



KERNFORSCHUNGSANLAGE JÜLICH
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Institut für Reaktorexperimente

Gammaenergien

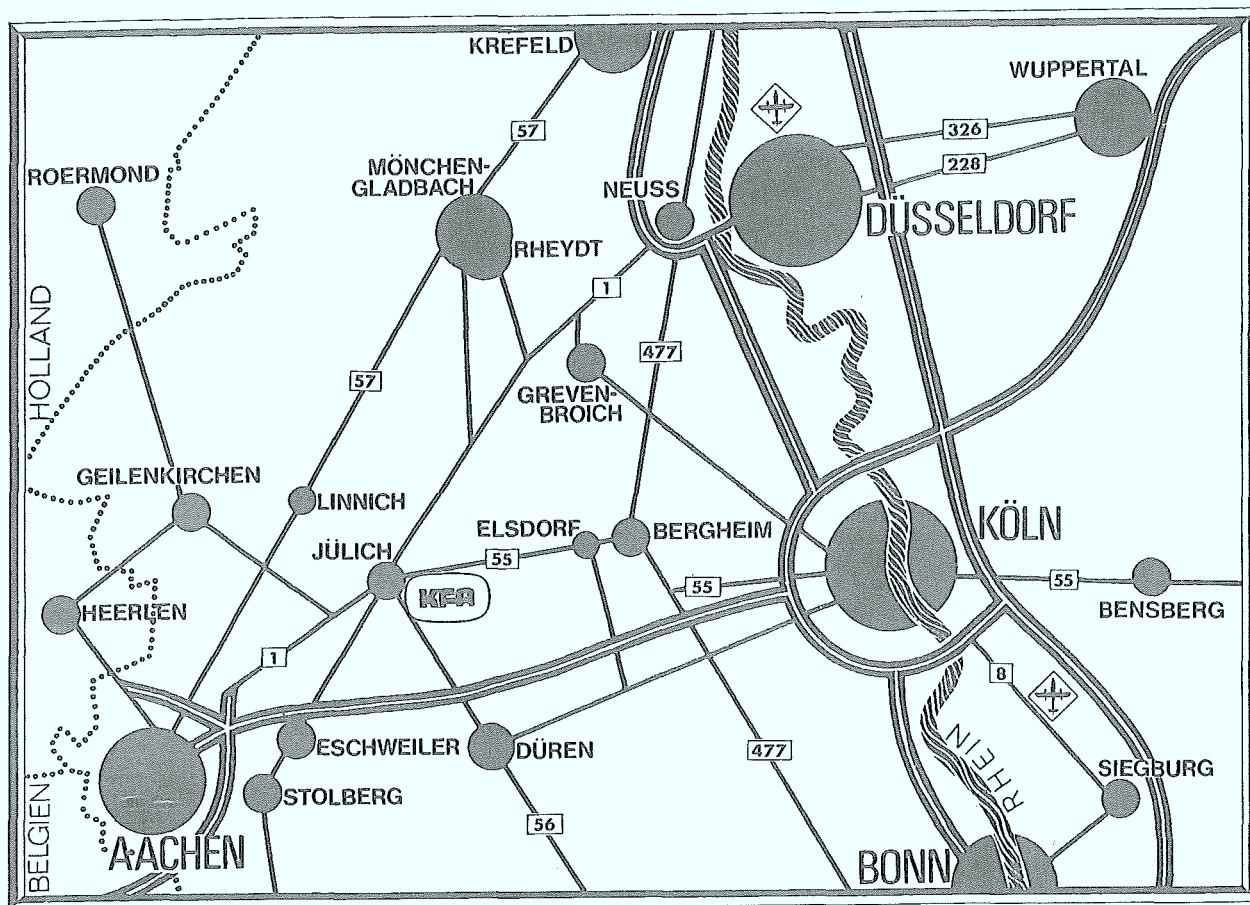
2. Auflage

Teil I

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2. Auflage

Teil I

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Zusammenfassung

Die Tabellen enthalten die Gammaenergien nahezu aller Radionuklide, die im Reaktor oder mit Neutronengeneratoren erzeugt werden können; d.h. alle neutronenreichen Nuklide sowie die Nuklide, die durch $(n,2n)$ -Reaktionen erzeugt werden können. Außerdem sind von den protonenreichen Nukliden diejenigen vollständig aufgenommen worden, die in der Medizin und der Aktivierungsanalyse mit geladenen Teilchen eine Rolle spielen.

Von den Nukliden werden die Gammaenergien, deren Fehler, die Intensitäten, deren Fehler sowie die Halbwertszeit, die Zerfallsart und die Erzeugungsreaktionen angegeben. In einer gesonderten Tabelle wird für Nuklide, die durch Reaktionen mit Neutronen erzeugt werden, die jeweilige Sättigungsaktivität angegeben.

In der ersten Tabelle sind die Nuklide nach aufsteigender Ordnungszahl geordnet, in der zweiten Tabelle sind die natürlichen Radionuklide und die durch Reaktionen mit geladenen Teilchen erzeugten Nuklide nach ihren Energien geordnet. In der dritten Tabelle sind die durch Neutronen erzeugten Nuklide nach den Energien geordnet und in der vierten Tabelle sind die Sättigungsaktivitäten angegeben.

Einleitung zur 1. Auflage

Die große Zahl an Messungen von Gammaenergien mit hoher Genauigkeit ließ es als sinnvoll und erfolgversprechend erscheinen, eine Zusammenstellung von Energien durchzuführen, die die Genauigkeitsanforderungen von Messungen mit Germaniumzählern voll erfüllen.

Auf Anregung des Autors bildete sich daher in der Kernforschungsanlage Jülich ein kleiner Arbeitskreis, der zunächst ohne Systematik die bei der Zeitschriftenlektüre gefundenen Meßwerte zusammentrug. Da in diesem Kreis hauptsächlich auf dem Gebiet der Aktivierungsanalyse mit Neutronen gearbeitet wird, liegt auch das Schwergewicht auf den Gammaenergien der neutronenreichen Nuklide. Protonenreiche Nuklide wurden nur insoweit aufgenommen, als sie durch Reaktionen mit Neutronen erzeugt werden können oder die Gammaenergien zufällig beim Studium der Zeitschriften gefunden wurden.

Anhand der RECENT REFERENCES der NUCLEAR DATA SHEETS wurde dann nach weiterer Literatur gesucht, um möglichst alle neutronenreichen, gammaemittierenden Nuklide zu erfassen. Dabei wurden allerdings auch weniger genaue Messungen mit Szintillationszählern aufgenommen, damit auch die kurzlebigen Spaltprodukte in den Tabellen enthalten sind. Es wurde allerdings kein Wert auf Vollständigkeit der erfaßten Literatur gelegt; die Literatursuche wurde beendet, sobald mehrere konsistente Messungen vorlagen. Die für jedes Nuklid verwendete Literatur ist im Literaturverzeichnis angegeben. In jedem Fall wurde für Angabe der Linienintensität die TABLES OF ISOTOPES zum Vergleich herangezogen, sie sind aber im Literaturverzeichnis nur angegeben, wenn auch Gammaenergien übernommen wurden.

Da erfahrungsgemäß die Identifizierung schwacher Linien in einem Spektrum am längsten dauert, weil man oft nicht weiß, ob es sich um eine schwache Linie eines bereits identifizierten Nuklides handelt, oder um eine starke Linie eines noch unbekannten Nuklides, das in niedriger Konzentration vorhanden

ist, wurde Wert auf die Vollständigkeit der Gammaenergien für jedes Nuklid gelegt. Deshalb wurden teilweise auch solche Energien aufgenommen, die in den Originalarbeiten ohne Intensität angegeben wurden oder nicht in das Zerfallsschema eingeordnet werden konnten. Wegen der großen Zahl an Energien, die in den Tabellen enthalten sind (etwa 10 000), läßt es sich nicht ausschließen, daß trotz sorgfältigster Kontrolle Fehler unterlaufen sind. Entsprechende Hinweise werden daher dankbar angenommen.

Zusätzlich zu den Gammaenergien wurden noch einige weitere Daten in die Tabellen aufgenommen, die die Identifizierung unbekannter Spektren erleichtern, wie z.B. Halbwertszeit, Erzeugungsart und Sättigungsaktivität.

Allen Mitarbeitern des Arbeitskreises sei für ihre Bemühungen und Hilfe beim Zusammentragen der Daten gedankt. Mein ganz besonderer Dank gebührt aber Frau Jungen und Fräulein Hick, die durch sorgfältige Rechnungen, Datenvergleiche und dem Beschriften der Zeichnungen einen maßgeblichen Anteil am Gelingen der Arbeit haben.

Einleitung zur 2. Auflage

Für die zweite Auflage wurde das Konzept der ersten Auflage der Gammatabellen im wesentlichen beibehalten.

Die Zahl der darin enthaltenen Nuklide konnte von 500 auf etwa 700 erhöht werden und enthalten jetzt mehr als 15000 Gammaenergien. Die Darstellung der Tabellen, in denen die Nuklide nach den Energien geordnet sind, wurde umgestaltet, so daß sie für die Analyse unbekannter Spektren etwas übersichtlicher sind. Außerdem wurden die Nuklide anders zusammengefaßt und Tabelle 3 enthält nun alle Nuklide, die durch Neutronen erzeugt werden können. Tabelle 2 ist zusätzlich hinzugekommen und enthält im wesentlichen die natürlichen radioaktiven Nuklide und die durch geladene Teilchen erzeugbaren Nuklide. Die Tabelle 4 der ersten Auflage (Nuklide geordnet nach den Halbwertszeiten) wurde aus Platzgründen nicht mehr mit aufgenommen.

Auswertung der Originaldaten

I) Zusammenfassung der Daten

Die Gammaenergietafeln sollen nicht lediglich eine Zusammenstellung verschiedener Messungen sein, sondern es war das Ziel, dem Benutzer einen "besten Wert zu empfehlen". Daher mußten die Messungen verschiedener Autoren zusammengefaßt und ein sinnvoller Mittelwert angegeben werden. Bei der Mittelung wurden die reziproken Fehlerquadrate als Gewichtungsfaktoren benutzt. Dabei wurde angenommen, daß die angegebenen Fehler der Energien bzw. Intensitäten dem 1σ -Wert entsprechen. Der Mittelwert der Messungen x_i , $i=1, \dots, n$ mit den zugehörigen Fehlern Δx_i , $i=1, \dots, n$ ist gegeben durch

$$\bar{x} = \frac{\sum_i \frac{x_i}{(\Delta x_i)^2}}{\sum_i \frac{1}{(\Delta x_i)^2}}$$

Als Fehler dieses Mittelwertes kann man zwei Ausdrücke definieren

$$(\Delta x_1)^2 = \frac{1}{\sum_i \frac{1}{(\Delta x_i)^2}}$$

$$(\Delta x_2)^2 = \frac{\sum_i \frac{(\bar{x} - x_i)^2}{(\Delta x_i)^2}}{\sum_i \frac{1}{(\Delta x_i)^2}}$$

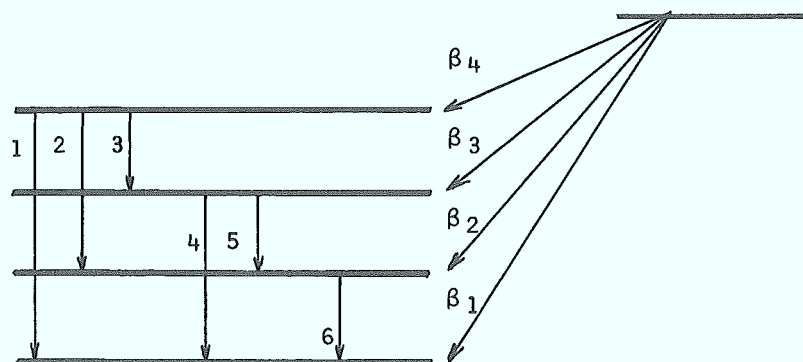
die man als interne bzw. externe Varianz bezeichnet. Bei rein zufälliger Verteilung der Messungen und rein statistischen Fehlern sind die beiden Varianzen gleich, sind die Messungen nicht unabhängig voneinander oder enthalten die Fehler auch

systematische Fehler, so kann die externe Varianz größer oder kleiner als die interne Varianz sein. In jedem Fall wurde in den Tabellen der größere der beiden Fehler angegeben.

Als Fehler der Energien wurden grundsätzlich die Angaben der Autoren verwendet und keine zusätzliche Wichtung vorgenommen. Die Fehler der Intensitäten sind in den Veröffentlichungen zum Teil nur lückenhaft angegeben und mußten mitunter geschätzt werden. Teilweise konnte aus dem angegebenen Zerfallsschema und den relativen Linienintensitäten die absolute Intensität berechnet werden; der sich dabei ergebende Fehler des Normierungsfaktors wurde quadratisch zu den Fehlern der Linienintensitäten addiert. Manche Autoren geben bei relativen Intensitäten auch für die Normierungslinie einen Fehler der Intensität an; dieser Fehler wurde dann grundsätzlich quadratisch zu den Fehlern der anderen Linien addiert und die Normierungslinie ohne Fehler belassen.

II) Berechnung der absoluten Intensitäten

Um aus den gemessenen Peakflächen die Aktivität des Strahlers berechnen zu können, ist die Kenntnis der absoluten Quantenausbeute der einzelnen Linien notwendig. In den meisten Fällen werden in den Veröffentlichungen nicht diese Größen angegeben, dagegen werden häufig angegeben: relative Intensitäten, Verzweigungsverhältnisse, relative Intensitäten von Konversionselektronen, Konversionskoeffizienten oder Intensitäten der β -Übergänge. Ist eine gewisse minimale Information gegeben, so lassen sich dann die Normierungsfaktoren für die Umrechnung von relativen γ -Intensitäten auf absolute Intensitäten berechnen. Im Folgenden werden hierfür einige Beispiele angegeben.



Beispiel 1

- Bekannt: 1. Intensität der β -Übergänge
 2. relative Intensität der γ -Übergänge
 3. Energien $E_1, E_2, E_3, E_4, E_5 > 700 \text{ keV}$,
 sodaß Konversionskoeffizienten vernachlässigt werden können, $E_6 < 700 \text{ keV}$,
 Konversionskoeffizient unbekannt.

Man kann nun Bilanzgleichungen aufstellen, die das Auffüllen und Leeren der verschiedenen Niveaus beschreiben. Im Folgenden stehen auf der linken Seite der Gleichungen jeweils die Terme, die das Auffüllen beschreiben und auf der rechten Seite die Ausdrücke, die das Leeren beschreiben.

$$I_{\beta_4} = N_{\gamma} (I_{\gamma_1} + I_{\gamma_2} + I_{\gamma_3}) \quad (1.1)$$

$$I_{\beta_3} + N_{\gamma} I_{\gamma_3} = N_{\gamma} (I_{\gamma_4} + I_{\gamma_5}) \quad (1.2)$$

Der Normierungsfaktor ergibt sich daraus als arithmetisches Mittel aus den Lösungen von Gleichung (1.1) und (1.2).

Beispiel 2

- Bekannt: 1. Intensität der β -Übergänge
 2. relative Intensität der γ -Übergänge
 3. relative Intensität der Konversions-
 elektronen.

Der Normierungsfaktor wird wiederum durch Lösen der Bilanzgleichungen gefunden.

$$I_{\beta_4} = N_{\gamma} (I_{\gamma_1} + I_{\gamma_2} + I_{\gamma_2}) + N_e (I_{e_1} + I_{e_2} + I_{e_3}) \quad (2.1)$$

$$I_{\beta_3} + N_{\gamma} I_{\gamma_3} + N_e I_{e_3} = N_{\gamma} (I_{\gamma_4} + I_{\gamma_5}) + N_e (I_{e_4} + I_{e_5}) \quad (2.2)$$

$$I_{\beta_2} + N_{\gamma} (I_{\gamma_2} + I_{\gamma_5}) + N_e (I_{e_2} + I_{e_5}) = N_{\gamma} I_{\gamma_6} + N_e I_{e_6} \quad (2.3)$$

$$I_1 + N (I_1 + I_4 + I_6) + N_e (I_{e_1} + I_{e_4} + I_{e_6}) = 100 \quad (2.4)$$

Man erhält also ein Gleichungssystem der Form

$$\begin{aligned} a_{11} x_1 + a_{12} x_2 &= b_1 \\ a_{21} x_1 + a_{22} x_2 &= b_2 \\ a_{31} x_1 + a_{32} x_2 &= b_3 \\ a_{41} x_1 + a_{42} x_2 &= b_4 \end{aligned}$$

Dieses Gleichungssystem wird nach den Regeln der Ausgleichsrechnung gelöst. Aus der Koeffizientenmatrix A bildet man die Normalmatrix $N = A'A$ mit der zugehörigen linken Seite $n = A'b$ und man erhält das Gleichungssystem

$$N x = n$$

Löst man das Gleichungssystem durch Matrixinversion, so kann man gleichzeitig den Fehler der Variablen, in diesem Fall der Normierungsfaktoren bestimmen.

Beispiel 3

- Bekannt: 1. Intensitäten der β -Übergänge
 2. relative Intensitäten der Gammaübergänge
 3. Konversionskoeffizienten

$$I_{\beta_4} = N_Y (I_{\gamma_1} (1+\alpha_1) + I_{\gamma_2} (1+\alpha_2) + I_{\gamma_3} (1+\alpha_3)) \quad (3.1)$$

$$I_{\beta_3} + N_Y I_{\gamma_3} (1+\alpha_3) = N_Y (I_{\gamma_4} (1+\alpha_4) + I_{\gamma_5} (1+\alpha_5)) \quad (3.2)$$

$$I_{\beta_2} + N_Y (I_{\gamma_2} (1+\alpha_2) + I_{\gamma_5} (1+\alpha_5)) = N_Y I_{\gamma_6} (1+\alpha_6) \quad (3.3)$$

$$I_{\beta_1} + N_Y (I_{\gamma_1} (1+\alpha_1) + I_{\gamma_4} (1+\alpha_4) + I_{\gamma_6} (1+\alpha_6)) = 100 \quad (3.4)$$

Das Gleichungssystem wird wie bei Beispiel 2 weiterbehandelt.

Beispiel 4

- Bekannt: 1. Relative Intensitäten der Gammaübergänge
 2. Kein Übergang in den Grundzustand
 d.h. $I_{\beta_1} = 0$
 3. Konversionskoeffizienten

Gleichung (3.4) in Beispiel 3 ist dann zu ersetzen durch

$$N_Y (I_{\gamma_1} (1+\alpha_1) + I_{\gamma_4} (1+\alpha_4) + I_{\gamma_6} (1+\alpha_6)) = 100 \quad (4.4)$$

Die vier genannten Beispiele können natürlich analog erweitert werden für Zerfallsschemata, die mehr Niveaus haben. Außerdem

können sowohl Konversionskoeffizienten und relative Konversions-elektronen-Intensitäten angegeben sein. In diesem Fall wird Beispiel 2 und 3 zu einem Gleichungssystem zusammengefaßt. Häufig fallen auch einige der in der Abbildung gezeichneten Übergänge aus, so daß das Gleichungssystem in jedem Einzelfall entsprechend zu modifizieren ist.

Berechnung der Sättigungsaktivitäten

Da bei der Bestrahlung der Proben im Reaktor die Aktivierung im wesentlichen durch thermische Neutronen erfolgt, wurde die Sättigungsaktivität der entstandenen Nuklide als Hilfe zur Identifizierung und Auswertung unbekannter Spektren zusätzlich zu den Gammaenergien in die Tabellen 1 und 3 aufgenommen. Die Sättigungsaktivitäten wurden auch für solche Nuklide angegeben, die selbst stark abgebrannt werden, wie z.B. ^{135}Xe , ^{182}Ta oder ^{198}Au , da dieser Wert zur Abschätzung der Aktivität bei kurzen Bestrahlungszeiten trotz allem nützlich ist. Bei den Nukliden ^{136}Xe , ^{183}Ta oder ^{199}Au wird dagegen lediglich angegeben, daß sie durch Neutroneneinfang erzeugt werden. Zusätzlich wird in Tabelle 4 die Sättigungsaktivität für die Erzeugung durch Neutronen aus anderen Energiebereichen angegeben. Zur Berechnung der Sättigungsaktivitäten durch thermische Neutronen wurden die Wirkungsquerschnitte, Häufigkeiten und Atomgewichte aus /1/ verwendet. Die Resonanzintegrale zur Berechnung der epithermischen Aktivierung wurden aus den in /2/ angegebenen Verhältnissen I_{res}/σ_0 und den thermischen Aktivierungsquerschnitten aus /1/ berechnet. Die Wirkungsquerschnitte für schnelle Neutronen entstammen /3/ und /4/. In der Tabelle ist jeweils die Sättigungsaktivität des entstandenen Nuklides angegeben, das Ausgangsnuklid läßt sich aus der betreffenden Reaktion ableiten. Für den Neutronenfluß wurde jeweils ein Zahlenwert von 10^{13} zugrunde gelegt. Für thermische Neutronen bezieht sich der Neutronenfluß auf Neutronen der Geschwindigkeit 2200 m sec^{-1} (konventioneller Neutronenfluß), bei epithermischen Neutronen bezieht er sich auf ein Leithargieintervall und bei schnellen Neutronen werden die Neutronen mit Energien größer als 1 MeV erfaßt, wobei das Spaltspektrum als Energieverteilung angenommen wurde. Die Sättigungsaktivität ist gegeben durch

$$A = \frac{\sigma^* \phi h L}{M}$$

Setzt man für σ^* den entsprechenden Wirkungsquerschnitt in barn, die Häufigkeit h in Prozent, die Masse in g ein sowie $\Phi = 10^{13}$, $L = 6.022 \cdot 10^{22}$ und berücksichtigt, daß $3.7 \cdot 10^{10}$ Zerfälle gleich 1 Ci sind, so erhält man die Sättigungsaktivität in Ci g^{-1}

$$A = \frac{\sigma[\text{barn}] \cdot h[\%]}{M[g]} \cdot 1.6277$$

Bei Nukliden, die sowohl durch direkte Aktivierung als auch über den Umweg über einen metastabilen Zustand erzeugt werden, (z.B. ^{60}Co aus ^{59}Co) sind für die Berechnung der Masse aus der Aktivität beide Erzeugungsarten zu berücksichtigen.

- /1/ NUKLIDKARTE, 3. Ausgabe, Der Bundesminister für
wissenschaftliche Forschung, Bonn 1968
- /2/ R. van der Linden; F. de Corte; J. Hoste
Resonance Integrals Applied to the Multiple Comparison
Method in Reactor Neutron Activation Analysis
Symposium on Applications of Nuclear Data in Science
and Technology, Paris, March 12 - 16, 1973
- /3/ A.I. Aliev; V.I. Drynkin
Handbook of Nuclear Data for Neutron Activation Analysis
Israel Program for Scientific Translations
Jerusalem 1970
- /4/ W.L. Zijp
Nuclear Data for Neutron Metrology
RCN - 73 - 017 (1973)

Literaturverzeichnis

AC 228	NUC. INSTR. METH. 52 (1967) 349 C.R. ACAD. SCI. SER. B271 1970 165 J. PHYS. SOC. JAP. 29 (1970) 1377	AM 241	PHYS. REV. 97 (1955) 1687 BLG 425 (1967) NUC. PHYS. A125 (1969) 217 NIC. INSTR. METH. 70 (1969) 237-244 UCRL-50156 LIVERMORE NIC. INSTR. METH. 84 (1970) 90-92 IAEA VIENNA 17 DEZ. 1969 RECOMMUNICATION NUC. INSTR. METH. 77 (1970) 141-158
AG 102M	NUC. PHYS. A 178 (1971) 111		
AG 102	NUC. PHYS. A 178 (1971) 111		
AG 104M	NUC. PHYS. A 178 (1971) 97-110	AM 243	NUC. INSTR. METH. 99 (1972) 333
AG 104	NUC. PHYS. 178 (1971) 97-110	AM 244	IN-1218
AG 105	IDC 17222 J. RADIOANALYT. CHEM. 3 (1969) 99-125, 271-285 NUC. PHYS. A149 (1970) 523-544	AM 246M	PHYS. REV. C3 (1971) 1338
AG 106M	J. RADIOANALYT. CHEM. 3 (1969) 99-125, 271-285 PHYS. REV. 158 (1967) 1214 NIC. PHYS. A101 (1967) 641-653	AM 246	PHYS. REV. C3 (1971) 1338
AG 106	IDC 17222 J. RADIOANALYT. CHEM. 3 (1969) 99-125, 271-285 BULL. ACAD. SCI. USSR PHYS. SER. 35 (1971) 728	AR 41	NUC. INSTR. METH. 66 (1968) 70-76 UCRL-50156 LIVERMORE RADIOCHIM. ACTA 10 (1968) 1-11 EANDC- (E) 115 "U" 1968
AG 107M	RADIOCHIM. ACTA 10 (1968) 1-11	AS 68	NUC. PHYS. A 174 (1971) 617 J. INORG. NUC. CHEM. 34 (1972) 407
AG 108M	PHYS. REV. 143 (1966) 918-922 CZECH. J. PHYS. B 18 (1968) 143 RADIOCHIM. ACTA 13 (1970) 132	AS 70	TID-4500/IN-1130 NUC. PHYS. A116 (1968) 473-480
AG 108	RADIOCHIM. ACTA 10 (1968) 1-11 J. NUCL. SCI. (SEUL) 7,1 (1967) 82-85 NUC. PHYS. A 164 (1971) 545 ANN. REP. RES. REAKTOR INST. KYOTO UNIV. 4 (1971) 84 Z. PHYSIK 243 (1971) 395	AS 71	TID-4500/IN-1130 PHYS. REV. C6 (1972) 164
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AG 113M	NUC. PHYS. A130 (1969) 497-512 J. PHYS. SOC. JAP. 29 (1970) 1116	AS 78	NUC. PHYS. A142 (1970) 204-216 NUC. PHYS. A 140 (1970) 529-547 NUC. PHYS. A 168 (1971) 561-574 RADIOCHIM. ACTA 8 17 (1972) 55
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AG 114	CERN 70/30 (1970) UCRL-18978 (1969) NIC. PHYS. A 184 (1972) 166-174 PHYS. LETT. B 36 (1971) 334	AS 80	NUC. PHYS. A 174 (1971) 593
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PHYS, REV, 177 (1969) 1640

ZN 63 IDO 17222
J,RADIOANALYT,CHEM, 3(1969)99-125,271-285
NUC, PHYS, A103 (1967)203-206
Z, PHYSIK 223(1969)473-486
NUC, PHYS, A91(1967)439
Z, PHYSIK 233 (1970) 146-153
EANDC- (E) 115 "UM" 1968
ANNU, REP, RADIAT, CENT, OSAKA PERFECT 11 (1970) 83

ZN 65 RADIOCHIM, ACTA 10(1968) 1-11
NUC, PHYS, A125(1969)1217
BLG 425(1967)
TID-4500/IN-1130
NUC, PHYS, A90 (1967) 650-656
NUC, DATA TABLES SEC, A VOL, 8 NR, 1-2 (1970)
NUC, INSTR, METH, 96(1971)173-196
Z, PHYSIK 250 (1972) 395-412

ZN 69M RADIOCHIM, ACTA 10(1968) 1-11
PHYS, REV, C1(1970)1744
MIT-9C5-108(1967)

ZN 69 PHYS, REV, C1(1970)1744
MIT-9C5-103(1967)

ZN 71M NUC, PHYS, A148 (1970) 548-560
MIT-9C5-108(1967)
NUC, PHYS, A 142 (1970) 177

ZN 71 RADIOCHIM, ACTA 10(1968) 1-11
MIT-905-108(1967)

ZN 72 MIT-9C5-108(1967)
J, INORG, NUCL, CHEM, 33 (1971)589
BULL, ACAD, SCI USSR PHYS, SER, 35(1972) 52

ZR 87 BULL, ACAD, SCI USSR PHYS, SER, 35(1972) 52

ZR 89M J,RADIOANALYT,CHEM, 3(1969)99-125,271-285
NUC, PHYS, A123(1969) 471-476
RADIOCHIM, ACTA 10(1968) 1-11
BULL, ACAD, SCI USSR PHYS, SER, 35(1972) 52

ZR 89 IDO 17222
J,RADIOANALYT,CHEM, 3(1969)99-125,271-285
TID-4500/IN-1130
NUC, PHYS, A123(1969) 471-476
BULL, ACAD, SCI USSR PHYS, SER, 35(1972) 52

ZR 95 RADIOCHEMICAL MANUAL, AMERSHAM, 2, ED, 1966
J,RADIOANALYT,CHEM, 3(1969)99-125,271-285
RADIOCHIM, ACTA 10(1968) 1-11
NUC, PHYS, A107(1968) 177
ARKIV FYSIK 34(1966)259
Z, NATURFORSCHUNG 26 A (1971) 596-597
NUC, DATA TABLES SEC, A VOL, 8 NR, 1-2 (1970)
PHYS, REV, 187 (1969) 1487

ZR 97 NUC, PHYS, A140(1970)659-672
J,RADIOANALYT,CHEM, 3(1969)99-125,271-285
RADIOCHIM, ACTA 10(1968) 1-11
CAN, J, PHYSICS 43(1970)1378
NUC, PHYS, A 109 (1968) 369-379

ZR 99 VORTAG: "ALLGEMEINE RADIOCHEMIE" KARLSRUHE 4.-6, MAI 1970
EANDC-(E)-115(11)

ZR 101 NUC, PHYS, A141(1970)299-324

Tabelle 1:

Nuklide geordnet nach Ordnungszahlen

Einteilung der Tabelle 1

ZR 95	9. $\overline{234.7}$ 10. $\overline{0.1}$ 11. $\overline{0.1900}$ 13. $\overline{}$	724.23 0.03	756.76 0.05	5. $\overline{(A)Y 95}$ 12. $\overline{}$	==>	ZR 95	1. $\overline{E-}$ 2. $\overline{(N,G), (N,F)}$ 7. $\overline{63.980}$	3. $\overline{NB 95}$	4. $\overline{6}$	6. $\overline{2.33E-02}$	8. $\overline{6.41E+0}$
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1. Zerfallsart

Bei mehreren Zerfallsmöglichkeiten wird die wichtigste Zerfallsart angegeben. Die Angaben wurden entweder den TABLES of ISOTOPES, 6th ED. 1967 oder den Originalarbeiten entnommen.

2. Halbwertszeit

Die Werte wurden entweder den Originalarbeiten entnommen oder sie entstammen der NUKLIDKARTE, 3. Auflage, 1968. Bei Halbwertszeiten über 999 Jahre mußte von der normalen Zahlendarstellung abgegangen werden. Ist eine Halbwertszeit z.B. 1600 Jahre = $160 \cdot 10^1$, so erscheint diese Zahl folgendermaßen in der Tabelle

160.01 E

3. Folgeprodukt des Zerfalls

4. Radioaktive Folgeprodukte sind durch ein Sternchen gekennzeichnet.

5. Ist das betreffende Nuklid selbst ein Zerfallsprodukt, so wird der Vorgänger angegeben, wenn er durch Reaktionen mit Neutronen erzeugt werden kann. Diese Angabe bedeutet aber nicht, daß der Vorgänger auch in der Tabelle enthalten ist; entsprechendes gilt auch für die radioaktiven Folgeprodukte.

6. Kann das Nuklid durch Einfang thermischer Neutronen erzeugt

werden, so ist die Sättigungsaktivität (in Ci g^{-1}) für einen Neutronenfluß von $10^{13} \text{cm}^{-2} \text{sec}^{-1}$ angegeben.

7. Erzeugungsart

Die Angaben wurden im wesentlichen den TABLES OF ISOTOPES entnommen. Aus programmtechnischen Gründen konnten nur 15 Reaktionen berücksichtigt werden; es sind dies:

(n, γ) , (n, α) , (n, p) , (n, n') , $(n, 2n)$, $(n, \text{fission})$, (n, pn) ,
 (d, n) , (α, n) , (p, n) , (d, α) , $(d, 2n)$, (α, p) , (t, p) , (p, pn)

8. Spaltproduktausbeute

Es wird die Spaltproduktausbeute für die thermische Spaltung von ^{235}U der gesamten Zerfallskette angegeben (chain yield). Die Werte entstammen dem Report GEAP-5356.

9. Gammaenergie

Die Energien sind in keV angegeben. Es wurden nur die gesicherten Stellen hinter dem Komma angegeben; eine Null als letzte Ziffer ist also eine signifikante Ziffer. Aus programmtechnischen Gründen mußte die Zahl der Energien pro Nuklid auf 99 begrenzt werden.

10. Fehler der Energie

Die Fehler sind in keV angegeben und sind als 1σ zu verstehen. Die Fehler werden nur angegeben, wenn sie kleiner als 10 keV sind.

11. Intensität

Die Intensität wird entweder absolut oder relativ angegeben (siehe 12.). Die relative Intensität gibt lediglich die Intensität der Linien untereinander an; die Intensität der stärksten Linie wurde im allgemeinen auf 100 normiert. Unter absoluter Intensität wird die Zahl der emittierten Gammaquanten pro 100 Zerfälle verstanden; Konversionskoeffizienten sind also schon berücksichtigt. Ist die absolute oder relative Intensität unbekannt, so werden Sternchen ausgedruckt.

12. Angabe, ob die Intensität absolut (A) oder relativ (R) angegeben ist.

13. Fehler der Intensität

Wenn möglich, wurde der Fehler der Intensität in Prozent angegeben. Er wird nicht angegeben, wenn er größer als 10 % oder kleiner als 0.1 % ist.

Layout of table I

ZR 99	9. 10. (234.7) (0.1) (0.1900) 11. 13.	724.23 0.03	756.76 0.05	5. (A) Y 99 12.	==>	ZR 95	1. (E=) (63.980) (N,G), (N,F) 7.	3. (NB 95)	4. (*)	6. (2.33E-02)	8. (6.41E+0)
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1. Mode of decay

If there exist various modes of decay the most important mode of decay is given. The information was taken either from the TABLES OF ISOTOPES, 6th ED. 1967 or from the original publications.

2. Half-life

The values were taken either from the original publications or from the NUKLIDKARTE, 3. Auflage, 1968. For half-life exceeding 999 years the way of presenting these numbers had to be changed, e.g. a half-life of 1600 years = $160 \cdot 10^1$ is presented in the table as

160.01 E

3. Decay products

4. Radioactive decay products are marked by an asterisk.

5. If the nuclide under consideration is a decay product itself, the precessor is given in the case the latter can be produced by neutrons. This does not imply that the energies of the precessor are included in the table; the same is true for the radioactive decay products.

6. If the nuclide can be produced by thermal neutron capture, the saturated activity in Ci g^{-1} for a neutron flux of $10^{13} \text{ cm}^{-2} \text{ sec}^{-1}$ is given.

7. Mode of production

These data were taken mainly from the TABLES OF ISOTOPES. For reasons of programming technique, only the following 15 types of reactions are included:

(n, γ), (n, α), (n,p) (n,n'), (n,2n), (n, fission), (n,pn),
(d,n), (α ,n), (p,n) (d, α), (d,2n), (α ,p), (t,p) (p,pn)

8. Fission product yield

The fission product yield for the thermal neutron induced fission of ^{235}U of the entire chain is given (chain yield). The data were taken from the report GEAP-5356.

9. Gamma ray energy

Energies are in keV. Digits behind the point are only given if they are meaningful, e.g. a null as the last digit is a significant. For reasons of programming technique the list of energies per nuclide is limited to 99.

10. Error of energy

The errors are given in keV and are to be considered as standard deviation.

11. Intensity

Intensities are given either in absolute or relative values (cf. 12). Relative intensity is only a measure of the line intensities compared to each other, the intensity of the strongest line is normalized to 100. A measure for the absolute intensity is the number of emitted gamma quanta per 100 decays; i.e. conversion coefficients have been taken into account. If absolute or relative intensities are unknown, asterisks are printed.

12. Indication whether the intensity is given absolute (A) or relative (R).

13. Error of intensity

Where possible the error of intensity is given in percent.

It is not given at all, if it is greater than 10 % or less than 0.1 %.

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
BE 7	477.55 0.01 (10.0000)			(A)	BE 7 EC =====> LI 7 53. 0 (D,N),		
BE 11	1772.2 0.7 (C.2800) 4666.3 1.8 (2.0000) 6790.5 1.8 (4.5100)	2124.8 0.7 (33.0000) 5019.3 1.7 (0.4700) 7974.7 1.0 (1.7400)	2893.1 0.8 (C.0930) 5851.8 1.9 (2.1300)	(A)	BE 11 E- =====> B 11 13.81S (N,P),		
C 11	511.006 0.002 (200.0000)			(A)	C 11 E+ =====> B 11 20.3 M (P,N), (D,N),		
N 13	511.006 0.002 (200.0000)			(A)	N 13 E+ =====> C 13 9.96M (A,N), (D,N), (P,N),		
N 16	1720. (0.1040) 6134. (69.0000)	1900. (0.0350) 7112. (5.0000)	2750. (0.9000)	(A)	N 16 E- =====> O 16 7.13S (N,G), (N,P), (N,A),	8.51E-07	
C 15	511.006 0.002 (200.0000)			(A)	O 15 E+ =====> N 15 2.03M (D,N), (A,N),		
O 19	197.4 0.2 (97.0000)	1356. (59.0000)		(A)	O 19 E- =====> F 19 26.76S (N,G), (N,P),	4.36E-06	
F 18	511.006 0.002 (194.0000)			(A)	F 18 E+ =====> O 18 109.8 M (P,N), (N,2N), (D,A),		
F 20	1633.1 0.2 (100.0000)			(A)	F 20 E- =====> NE 20 11.03S (N,G), (N,A),	8.40E-02	
F 21	350.5 (*****) 2436.7 (*****)	1395.1 (*****) 2790.2 (*****)	1745.6 (*****)	(R)	F 21 E- =====> NE 21 4.4 S (A,P), (T,P),		
NE 23	440. (33.0000) 2545. (0.0270)	1639. (0.9000) 2995. (0.0330)	2079. (0.1000)	(A)	NE 23 E- =====> NA 23 38.2 S (N,G), (N,P),	2.84E-02	
NA 22	511.006 0.002 (181.0000)	1274.52 0.02 (100.0000)		(A)	NA 22 E+ =====> NE 22 2.60A (N,2N), (A,N), (D,A),		
NA 24	1360.53 0.04 (100.0000)	2754.01 0.05 (100.0000)	3861. 5. (0.0800)	(A)	NA 24 E- =====> MG 24 15.00H (N,G), (N,A), (N,P),	9.20E-01	
NA 25	389.7 0.2 (13.0000 3.9) 974.8 0.1 (15.0000) 1411.7 0.2 (9.5000 6.3) 2215.6 0.5 (0.1000)	565.1 0.2 (13.0000 4.0) 990.1 0.5 (0.1500) 1763. 4. (0.0150) 2800.8 C.7 (0.0570)	836.1 1.2 (0.1100) 1279.7 C.5 (0.2600) 1964.8 C.6 (C.1600)	(A)	NA 25 E- =====> MG 25 59.6 S (N,P),		

NUCLIDE	ENERGY (KEV)	INTENSITY	ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
MG 23	440. (9.0000)	511.006 0.002 (200.0000)	(A)	MG 23 $\xrightarrow{E+}$ NA 23 =====> 12. S (P,N),		
MG 27	170.8 0.1 (0.3500)	843.7 0.1 (72.0000)	1014.5 0.1 (30.0000)	(A)	MG 27 $\xrightarrow{E-}$ AL 27 =====> 9.46M (N,G), (N,P),	2.54E-02
MG 28	30.642 0.002 (95.0000 3.2)	395.8 1.0 (31.0000 6.5)	941.5 1.0 (28.0000 3.6)	(A)	MG 28 $\xrightarrow{E-}$ AL 28 * =====> 21.1 H	
	1342. 2. (69.0000 2.9)					
AL 26	511.006 0.002 (160.0000 2.0)	1130. (2.5000 8.0)	1809. (99.8000)	(A)	AL 26 $\xrightarrow{E+}$ MG 26 =====> 6.4 S (P,N), (D,N), (D,A),	
	2938. (0.2400)					
AL 28	1778.99 0.06 (100.0000)			(A)	AL 28 $\xrightarrow{E-}$ SI 28 =====> 134.43S (N,G), (N,A),	1.42E+00
AL 29	397.9 (0.0250)	754.5 (0.2200)	1041.2 (0.0054)	(A)	AL 29 $\xrightarrow{E-}$ SI 29 =====> 6.6 H (A,P),	
	1152.4 (0.8200)	1273.5 (91.0000)	1795.7 (0.0220)			
	2027.8 (3.4000)	2425.7 (5.5000)				
AL 30	2230. (61.0000)	3510. (39.0000)		(A)	AL 30 $\xrightarrow{E-}$ SI 30 =====> 3.3 S (N,P),	
SI 31	1266.2 0.2 (0.0700)			(A)	SI 31 $\xrightarrow{E-}$ P 31 =====> 2.62H (N,G), (N,P), (N,A),	2.15E-02
SI 33	416.3 (8.7000)	591.3 (0.4300)	1107.6 (0.8700)	(R)	SI 33 $\xrightarrow{E-}$ P 33 * =====> 6.3 S	
	1431.4 (15.0000)	1847.7 (100.0000)	2535.0 (9.6000)			
P 34	2128.0 (25.0000)	4000.0 (0.1800)		(A)	P 34 $\xrightarrow{E-}$ S 34 =====> 12.4 S (N,A), (N,P),	
S 37	3102.5 0.3 (90.0000)	3706. 2. (1.1000)		(A)	S 37 $\xrightarrow{E-}$ CL 37 =====> 5.05M (N,G),	9.95E-05
CL 34M	146.5 0.2 (45.0000)	511.006 0.002 (100.0000)	1177.5 0.2 (12.0000)	(A)	CL 34M $\xrightarrow{IT}$ CL 34 * =====> 32. H (A,N),	
	2128.5 0.2 (38.0000)	3305. (12.0000)				
CL 34	511.006 0.002 (200.0000)			(A) CL 34M ==>	CL 34 $\xrightarrow{E+}$ S 34 =====> 1.6 S (A,N),	
CL 38	1642.4 0.2 (32.8000)	2167.5 0.1 (44.0000)	3803. 2. (0.2500)	(A)	CL 38 $\xrightarrow{E-}$ AR 38 =====> 37.2 H (N,G),	4.83E-01

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
CL 39	250.3 0.1 (47.0000 3.5)	841.4 1.3 (0.0520)	856.6 1.3 (0.0033)	(A)	CL 39 E- =====> AR 39 * 56.2 H		
	985.9 0.1 (2.2000 5.0)	1091.0 0.1 (2.6000 4.3)	1235.4 1.0 (0.1200)				
	1267.2 0.1 (54.0000)	1312.1 1.0 (0.2900)	1517.4 0.1 (38.0000 2.1)				
	1561.6 1.0 (0.3100)	2033.0 1.0 (0.1000)					
AR 41	1293.64 0.04 (99.0000)			(A)	AR 41 E- =====> K 41 2.48E+00 1.84H (N,G),		
K 38	511.006 0.002 (200.0000)	2167.6 0.7 (100.0000)		(A)	K 38 E+ =====> AR 38 7.61H (A,N), (D,A),		
K 40	1460.95 0.07 (10.7000)			(A)	K 40 E- =====> CA 40 126.7E		
K 42	312.4 0.5 (0.1800)	500. (0.0200)	900. (0.0400)	(A)	K 42 E- =====> CA 42 3.44E-01 12.36H (N,G),		
	1020. (0.0200)	1524.7 0.5 (17.9000 2.8)	1920. (0.0500)				
	2440. (0.0400)						
K 43	184. 2. (0.2000)	220.0 0.5 (5.8000)	372.9 0.3 (100.0000)	(R)	K 43 E- =====> CA 43 22.2 H (A,P),		
	397.0 0.4 (14.0000 9.6)	593.3 0.4 (13.0000 8.1)	617.3 0.3 (87.0000 9.7)				
	678.5 1.0 (0.0100)	800.8 1.0 (0.2000)	989.9 0.6 (1.0000)				
	1021.8 0.5 (2.7000)	1086.0 (0.0300)	1394.2 0.7 (0.1300)				
K 44	651.8 2.0 (4.0000)	727. 2. (6.0000)	1026.6 2.0 (10.0000)	(R)	K 44 E- =====> CA 44 22. H (N,P),		
	1127.2 0.6 (20.0000)	1157.0 0.3 (100.0000)	1499.6 0.9 (18.0000)				
	2151.0 0.8 (37.0000)	2518.8 0.6 (12.0000)	3397.0 1.0 (7.0000)				
	3661.4 1.0 (10.0000)	4862. 2. (1.0000)					
K 45	174.3 0.5 (100.0000)	1269.7 0.8 (8.7000)	1705.6 0.5 (87.0000)	(R)	K 45 E- =====> CA 45 * 16.3 H		
	2354.2 0.5 (17.0000)	2599.8 1.0 (4.4000)					
CA 47	489.2 0.1 (6.9000)	530.3 0.4 (0.1100)	767.1 0.4 (0.2000)	(A)	CA 47 E- =====> SC 47 * 3.35E-05 4.53D (N,G), (N,A),		
	807.9 0.1 (6.8000)	1297.1 0.1 (75.0000)	1878.0 0.5 (0.0290)				
CA 49	143.2 (0.0350)	856.1 (0.1300)	987.3 (0.0800)	(A)	CA 49 E- =====> SC 49 * 8.26E-03 8.72H (N,G),		
	1144.5 (0.1100)	1288.4 (0.0700)	1408.9 (0.6300)				
	2229.0 0.7 (0.3600)	2372.3 0.7 (0.5200)	3084.4 0.1 (90.9000)				
	4071.9 0.1 (7.9000)	4738.2 0.2 (0.3100)					
SC 44M	271.19 0.08 (86.0000)	1157.0 0.1 (2.7000)	1499.6 0.2 (*****)	(A)	SC 44M IT =====> SC 44 * 2.44D (A,N),		
	1667. (*****)						
SC 44	511.006 0.002 (188.0000)	1157.0 0.1 (94.0000)	1499.6 0.2 (0.8000)	(A)	SC 44 E+ =====> CA 44 3.9 H (A,N),		
	2656.6 0.6 (0.2000)						

NUCLIDE	ENERGY (KEV) INTENSITY		ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
SC 46M	142.528 0.003 (50.0000)		(A)	SC 46M IT =====> 18.67S (N,G),	SC 46 * 3.62E+01	
SC 46	889.26 0.02 (100.0000)	1120.51 0.02 (100.0000)	(A)	SC 46 E- =====> 84.2 D (N,G), (N,P),	TI 46 4.71E+01	
SC 47	159.4 0.1 (70.0000 4.3)		(A) CA 47 ==>	SC 47 E- =====> 3.4 D (N,P),	TI 47	
SC 48	159.5 0.2 (*****)	175.4 0.2 (6.0000)	983.5 0.2 (100.0000)	(A)	SC 48 E- =====> 1.84D (N,A), (N,P), (D,A), (P,N), (D,2N),	TI 48
	1037.5 0.2 (98.0000 2.0)	1212.6 0.3 (2.2000)	1312.1 0.2 (100.0000)			
SC 49	1622.6 (0.0100)	1761.9 (0.0500)	(A)	SC 49 E- =====> 57.5 H (D,N),	TI 49	
SC 50	524. 1.0 (91.0000)	1122. 1.0 (99.0000)	1554. 1.0 (100.0000)	(A)	SC 50 E- =====> 1.72M (N,P),	TI 50
TI 44	67.6 (91.0000)	78.2 (98.0000)	146.5 (*****)	(A)	TI 44 EC =====> 48. A (N,G),	SC 44 *
	1157.0 (*****)					
TI 45	364. 1. (0.0050)	425. 1. (0.0137)	432. 1. (0.0013)	(A)	TI 45 E+ =====> 3.08H (P,N), (D,2N),	SC 45
	511.006 0.002 (168.0000)	530. 1. (0.0010)	543. 1. (0.0008)			
	719.6 0.5 (0.1540)	961.6 0.5 (0.0029)	974.0 0.5 (0.0057)			
	1032.1 0.5 (0.0047)	1236.5 0.5 (0.0118)	1408.1 0.5 (0.0854)	1660.9 0.5 (0.0407)		
TI 51	320.0 0.2 (95.0000)	608.4 0.2 (1.3000)	928.5 0.2 (5.0000)	(A)	TI 51 E- =====> 5.8 H (N,G),	V 51 2.54E-02
V 48	290.1 0.4 (*****)	511.006 0.002 (102.0000)	928.4 0.3 (1.2000)	(A)	V 48 EC =====> 15.97D (A,N), (P,N), (D,2N), (D,A),	TI 48
	944.2 0.2 (8.9000)	983.4 0.2 (100.0000)	1218.1 0.2 (*****)			
	1311.9 0.2 (99.0000)	1437.6 0.4 (0.1200)	1729.1 0.2 (*****)			
	2240.1 0.2 (2.4000 8.8)	2375.6 1.8 (0.0100)	2421.7 1.8 (0.0050)			
V 52	398. 3.0 (0.0400)	935. 0.8 (0.0800)	1333.5 0.9 (0.7600)	(A)	V 52 E- =====> 3.75M (N,G),	CR 52 1.56E+01
	1434.15 0.05 (100.0000)	1530.1 0.8 (0.1600)				
V 53	247. 1. (0.1800)	282.7 0.3 (0.7600)	442.7 0.3 (0.3800)	(A)	V 53 E- =====> 1.63M (N,P),	CR 53
	531. 1. (0.1800)	563.6 0.3 (0.3800)	1005.8 0.3 (88.7000)			
	1288.9 0.3 (11.3000)					

NUCLIDE		ENERGY (KEV)		ABS/REL		DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
V 54	564.0 2.0	835.0 1.0	986.0 1.0	(R)		V 54 E- =====> CR 54 55. S		
	(3.9000)	(100.0000)	(81.8000 7.8)			(N,P),		
	1462.0 2.0	1784. 3.	1825.0 3.0					
	(6.9000)	(7.3000)	(4.9000)					
	1961.0 3.0	2255.0 3.0	2353.0 3.0					
	(4.8000)	(50.0000 8.)	(11.5000)					
	2820.0	3170.0 5.0						
	(*****)	(11.8000)						
CR 49	62.3 0.1	90.7 0.1	152.8 0.1	(A)		CR 49 E+ =====> V 49 * 41.7 M		
	(26.0000)	(26.0000)	(1.2000)			(A,N),		
	511.006 0.002							
	(188.0000)							
CR 51	320.083 0.007			(A)		CR 51 EC =====> V 51 2.15E+00 27.720		
	(9.9000)					(N,G), (N,A),		
CR 55	126.0 0.5	1402.0 0.4	1528.0 0.2	(A)		CR 55 E- =====> MN 55 2.83E-02 3.56M		
	(0.0020)	(0.0016)	(0.0430)			(N,G),		
	2240.9 0.8	2252.5 0.4	2268.1 0.6					
	(0.0005)	(0.0037)	(0.0001)					
	2364.5 0.6							
	(0.0002)							
MN 50	511.006 0.003	661.5 0.3	712. 1.	(A)		MN 50 E+ =====> CR 50 1.75M		
	(200.0000)	(25.6000 4.0)	(0.4720)			(P,N),		
	783.3 0.1	1098.0 0.2	1282.4 0.3					
	(94.3000 2.0)	(57.2000 3.5)	(31.1000 6.1)					
	1443.3 0.2	1793.5 0.6	1944.5 0.5					
	(65.1000 7.3)	(0.4720)	(3.6800)					
	1993.4 0.5	2016.9 0.6	2404.4 0.8			2811.5 0.6		
	(0.8490)	(0.5660)	(0.1510)			(0.1890)		
MN 52	3115. 1.							
	(0.9430)							
	345.8 0.1	398.5 0.6	502.8 0.8	(A)		MN 52 EC =====> CR 52 5.670		
	(0.9000)	(0.3300)	(0.9000)			(P,N), (D,2N),		
	511.006 0.002	600.6 1.0	647.0 1.0					
	(55.0000)	(0.4900)	(0.5100)					
	744.2 0.2	848.4 0.4	935.6 0.2					
	(85.0000)	(3.2000)	(84.0000)					
	1247.0 0.3	1332.8 0.4	1434.4 0.2			1645.0 1.3		
	(4.7000)	(5.1000)	(100.0000)			(0.0400)		
						1979. 2.		
						(0.0300)		
MN 54	834.83 0.02			(A)		MN 54 EC =====> CR 54 312.7 0		
	(100.0000)					(N,P), (N,2N), (D,N), (A,N), (P,N), (D,A),		
MN 56	846.74 0.02	1810.7 0.2	2112.8 0.2	(A)		MN 56 E- =====> FE 56 3.94E+01 2.58M		
	(98.8000)	(28.9000)	(15.8000)			(N,G), (N,A), (N,P),		
	2523.1 0.3	2657.7 0.4	2559.9 0.5					
	(1.1900)	(0.6600)	(0.3000)					
	3119.3 0.5	3370.0 0.5						
	(0.0800)	(0.2200)						
MN 57	122.061 0.007	136.472 0.004	230. 1.	(A)		MN 57 E- =====> FE 57 1.7 M		
	(9.5500 3.0)	(1.1000 3.1)	(0.0984 6.6)			(N,P), (A,P),		
	341. 1.	353. 1.	367. 1.					
	(0.0769 8.0)	(1.0400 4.8)	(0.1810 5.2)					
	569. 1.	692. 1.	706. 1.					
	(0.2010 5.2)	(2.7200 3.0)	(0.1410 3.1)					
	869. 1.	921. 1.	1263. 1.			1613. 1.		
	(0.0977 8.4)	(0.0225)	(0.1430 5.0)			(0.3310 4.4)		
MN 58	459.52 0.09	466.8 0.4	511.5 0.3	(A)		MN 58 E- =====> FE 58 65.3 S		
	(22.0000 3.8)	(1.1400)	(7.0800)			(N,P),		
	524.0 0.2	810.72 0.02	863.94 0.03					
	(5.6900)	(97.4000 1.4)	(15.4000 3.4)					
	920. 1.	925.6 0.2	1265.8 0.2					
	(0.7870)	(2.2300)	(10.7000 8.5)					
	1323.2 0.3	1674.74 0.08	1767.8 0.7			1779.2 0.3		
	(5.9700 8.3)	(13.5000)	(3.5000)			(5.6800)		
	1795.0 0.4	2422. 1.	2638. 4.			2823. 7.		
	(1.5700)	(2.1900)	(1.2700)			(0.7870)		
						2598. 6.		
						(0.6990)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
FE 53	377.2 0.2 (32.0000)	511.006 0.002 (196.0000)		(A)	FE 53 $\xrightarrow{E+}$ MN 53 8.5 M (A,N),		
FE 55	5.95 (25.7000)			(A)	FE 55 $\xrightarrow{EC}$ MN 55 2.7 A (N,G),	4.75E-01	
FE 59	142.648 0.004 (0.8000) 1699.23 0.03 (56.0000)	192.344 0.006 (2.7000) 1291.57 0.03 (44.0000)	334.81 (C.4500)	(A)	FE 59 $\xrightarrow{E-}$ CO 59 44.5 D (N,G), (N,P), (N,A),	1.15E-02	
CO 56	263.4 0.1 (0.0252) 511.006 0.002 (47.9000) 846.74 0.02 (98.8000) 997.3 0.2 (0.1110 6.0) 1175.12 0.04 (2.1900 1.8) 1352. 2. (0.0691) 1771.48 0.04 (15.6000 4.6) 2113.4 0.1 (0.3770 3.9) 2598.57 0.03 (16.7000 3.6) 3369.6 0.3 (0.0108 1.8) 3611.7 0.3 (0.0069 1.0)	411.37 0.08 (0.0247 5.0) 733.57 C.C5 (0.1840) 856.5 0.1 (0.0662 6.7) 1037.85 0.03 (30.1000) 1198.8 0.2 (0.0492) 1360.25 0.02 (4.3000 2.1) 1810.8 0.1 (0.6070 5.8) 2213.12 0.08 (0.2760) 3009.92 0.08 (0.9190 4.5) 3451.50 0.06 (C.8C20 4.5)	466.5 0.1 (0.0562 7.4) 787.91 0.06 (0.3030 8.3) 977.45 C.04 (1.3800 3.7) 1089.0 0.2 (0.0494) 1238.28 0.02 (69.1000 0.3) 1442.72 0.08 (0.1930 6.8) 1963.95 0.05 (0.7230 3.4) 2276.2 0.1 (0.1110 6.7) 3202.19 0.05 (3.0500 2.6) 3548.22 0.08 (0.1770 3.5)	(A)	CO 56 $\xrightarrow{EC}$ FE 56 77.3 D (P,N), (D,2N), (D,A),		
CO 57	14.409 0.005 (9.5000 3.2) 230.5 0.5 (0.0005) 366.8 0.5 (C.0006) 706.6 0.2 (0.0057)	122.061 0.007 (85.0000 2.0) 339.7 0.3 (0.0038) 570.1 0.1 (0.0135)	136.472 0.004 (11.4000) 352.5 0.3 (0.0029) 692.1 0.2 (0.1500)	(A)	CO 57 $\xrightarrow{EC}$ FE 57 271.6 D (D,N),		
CO 58	511.006 0.002 (31.0000) 1674.74 0.08 (C.5000)	810.74 0.02 (99.5000)	863.94 0.04 (0.6400)	(A)	CO 58 $\xrightarrow{EC}$ FE 58 71.3 D (A,N), (N,P),		
CU 60H	58.5 0.2 (2.1000)	1332.5C 0.02 (C.2500)		(A)	CU 60H $\xrightarrow{IT}$ CO 60 * 10.3 M (N,G),	5.52E+01	
CU 60	1173.22 0.01 (99.9000)	1332.5C 0.02 (100.0000)	2158. (0.0012)	(A)	CU 60 $\xrightarrow{E-}$ NI 60 5.27A (N,G), (N,A), (N,P),	4.70E+01	
CU 61	67.5 0.5 (89.0000)	85C. 1. (0.9000)	917.5 1.1 (2.2000)	(A)	CU 61 $\xrightarrow{E-}$ NI 61 98. M (N,P),		
CU 62V	1126.99 0.09 (16.0000 6.3) 1985.0 0.6 (2.8000) 3158.4 0.4 (1.0000)	1173.02 0.09 (100.0000) 2301.96 0.06 (19.0000 6.2) 3271.4 0.3 (0.3500)	1886.3 1.2 (0.5000) 2345.8 1.2 (1.3000) 3369.0 C.2 (0.5000)	(R)	CU 62V $\xrightarrow{E-}$ NI 62 1.4 M (D,A), (N,P),		

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
CO 62	777.8 0.9 (2.0000)	874.9 0.6 (1.4000)	1129.1 0.3 (1.4000)	(R)	CO 62 E- ====> NI 62 13.5 H (N,P), (D,A),		
	1163.5 0.3 (71.0000 1.7)	1173.02 0.09 (100.0000)	1719.1 0.3 (7.1000)				
	1753.5 0.8 (0.6000)	2003.9 0.3 (19.0000)	2104.9 0.3 (6.4000)				
	2251. 1.0 (0.4000)	2302.0 0.5 (1.8000)	2882.6 0.5 (1.1000)				
CO 63	87.1 0.1 (48.0000)	155.6 0.2 (1.7000)	913.6 0.5 (0.4500)	(A)	CO 63 E- ====> NI 63 * 27.5 S (N,PN),		
	981.7 0.3 (2.6000)	1069.1 0.4 (1.6000)	2174.5 0.5 (1.2000)				
NI 57	127.1 0.1 (15.0000)	161.8 0.3 (0.0170)	252.5 0.6 (0.0320)	(A)	NI 57 EC ====> CO 57 * 35.94H (N,2N), (A,N),		
	380.0 0.2 (0.0760)	511.006 0.002 (77.0000)	673.4 0.2 (0.0460)				
	906.8 0.3 (0.0870)	1046.4 0.2 (0.1200)	1223.5 0.4 (0.0870)				
	1377.7 0.2 (79.0000)	1730.6 0.3 (0.0620)	1757.7 0.2 (6.6000)	1896.5 0.4 (0.0220)	1919.5 0.2 (15.0000)		
	2132.9 0.3 (0.0370)	2730.6 0.2 (0.0200)	2804.0 0.3 (0.1030)	3176.9 0.3 (0.0190)			
NI 65	366. 0.1 (4.3000)	507. 0.1 (0.3900)	1114.8 0.1 (16.0000)	(A)	NI 65 E- ====> CU 65 2.52H (N,G), (N,A),	4.55E-02	
	1481.4 0.1 (24.6000)	1624. 0.1 (0.7300)	1725. 0.1 (0.4500)				
NI 67	100.0 0.4 (36.8000)	140.6 0.8 (28.7000)	208.0 0.6 (50.0000)	(R)	NI 67 E- ====> CU 67 * 18. S (N,A),		
	553.1 0.4 (31.6000)	708.5 0.3 (67.7000)	779.1 0.4 (19.9000)				
	874.1 0.4 (64.7000)	1072.2 0.3 (100.0000)	1100.4 0.5 (22.8000)				
	1653.9 0.4 (73.5000)	1760.2 0.7 (28.7000)	1809. 1. 0.1 (22.1000)	1938. 1. 0.1 (18.4000)	1975. 1. 0.1 (47.8000)		
CU 58	40.8 0.2 (6.8000)	167.1 0.2 (0.5560 6.2)	263. 1. 0.1 (0.0025)	(A)	CU 58 E+ ====> NI 58 3.2 S (P,N),		
	511.006 0.002 (200.0000)	555. 1. 0.1 (0.0269)	818.5 0.5 (0.0960)				
	855.0 0.4 (0.6340 9.8)	1321.4 0.2 (1.1000 3.5)	1448.0 0.1 (11.1000 2.5)				
	1454.1 0.1 (15.5000)	1488.3 0.2 (1.0300 3.4)	1547.0 0.7 (0.0695)	1584.2 0.5 (0.1900)	1673.8 0.6 (0.0788)		
	1809.9 0.2 (0.3910 4.3)	2077.4 0.6 (0.0602)	2139.6 0.7 (0.0700)	2444.7 0.8 (0.1130)	2775.5 0.4 (0.0523)		
	2901.9 0.3 (0.5510 8.1)	3038.3 0.6 (0.1030)	3082.7 0.6 (0.0958)	3264.3 0.3 (0.6590 4.7)	3594.6 0.7 (0.4200 5.5)		
	3898.2 0.8 (0.0436)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
CU 60	120.3 0.3 (0.1970)	467.5 0.1 (3.1400)	498.0 0.1 (0.7510)	(A)	CU 60 $\xrightarrow{E+}$ NT 60 24. M (P,h), (D,2N),		
	511.006 0.002 (184.0000)	643.3 0.2 (0.8660)	681. 1. (0.0349)				
	740. 1. (0.0786)	748. 1. (0.0567)	826.4 0.1 (20.5000 8.6)				
	839.1 0.2 (0.5090)	896.3 0.4 (0.1310)	909.2 0.1 (2.1400)	952.3 0.1 (2.7600 9.0)	965.2 0.2 (0.2970)		
	984.5 0.4 (0.0786)	994.0 0.3 (0.0349)	1027.0 0.3 (0.0873)	1035.1 0.1 (3.5100 8.7)	1110.0 0.4 (1.1000)		
	1173.22 0.01 (0.2920)	1234.4 0.5 (0.1350)	1293.7 0.1 (1.9200)	1307.6 0.9 (0.0964)	1332.50 0.02 (87.3000 8.0)		
	1420.1 0.5 (0.1120)	1424.9 0.5 (0.0635)	1451.4 0.5 (0.1660)	1579.5 0.6 (0.0873)	1713.0 0.2 (0.0174)		
	1735.4 0.6 (0.0611)	1767.0 0.5 (0.0960)	1791.6 0.2 (44.5000 8.4)	1845. 1. (0.4370)	1861.6 0.2 (4.6700 8.8)		
	1919.8 0.3 (0.7260)	1936.9 0.2 (2.1500 9.7)	2061.0 0.2 (0.8130)	2158.9 0.1 (3.1800 9.8)	2176. 2. (0.0515)		
	2264.0 0.9 (0.0985)	2334.4 0.9 (0.0349)	2377. 1. (0.0611)	2390. 1. (0.1220)	2402.6 0.7 (0.8110)		
	2540. 2. (0.0253)	2675.3 0.6 (0.1310)	2687.9 0.2 (0.4370)	2746.1 0.2 (1.0200)	2889.6 0.7 (0.0201)		
	2986.3 0.4 (0.1220)	3124.4 0.3 (4.7300 9.0)	3161.0 0.4 (0.5750 5.6)	3194.2 0.3 (1.9100 9.1)	3203.0 0.2 (0.0331)		
	3216.0 0.5 (0.0349)	3246.2 0.9 (0.0298)	3269.5 0.3 (0.7810 9.7)	3393.5 0.6 (0.0523)	3428.3 0.6 (0.0262)		
	3512. 2. (0.0174)	3517. 2. (0.0174)	3734.7 0.9 (0.0262)	3872. 3. (0.0113)	4008. 1. (0.0786)		
	4020.4 0.3 (0.7680)	4078.4 0.3 (0.0659)	4318.9 0.7 (0.0436)	4334.2 0.9 (0.0099)	4493.7 0.6 (0.0395)		
	4548.4 0.6 (0.0406)	4578. 1. (0.0221)	4760. 1. (0.0078)	4843. 1. (0.0087)	5047. 2. (0.0013)		
CU 61	23.8 0.4 (*****)	44.8 0.5 (*****)	55.4 0.5 (*****)	(A)	CU 61 $\xrightarrow{E+}$ NI 61 3.35H (D,N),		
	67.6 0.3 (4.3000)	283.0 0.3 (13.0000)	373.6 0.3 (1.9000)				
	511.006 0.002 (120.0000)	529.3 0.3 (0.3200)	588.6 0.3 (1.2000)				
	626. 1. (0.0300)	656.01 0.25 (9.6000)	816.8 0.2 (0.3200)	841.0 0.3 (0.2300)	903.7 1.5 (0.0600)		
	908.5 0.4 (1.0000)	1032.7 0.5 (0.0600)	1065.3 0.5 (0.0500)	1074.5 0.7 (0.0300)	1100.1 0.2 (0.2800)		
	1117.5 0.3 (0.0400)	1132.5 0.3 (0.0700)	1185.0 0.3 (3.6000)	1446.7 0.3 (0.0400)	1543.6 0.7 (0.0300)		
	1611.1 0.4 (0.0250)	1662.9 0.3 (0.0400)	1730.4 0.3 (0.0400)	2122.4 2.0 (0.0400)			
CU 62	511.006 0.002 (196.0000)	875.7 0.1 (0.1500)	1067.0 1.0 (0.0007)	(A)	CU 62 $\xrightarrow{E+}$ NI 62 9.75H		
	1129.1 0.1 (0.0340)	1173.0 0.1 (0.3500)	1717.6 0.3 (0.0040)				
	1985.0 0.6 (0.0011)	2084.7 0.3 (0.0050)	2097.6 0.1 (0.0020)				
	2301.0 0.1 (0.0440)	2345. 2. (0.0030)	3158.4 0.4 (0.0006)	3257.3 1.0 (0.0001)	3271.4 0.3 (0.0007)		
	3369.9 0.2 (0.0110)	3361.7 0.8 (0.0003)					
CU 64	511.006 0.002 (36.8000 4.3)	1345.5 0.2 (0.5500)		(A)	CU 64 $\xrightarrow{E-}$ ZN 64 12.72H (N,G), (N,P),	7.98E+00	
CU 66	833. (0.2500)	1039.0 0.2 (9.0000)		(A) NI 66 ==>	CU 66 $\xrightarrow{E-}$ ZN 66 5.3 H (N,G),	1.82E+00	
CU 67	91.31 0.06 (7.3000)	93.31 0.06 (16.9000)	184.54 0.07 (47.0000)	(A) NI 67 ==>	CU 67 $\xrightarrow{E-}$ ZN 67 61.9 H (N,P), (A,P), (T,P),		
	208.94 0.03 (0.1100)	300.18 0.07 (0.7400)	393.57 0.08 (0.2000)				
CU 68M	84.6 0.4 (95.0000)	110.4 0.7 (24.5000)	525.7 0.4 (100.0000)	(R)	CU 68M $\xrightarrow{IT}$ CU 68 * 3.75M (N,A), (N,P),		
	635.9 0.7 (16.5000)						

NUCLIDE	ENERGY (KEV) INTENSITY		APS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
CU 68	579. 1. (3.5200)	876. 1. (3.6400)	1077.7 0.5 (100.0000 3.8)	(R)	CU 69 E- =====> ZN 68 30. S (N,A), (N,P),	
	1261.8 0.8 (21.2000 8.6)	1338. 1. (16.9000)	1745. 2. (3.2800)			
	1894. 2. (2.1900)	2340. 2. (1.3400)				
CU 70	386.5 0.4 (7.8300)	884.8 0.2 (100.0000)	901.7 0.2 (87.0000)	(R)	CU 70 E- =====> ZN 70 42. S (N,P),	
	1108.7 0.4 (7.8300)	1251.7 0.2 (57.4000)	1690.6 0.5 (4.7000)			
	1954. 1. (2.0000)	2061.4 0.5 (3.6500)	3062. 2. (1.3900)			
ZN 60	61.5 0.6 (20.0000)	273.4 0.4 (8.7900)	334.4 0.1 (7.3400 7.8)	(A)	ZN 60 E+ =====> CU 60 * 2.33M	
	364.6 0.3 (2.6500)	511.006 0.002 (195.0000 3.5)	572.4 0.3 (2.0700)			
	670.2 0.4 (50.4000 3.5)	947. 1. (0.8060)				
ZN 61	266.4 0.4 (0.4200)	421.0 1.5 (0.0440)	425.3 1.0 (0.1700)	(A)	ZN 61 E+ =====> CU 61 * 86. S (A,N),	
	475.2 0.3 (16.0000)	511.006 0.002 (198.0000)	594.2 1.5 (0.0590)			
	604.5 1.0 (0.0440)	638.2 0.5 (0.0440)	690.4 0.4 (1.6000)			
	697.5 0.5 (0.3100)	751.4 0.6 (0.2800)	919.4 1.0 (0.1100)	934.3 1.0 (0.1200)	970.0 0.3 (2.4000)	
	1131.9 0.3 (0.1700)	1147.9 1.0 (0.0740)	1185.4 0.3 (1.6000)	1310.6 0.4 (0.9300)	1394.2 0.4 (1.1000)	
	1457.0 1.0 (0.3000)	1481.9 0.4 (0.7900)	1500.4 1.8 (0.1300)	1537.1 1.8 (0.0740)	1565.6 1.4 (0.0520)	
	1613.5 0.6 (0.3000)	1660.5 0.3 (7.4000)	1732.6 1.5 (0.0670)	1882.9 0.6 (0.4100)	1904.0 1.5 (0.1100)	
	1932.2 0.5 (0.5600)	1997.1 0.4 (1.2000)	2043.4 1.5 (0.0740)	2088.7 0.5 (0.6700)	2208.7 0.4 (0.8300)	
	2358.4 0.7 (0.3100)	2381.1 1.5 (0.1300)	2457.1 0.5 (0.7000)	2472.1 2.0 (0.0740)	2544.0 2.6 (0.0960)	
	2683.8 0.4 (0.7500)	2792.1 0.4 (0.8300)	2842.1 1.0 (0.2200)	2856.7 0.4 (0.3600)	2931.5 1.5 (0.1300)	
	3019.9 1.1 (0.1900)	3091.2 2.0 (0.1000)	3523.3 2.5 (0.1300)			
ZN 62	40.87 0.08 (22.5000 3.5)	243.41 0.05 (2.3200 4.9)	247.02 0.08 (1.8600 3.7)	(A)	ZN 62 E+ =====> NI 62 9.75M	
	260.41 0.06 (1.3400 1.7)	304.9 0.2 (0.2990 5.3)	349.4 0.1 (0.3570)			
	393.84 0.07 (2.0800 1.3)	511.006 0.002 (*****)	548.29 0.06 (14.0000 2.3)			
	636.9 0.1 (0.7450)					
ZN 63	365. 2. (0.0186)	450.0 0.5 (0.2380)	511.006 0.002 (186.0000)	(A)	ZN 63 E+ =====> CU 63 * 37.85M (N,2N), (A,N), (P,N), (D,2N),	
	669.7 0.2 (88.8000 .7)	685. 2. (0.0381)	742.4 0.5 (0.0726)			
	924. 1. (0.0213)	962.0 0.1 (6.9600 2.8)	1087. 2. (0.0269)			
	1123.7 0.3 (0.1370)	1150. 2. (0.0251)	1168. 3. (0.0167)	1189. 3. (0.0186)	1208.9 0.9 (0.0150)	
	1326.5 0.3 (0.0805)	1340. 1. (0.0557)	1374.3 0.3 (0.0403)	1391.6 0.4 (0.1500 5.8)	1411.9 0.2 (0.7670 4.8)	
	1546.9 0.2 (0.1310 9.1)	1573.4 0.9 (0.0141)	1700. 4. (0.0278)	1817. 1. (0.0026)	1826. 1. (*****)	
	1865.2 0.5 (0.0325 8.4)	1926. 2. (0.0055)	2011.8 0.5 (0.0107)	2027.1 0.5 (0.0594)	2050. 4. (0.0067)	
	2062.3 0.6 (0.0299)	2082.0 0.5 (0.0150)	2103. 3. (0.0027)	2336.5 0.2 (0.0832 5.5)	2394. 4. (0.0092)	
	2497.6 0.4 (0.0203 9.2)	2512.1 0.5 (0.0115)	2535.9 0.2 (0.0717 5.0)	2617. 6. (0.0046)	2696.7 0.2 (0.0362)	
	2717.0 0.5 (0.0116)	2780. 2. (0.0157)	2781. 4. (0.0092)	2806.5 0.4 (0.0028)	2857.1 0.9 (0.0030)	
	2890. 2. (0.0023)	3042. 6. (*****)	3045. 1. (0.0051)	3091. 2. (0.0003)	3100.9 0.7 (0.0007)	

NUCLIDE	ENERGY (KEV)		INTENSITY		ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
ZN 65	511.006	0.002	1115.51	0.02	(A)	EC =====> 245. 0	CU 65	5.72E-01
	(2.8700	1.8)	(50.7000	0.2)		(N,G),		
ZN 69M	436.7	0.2	574.3	0.6	(A)	IT =====> 13.3 H	ZN 69 *	4.39E-02
	(99.9000	)	(0.0330	)		(N,G), (D,A),		
ZN 69	318.6	0.6	372.5	0.6	(A)	E- =====> 55. 4	GA 69	4.62E-01
	(0.0012	)	(0.0002	)		(N,G),		
ZN 71H	98.5	0.1	121.46	0.05	(A)	E- =====> 3.9 H	GA 71	2.31E-04
	(0.0612	)	(2.6300	7.2)		(N,G),		
	386.28	0.05	389.87	0.05				
	(91.3000	3.5)	(2.5300	)				
	487.34	0.05	511.54	0.05				
	(60.5000	4.5)	(28.5000	5.2)				
	528.7	0.3	566.3	0.1				
	(0.0513	)	(0.1930	8.9)				
	620.18	0.05	753.35	0.07				
	(54.5000	4.8)	(3.3100	6.1)				
	956.8	0.2	964.66	0.09				
	(0.2010	)	(2.1800	)				
	994.2	0.5	998.6	0.2				
	(0.0296	)	(1.1900	9.2)				
	1092.1	0.4	1107. 1.					
	(0.1500	)	(0.7310	)				
	1208.00	0.05	1226.50	0.06				
	(0.0210	)	(0.0182	)				
	1306.9	0.2	1311.4	0.2				
	(0.1060	8.6)	(0.1020	)				
	1380.7	0.2	1395.7	0.2				
	(0.3340	9.8)	(0.0885	)				
	1493.8	0.4	1503.8	0.5				
	(0.0491	)	(0.0118	)				
	1719.2	0.7	1759.6	0.2				
	(0.0265	)	(0.9130	)				
	2000.9	0.8	2317.7	0.6				
	(0.0036	)	(0.0639	)				
ZN 71	121.51	0.05	172.4	0.2	(A)	E- =====> 2.4 H	GA 71	1.54E-03
	(3.4900	)	(0.1560	)		(N,G),		
	389.8	0.2	358.3	0.3				
	(3.3800	)	(0.6100	8.8)				
	453.2	0.2	487.3	0.1				
	(0.1840	)	(0.1160	)				
	520.5	0.2	575.1	0.5				
	(0.0762	)	(0.0282	)				
	753.5	0.2	910.28	0.09				
	(0.3130	)	(8.0700	8.1)				
	1144.2	0.3	1241.5	0.5				
	(0.0782	)	(0.0313	)				
	1553.0	0.5	1631.8	0.2				
	(0.0250	)	(0.3420	9.1)				
	2294.8	0.5						
	(0.0250	)						
ZN 72	10.8	0.2	11.8	0.2	(A)	F- =====> 46.5 H	GA 72 *	1.70E-5
	(2.1000	)	(0.6300	)		(N,F),		
	20.3	0.2	29.8	0.2				
	(0.1800	)	(0.3600	)				
	47.9	0.2	72.0	0.2				
	(0.9000	)	(0.2700	)				
	89.4	0.2	95.0	0.2				
	(2.0000	)	(0.7200	)				
	192. 0.2							
	(7.8000	)						

NUCLIDE	ENERGY (KEV) INTENSITY			AHS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
GA 64	427.1 0.5 (1.9000)	511.006 0.002 (196.0000)	809.4 0.4 (14.0000)	(A)	GA 64 ^{E+} =====> ZN 64 2.6 H (P,N), (D,2N),		
	919.1 0.4 (7.6000)	992.2 0.5 (45.0000)	1276.6 2. (5.9000)				
	1387.8 1.4 (13.0000)	1568. 2. (4.9000)	1798. 4. (5.4000)				
	1995.0 0.5 (5.4000)	2195.6 0.9 (12.0000)	2272. 2. (1.8000)	2374.7 1.4 (6.3000)	2550. 2. (0.9000)		
	2806. 2. (0.6700)	3189. 2. (0.4000)	3264. (0.4500)	3366.9 1.6 (16.0000)	3426.2 1.8 (4.5000)		
	3465. (0.9000)	3795. 2. (0.6300)	3869. 2. (0.2200)	4215. 3. (0.2700)	4320. (0.2200)		
	4456.8 1.6 (0.9400)	4749. 5. (0.1300)	4861. (0.1300)	5190. (0.0220)	5310. (0.0220)		
GA 65	53.8 0.2 (5.0000)	61.1 0.2 (12.0000 9.6)	92.0 (0.4100)	(A)	GA 65 ^{E+} =====> ZN 65 * 15.2 H (D,N),		
	115.1 0.2 (56.0000)	153.0 0.2 (9.1000 9.6)	206.9 0.2 (2.6000 9.5)				
	422.2 0.3 (0.0570)	479.5 (0.0200)	511.006 0.002 (183.0000 7.5)				
	560.1 0.2 (0.1100)	574.8 0.5 (0.0250)	602.7 0.3 (0.0650)	653.7 0.2 (0.7700 9.7)	659.9 0.3 (0.1200)		
	702.7 0.2 (0.1100)	714.8 0.2 (0.1700)	751.8 0.2 (8.3000 6.0)	768.9 0.2 (1.3000 8.6)	794.6 0.2 (0.2700 9.1)		
	813.0 0.2 (0.1300)	855.8 0.2 (0.1800)	864.7 0.4 (0.0450)	866.8 0.4 (0.1200)	909.7 0.2 (0.5200 9.5)		
	932.2 0.2 (1.8000 7.4)	993.4 0.5 (0.0510)	1047.4 0.2 (0.9200)	1137.0 0.2 (0.1500)	1214.7 0.8 (0.0120)		
	1228.8 0.2 (0.7300)	1247.8 0.8 (0.0050)	1262.9 0.2 (0.0780)	1290.6 0.6 (0.0120)	1343.9 0.2 (0.2200)		
	1354.7 0.2 (0.8100)	1368. (0.0075)	1415.9 0.2 (0.2300)	1469.8 0.2 (0.0750)	1502.5 0.8 (0.0100)		
	1524.0 0.8 (0.0050)	1576.5 0.4 (0.0100)	1587.8 0.8 (0.0050)	1685.4 0.4 (0.0190)	1740.1 0.2 (0.0140)		
	1826.8 0.2 (0.0370)	1874.6 0.2 (0.0760)	1887.8 0.2 (0.0087)	1966.4 0.4 (0.0660)	2009.7 0.6 (0.0062)		
	2081.4 0.8 (0.0075)	2087.5 0.8 (0.0062)	2102.1 0.2 (0.0140)	2163.7 0.8 (0.0150)	2212.1 0.3 (0.1400)		
	2251.8 0.2 (0.0050)	2289.8 0.4 (0.0160)	2304.3 1.3 (0.0100)	2343.1 0.6 (0.0120)	2365.2 0.3 (0.0400)		
	2404.3 0.4 (0.0250)	2419.7 0.8 (0.0034)	2432.9 0.8 (0.0062)	2458.4 0.6 (0.0087)	2468.6 0.8 (0.0020)		
	2526.0 1.1 (0.0034)	2549.6 0.4 (0.0310)	2570.8 0.3 (0.0042)	2583.9 0.3 (0.0020)	2627.6 0.8 (0.0024)		
	2635.7 0.3 (0.0050)	2648.7 1.3 (0.0016)	2679.4 0.8 (0.0050)	2685.6 1.3 (0.0020)	2722.0 0.8 (0.0014)		
GA 66	290.1 0.1 (0.0520 7.1)	410.3 0.1 (0.0530)	448.9 0.1 (0.1100 3.4)	(A)	GA 66 ^{E+} =====> ZN 66 9.3 H (D,N),		
	459.8 0.1 (0.0860 4.3)	511.006 0.002 (115.0000)	578.6 0.1 (0.0600 6.3)				
	686.3 0.1 (0.2500 2.9)	833.5 0.1 (5.9000 1.0)	853.1 0.1 (0.0740 2.5)				
	856.7 0.1 (0.1200 3.1)	907.0 0.3 (0.1100 6.7)	913.9 0.4 (0.0700 5.3)	981.0 0.1 (0.0520 7.1)	1009.4 0.1 (0.0370)		
	1039.3 0.1 (37.0000)	1060.5 0.4 (0.0120)	1148.0 0.1 (0.0800 6.9)	1190.4 0.1 (0.1300 2.9)	1232.5 (0.0470)		
	1232.6 (0.5200 2.8)	1333.3 0.1 (1.2000 0.9)	1356.45 (0.3600)	1356.55 (0.1200)	1357.1 (0.1700)		
	1418.8 0.1 (0.6300 1.2)	1459.1 0.2 (0.0570 3.8)	1508.3 0.1 (0.5700 1.6)	1741.8 0.3 (0.0370)	1899.2 0.1 (0.4200 2.2)		
	1918.64 0.05 (2.1000 0.4)	2066.6 0.3 (0.0340 5.6)	2173.9 0.1 (0.0970 7.7)	2189.5 0.1 (5.6000)	2213.6 0.2 (0.1400 4.1)		
	2292.6 0.2 (0.0410 9.1)	2393.2 0.2 (0.2400 3.1)	2422.7 0.1 (1.9000 1.0)	2492.5 0.2 (0.0240)	2589.0 0.2 (0.0280)		
	2752.0 0.2 (23.0000 0.8)	2780.5 0.2 (0.1200 3.0)	2933.9 0.4 (0.2100 1.8)	2977.5 0.4 (0.0220)	2993.2 0.4 (0.0320)		
	3047.1 0.2 (0.0600 6.3)	3227.18 0.06 (1.5000 0.8)	3256.6 0.1 (0.0930 4.0)	3381.34 0.06 (1.4000 0.8)	3422.7 0.1 (0.8100 1.8)		
	3433.0 0.1 (0.2800 1.4)	3724.8 1.0 (0.0022)	3736.8 0.6 (0.0120 9.4)	3767.4 0.2 (0.1400 2.7)	3791.5 0.1 (0.9900 1.1)		
	3806.3 1.0 (0.0022)	3811.7 0.8 (0.0078 9.5)	3827.5 0.3 (0.0063)	4086.3 0.1 (1.1000 1.3)	4295.8 0.2 (3.4000 1.1)		
	4462.0 0.1 (0.7000 1.1)	4906.6 0.1 (1.4000 1.0)					

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
GA 67	91.3 (3.2700)	124.5 0.3 (23.7000)	208.96 0.2 (2.0000)	(A)	GA 67 EC =====> ZN 67 78. H (D,N),		
	300.2 0.2 (21.0000)	353.0 0.4 (*****)	356.0 0.4 (*****)				
	393.4 0.2 (6.5000)	454.4 0.4 (0.2000)	595.9 0.4 (*****)				
	987.9 0.4 (0.2000)						
GA 68	165.9 0.7 (0.0700)	511.006 0.002 (176.0000 5.C)	578.4 C.4 (0.0300)	(A)	GA 68 E+ =====> ZN 68 68.3 H (D,N), (A,N), (P,N),		
	805.7 0.5 (0.0900)	1077.5 0.3 (3.4800 4.6)	1261.3 0.3 (0.0930)				
	1744.6 0.5 (0.0079)	1883.5 0.3 (C.1490 4.8)	2339. 1. (0.0019)				
GA 70	175.3 0.2 (0.1600)	1039.4 0.2 (C.5000)		(A)	GA 70 E- =====> GE 70 21.1 H (N,G),	2.69E+02	
GA 72	50.89 0.05 (0.0057)	112.52 0.03 (C.1060)	142.54 C.06 (0.0125)	(A) ZN 72 ==>	GA 72 E- =====> GE 72 14.1 H (N,G), (N,P), (N,F),	4.62E+00	1.70E-5
	289.3 0.3 (0.1730 5.3)	336.3 0.3 (0.1060 9.6)	381.2 0.2 (C.2690 4.7)				
	428.3 0.3 (0.2210 5.3)	449.6 0.3 (C.1540)	479.1 0.3 (0.1060 9.6)				
	496.2 0.4 (0.0576)	520.8 0.4 (0.0634)	587.9 0.4 (0.1060 9.6)	600.85 0.03 (5.4700 4.6)	629.86 0.04 (25.4000 4.3)		
	735.9 0.2 (0.3740 4.0)	772. 1. (0.0432)	796.4 0.1 (3.2700 4.0)	810.24 0.09 (2.0200 5.2)	834.02 0.03 (96.0000 3.0)		
	861.11 0.05 (0.9220 4.3)	978.0 0.4 (0.0758)	894.22 0.05 (9.9800 4.2)	924.1 0.2 (0.1440 7.3)	939.35 0.08 (0.2590 8.0)		
	940.5 0.1 (0.1060)	970.54 0.06 (1.1000 4.0)	999.86 0.06 (0.8060 3.8)	1032.8 0.4 (0.0758)	1050.69 0.06 (6.9100 4.1)		
	1163.2 0.4 (0.0653)	1192.4 0.4 (0.0255)	1215.16 0.08 (0.7870 3.9)	1230.86 0.07 (1.4700 4.0)	1260.10 0.08 (1.1000 4.0)		
	1276.75 0.08 (1.5700 3.3)	1390.5 0.4 (0.0864)	1464.0 0.1 (3.5500 4.0)	1501. 1. (0.0173)	1520. 1. (0.0202)		
	1567.9 0.4 (0.2020)	1571.5 0.2 (0.8060 4.7)	1596.65 0.09 (4.3200 9.4)	1615. 1. (0.0394)	1630. 1. (0.0326)		
	1680.77 0.08 (0.9980 4.9)	1710.9 0.2 (0.4130 5.5)	1711.3 0.2 (0.0960)	1837.8 0.2 (0.2300)	1861.09 0.08 (5.2800 3.5)		
	1878.0 0.3 (0.2300 8.9)	1920.2 0.3 (0.1440)	2030.4 0.8 (0.0960)	2109.5 0.1 (1.0800 4.0)	2201.67 0.08 (25.7000 4.2)		
	2214.5 0.8 (0.1540)	2404.3 0.8 (0.0154)	2490.98 0.08 (7.9700 3.9)	2507.80 0.08 (12.8000 4.3)	2515.6 0.5 (0.2400 8.6)		
	2583.5 0.4 (0.0336)	2606. 1. (0.0125)	2621.0 0.4 (0.1440)	2633.8 0.4 (0.0115)	2785.2 0.6 (0.0307)		
	2844.1 0.2 (0.4800 5.0)	2942.4 0.4 (0.0259)	2981.4 0.4 (0.0691)	3034.5 0.5 (0.0038)	3093.9 0.7 (0.0250)		
	3324.4 0.5 (0.0038)	3340. 1. (0.0047)					
GA 73	53.4 0.2 (9.0000)	68.7 0.3 (*****)	285.0 0.3 (*****)	(A)	GA 73 E- =====> GE 73 4.8 H (N,P), (N,F),		1.00E-4
	257.4 0.2 (94.0000)	325.7 0.2 (*****)	379.3 0.4 (*****)				
	739.4 0.2 (6.0000)	767.9 0.3 (*****)	833.3 0.3 (*****)				

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
GA 74	492.00 0.06 (5.4600 9.1)	497.7 0.2 (1.6500 9.1)	595.98 0.04 (99.2000)	(A)	GA 74 $\xrightarrow{E-}$ GE 74 7.9 M (N,P),		
	604.2 0.1 (3.1500 6.3)	608.40 0.05 (15.9000 2.5)	639.1 0.1 (0.8930 5.6)				
	701.5 0.1 (0.9130 5.4)	715.6 0.4 (0.2380)	734.0 0.5 (0.1190)				
	784.2 0.1 (0.7640 5.2)	809.8 0.4 (0.2680)	867.80 0.05 (9.5900 2.1)	886.7 0.2 (0.4170 7.1)	542.45 0.07 (1.3900 2.2)		
	960.98 0.07 (1.7700 2.3)	974.9 0.3 (0.2980)	993.6 0.1 (0.7050 5.6)	999.8 0.2 (0.3370 8.8)	1023.8 0.5 (0.1390)		
	1101.34 0.06 (5.8700 2.0)	1121.6 0.1 (0.9230 5.4)	1134.6 0.3 (0.4170 9.5)	1160.4 0.1 (0.6550 7.2)	1177.5 0.2 (0.2580)		
	1184.6 0.2 (0.3080 9.7)	1204.29 0.06 (8.2400)	1293.5 0.3 (0.2880)	1312.8 0.1 (0.7240 6.9)	1332.2 0.3 (1.8900 5.3)		
	1337.2 0.1 (1.7400 2.3)	1357.9 0.2 (0.3470 8.0)	1417.6 0.7 (0.1190 8.3)	1443.38 0.07 (4.0200 2.0)	1471.5 0.3 (2.0800)		
	1478.2 0.3 (0.3270 9.1)	1489.35 0.07 (3.1300)	1510.2 0.3 (0.2580)	1570.3 0.1 (1.0400 3.8)	1602.0 0.2 (0.3270 9.1)		
	1617.2 0.3 (0.1390)	1676.6 0.1 (0.7940 5.0)	1744.82 0.07 (5.2200)	1806.4 0.3 (0.3180 9.4)	1829.6 0.1 (2.0400 2.4)		
	1940.64 0.09 (5.9200 2.0)	1970.8 0.4 (0.2380)	1999.3 0.2 (0.4370 9.1)	2004.7 0.2 (0.5560 8.9)	2014.4 0.1 (1.4300 4.2)		
	2024.1 0.2 (0.5160 7.7)	2036.2 0.4 (0.1890)	2074.1 0.3 (0.2880)	2097.9 0.1 (0.9620 5.2)	2109.8 0.6 (0.1190)		
	2131.8 0.2 (0.2180 4.5)	2138.6 0.1 (0.9030 4.4)	2197.9 0.1 (0.5360 7.4)	2198.0 0.1 (0.3570 8.3)	2257.05 0.06 (1.9500 2.6)		
	2279.00 0.09 (2.5500 2.3)	2351.53 0.09 (4.88000 2.0)	2362.4 0.1 (0.1890)	2438.5 0.1 (0.2980)	2486.2 0.4 (0.0992)		
	2504.3 0.7 (0.7140)	2580.1 0.1 (1.4100 2.1)	2616.69 0.09 (0.2580 7.7)	2625.3 0.4 (0.0754)	2690.95 0.09 (1.0900 2.7)		
	2737.9 0.2 (0.1790 5.6)	2747.1 0.1 (0.9230 5.4)	2771.8 0.4 (0.1290 7.7)	2785.9 0.1 (0.6850 7.3)	2790.8 0.1 (0.5660 7.0)		
	2949.8 0.3 (0.0794)	2970.9 0.1 (1.1800 2.5)	2997.4 0.3 (0.1090 9.1)	3018.6 0.4 (0.0695)	3031.6 0.2 (0.2380 8.3)		
	3036.1 0.5 (0.0496)	3043.6 0.4 (0.0496)	3211.1 0.1 (0.8040 2.5)	3232.2 0.1 (0.7140 2.8)	3240.0 0.3 (0.0794)		
	3273.4 0.5 (0.0397)	3298.9 0.1 (0.4070 2.4)	3354.0 0.1 (0.7940 2.5)	3605.4 0.1 (0.3570 5.6)	3626.6 0.3 (0.0198)		
	3639.4 0.1 (0.0794)	3706.9 0.6 (0.0298)	3717.3 0.6 (0.0298)	3762.2 0.2 (0.0893)	3818.0 0.5 (0.0496)		
	3895.0 0.4 (0.0397)	3946.7 0.6 (0.0298)	3992. 1. (0.0298)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
GA 76	335.9 0.5 (6.6600)	431.0 0.5 (11.7000 7.8)	545.51 0.03 (32.4000 5.9)	(A)	GA 76 $\xrightarrow{E=27.1\text{ S}}$ GE 76 (N,P), (N,F),		3.50E-3
	562.93 0.03 (63.3000 3.0)	661.4 0.2 (0.9230 9.4)	843.9 0.2 (1.4400)				
	847.15 0.05 (4.4600 6.4)	885.8 0.1 (1.6700 8.1)	911.4 0.1 (1.2700 7.2)				
	927.1 0.1 (1.1700 6.5)	976.50 0.05 (5.8300 4.2)	1014.2 0.2 (0.4500)		1043.6 0.4 (0.3750 9.4)	1051.7 0.2 (0.5910)	
	1108.41 0.08 (20.0000 3.7)	1175.7 0.5 (0.5910)	1192.1 0.3 (0.6410)		1208.0 0.1 (1.9300 7.9)	1249.1 0.2 (0.8080)	
	1259.9 0.5 (0.3750)	1273.1 0.1 (1.5200 5.8)	1282.9 0.4 (0.3580)		1310.6 0.3 (0.3500)	1348.1 0.1 (0.9410 7.7)	
	1443.9 0.5 (0.3250)	1461.2 0.3 (0.4160)	1482.5 0.2 (0.6250)		1489.6 0.4 (0.2920)	1502.3 0.5 (0.6160)	
	1546.0 0.4 (0.5410)	1583.9 0.5 (0.2500)	1612.7 0.3 (0.5660)		1634.0 0.2 (1.4400 5.5)	1639.3 0.1 (7.0000 3.8)	
	1642.6 0.2 (1.1800 7.7)	1660.3 0.1 (0.9750 7.5)	1732.7 0.3 (0.9160 9.6)		1811.1 0.1 (1.0600 6.3)	1878.3 0.2 (0.4560)	
	1892.7 0.2 (0.5080 7.2)	1902.2 0.2 (0.5330 8.4)	1912.7 0.1 (0.7410 6.4)		1924.6 0.3 (0.2500)	1940.3 0.1 (0.8660 7.4)	
	1980.4 0.5 (0.2750)	2040.7 0.3 (0.4160)	2073.75 0.07 (5.3600 3.9)		2091.9 0.4 (0.2250)	2129.46 0.08 (2.7800 4.2)	
	2185.2 0.2 (0.6250 8.6)	2203.8 0.2 (1.7300 7.8)	2214.36 0.08 (2.9200 4.2)		2278.8 0.2 (0.5580 8.0)	2347.4 0.3 (0.5500)	
	2356.9 0.1 (3.1200 5.2)	2369.8 0.6 (0.3500)	2435.6 0.3 (0.4660)		2476.6 0.4 (0.2750)	2481.1 0.4 (0.3000)	
	2499.6 0.4 (0.2500)	2524.0 0.2 (1.0000 7.2)	2578.55 0.09 (2.8300 4.2)		2591.0 0.4 (0.3420)	2619.2 0.1 (2.8400 4.2)	
	2680.9 0.3 (0.4080)	2700.5 0.4 (0.2500)	2760.0 0.1 (1.3900 5.7)		2782.7 0.4 (1.2800 8.4)	2843.50 0.09 (2.0200 5.1)	
	2868.1 0.2 (0.4410)	2882.9 0.9 (0.1750)	2914.6 0.2 (0.9330 6.6)		2919.9 0.1 (11.5000 4.7)	2970.9 0.2 (0.5000)	
	2981.2 0.4 (0.2580)	3034.6 0.2 (0.6580)	3069.9 0.1 (1.1700 6.5)		3130.7 0.3 (0.2670)	3141.4 0.1 (5.3500 5.8)	
	3145.3 0.4 (0.3750)	3190.6 0.3 (0.2670)	3275.9 0.2 (0.7330 9.6)		3283.6 0.5 (0.2170)	3328.7 0.8 (0.2500)	
	3334.6 0.5 (0.2420)	3366.5 0.3 (0.1830)	3388.8 0.1 (3.5700 6.6)		3402.4 0.3 (0.1670)	3465.5 0.4 (0.1750)	
	3559.5 0.4 (0.7410 8.4)	3675.6 0.5 (0.5660)	3736.9 0.5 (0.2000)		3752.1 0.5 (0.2080)	3925.2 0.2 (0.4250)	
	3951.7 0.1 (5.3600 8.3)	3974. 1. (0.2830)	4191.8 0.5 (0.3170)		4253.3 0.5 (0.2830)		
GE 64	42.80 0.01 (2.0000)	85.70 0.01 (2.0000)	128.20 0.01 (11.0000)	(A)	GE 64 $\xrightarrow{63. S}$ GA 64		
	384.10 0.01 (5.0000)	427.00 0.01 (37.0000)	667.10 0.01 (17.0000)				
	774.50 0.01 (7.0000)						

NUCLIDE	ENERGY (KEV) INTENSITY			APS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
GE 66	22.4 0.1 (3.5000)	33.6 0.1 (0.1500)	35.9 0.1 (0.8400)	(R)	GE 66 $\xrightarrow{E+}$ GA 66 * 2.4 H		
	41.6 0.1 (0.3200)	43.9 0.1 (0.6600)	53.4 0.2 (0.7100)				
	55.4 0.5 (0.1500)	65.2 0.1 (15.0000)	71.62 0.04 (0.3900)				
	70.94 0.05 (0.7800)	76.35 0.08 (0.4000)	108.85 0.03 (27.0000)		125.17 0.03 (0.7800)	147.79 0.03 (2.0000)	
	154.72 0.03 (0.7100)	169.5 0.1 (0.3900)	182.03 0.04 (13.6000)		190.20 0.03 (13.6000)	196.1 0.3 (0.1300)	
	201.1 0.3 (0.1500)	225.9 0.2 (0.4500)	234.0 0.2 (0.1900)		245.71 0.03 (12.0000)	272.97 0.04 (25.0000)	
	291.1 0.2 (0.9700)	302.52 0.03 (5.7000)	315.6 0.1 (1.9000)		323.8 0.3 (0.3200)	338.05 0.03 (19.0000)	
	370.5 0.5 (0.1300)	381.85 0.05 (65.0000)	415.3 0.1 (1.0400)		427.83 0.06 (1.4000)	470.62 0.06 (18.0000)	
	472.0 0.1 (7.1000)	484.1 0.2 (0.1900)	492.7 0.1 (1.4000)		511.006 0.002 (100.0000)	529.9 0.2 (0.1900)	
	536.74 0.07 (14.0000)	555.0 0.2 (0.2600)	597.14 0.04 (0.6500)		619.5 0.2 (0.1900)	639.8 0.1 (1.2000)	
	662.19 0.05 (0.2500)	664.9 0.3 (0.1900)	705.94 0.03 (8.8000)		723.6 0.1 (0.1900)	740.1 0.1 (0.1300)	
	757.3 0.1 (1.6000)	782.3 0.4 (0.1300)	799.2 0.4 (0.0570)		812.4 0.4 (0.0520)	821.8 0.2 (0.0650)	
	865.9 0.2 (0.3900)	892.1 0.2 (0.1300)	907.89 0.06 (0.0840)		919.4 0.2 (0.3300)	930.3 0.2 (0.0650)	
	935.7 0.2 (0.0370)	974.9 0.2 (0.0580)	995.9 0.3 (0.1400)		1010.5 0.5 (0.0350)	1020.3 0.3 (0.0320)	
	1059.6 0.4 (0.0320)	1094.8 0.3 (0.1200)	1101.26 0.04 (0.3400)		1120.4 0.3 (0.0650)	1144.13 0.06 (0.0780)	
	1165.8 0.2 (0.5200)	1174.7 0.2 (0.2900)	1221.88 0.07 (1.0200)		1250.3 0.5 (0.0320)	1265.0 0.4 (0.1800)	
	1322.54 0.04 (1.0300)	1329.5 0.4 (0.1900)	1339.6 0.3 (0.0320)		1347.4 0.3 (0.1500)	1387.4 0.4 (0.0320)	
	1412.5 0.2 (0.8400)	1456.6 0.6 (0.1900)	1478.6 0.4 (0.0450)		1490.4 0.2 (0.2600)	1507.8 0.6 (0.3600)	
	1512.37 0.04 (1.5500)	1536.2 0.4 (0.0260)	1548.4 0.4 (0.0190)		1660.2 0.4 (0.1000)	1769.5 0.4 (0.2200)	
GE 69	234.8 0.3 (0.3000)	310.7 0.3 (1.1000)	511.006 0.002 (69.0000)	(A)	GE 69 $\xrightarrow{EC}$ GA 69 38.5 H		
	532.8 0.4 (0.2500)	553.3 0.4 (0.5600)	574.0 0.3 (12.6000)		(N,2N),		
	587.8 0.4 (0.1900)	762.0 0.4 (0.1700)	789. 0.4 (0.3600)				
	872.5 0.2 (9.4000)	1002. (0.2200)	1052. (0.3000)		1107.2 0.2 (28.1000)	1206. (0.2500)	
	1335. (3.1000)	1349. (0.2200)	1528. (0.1400)		1576. (0.1900)	1893. (0.1900)	
	1922. (0.0500)	2023. (0.2500)					
GE 75H	96.7 (0.0001)	121.1 (0.0001)	136.0 (*****)	(A)	GE 75H $\xrightarrow{IT}$ GE 75 * 49. S	1.64E-01	
	139.8 0.2 (34.0000)	304.0 (0.0000)	400.7 (0.0001)		(N,G), (N,P),		
GE 75	66.7 0.2 (0.0980)	198.596 0.007 (0.8200)	264.561 0.007 (11.0000)	(A) GA 75 ==>	GE 75 $\xrightarrow{E-}$ AS 75 82.78H	2.46E-01	1.20E-3
	353.0 0.8 (0.0220)	418.5 0.5 (*****)	468.7 0.5 (0.2000)		(N,G), (N,P), (N,F),		
	617.8 0.8 (0.0550)						
GE 77H	159.7 0.1 (10.1000)	194.8 0.2 (0.4200)	215.5 0.1 (21.6000)	(A)	GE 77H $\xrightarrow{E-}$ AS 77 * 53. S	1.91E-02	
	419.4 0.5 (0.0570)	614.3 0.5 (0.0450)			(N,G),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
GE 77	154.3 0.3 (0.4760)	177.4 0.4 (0.0292)	194.7 0.2 (1.4100)	(A) GA 77	==> GE 77 E- =====> 11.3 H (N,G), (N,F),	AS 77 *	1.57E-02
	211.0 0.1 (2.9100)	215.51 0.04 (25.4000)	255.0 0.3 (0.0759)				8.30E-3
	264.5 0.1 (49.4000)	338.3 0.2 (0.0990)	367.49 0.04 (14.2000)				
	416.35 0.04 (23.6000)	439.5 0.2 (0.3000)	461.3 0.3 (1.2200)	475.5 0.1 (1.0400)	557.8 0.1 (16.6000)		
	582.5 0.2 (0.7450)	513.9 0.4 (0.0980)	624.6 0.4 (0.0584)	632.3 0.2 (9.1700)	673.1 0.3 (0.6390)		
	698.8 0.3 (0.244)	714.1 0.1 (7.8500)	743.2 0.4 (0.1400)	745.6 0.3 (1.0200)	749.9 0.3 (0.9520)		
	766.8 0.3 (0.7590)	781.3 0.3 (0.9780)	784.8 0.3 (1.1900)	794.7 0.4 (0.1430)	810.5 0.2 (2.2800)		
	823.6 0.3 (0.6100)	843.7 0.3 (0.2300)	875.3 0.3 (0.7590)	907.3 0.4 (0.6510)	914.2 0.5 (1.2300)		
	922.9 0.4 (0.4910)	928.5 0.3 (0.7650)	929.1 0.3 (0.8640)	939.6 0.4 (0.1900)	946.9 1.0 (0.0117)		
	959.1 0.8 (0.9759)	968.1 0.9 (0.0701)	986.3 0.8 (0.0672)	997.1 0.5 (0.0672)	1062.1 1.5 (0.0409)		
	1085.3 0.4 (6.3000)	1115.4 0.4 (0.0905)	1125.7 0.4 (0.0876)	1151.8 0.4 (0.1810)	1193.3 0.2 (2.5200)		
	1202.7 0.6 (0.0584)	1216.0 0.4 (0.1020)	1242.4 0.3 (0.3040)	1264.2 0.3 (0.7800)	1281.0 0.5 (0.0993)		
	1296.2 0.4 (0.0847)	1310.0 0.9 (0.4700)	1313.1 0.5 (0.2690)	1320.0 0.5 (0.3940)	1340.9 2.0 (0.0289)		
	1368.7 0.4 (2.6400)	1440.5 2.0 (0.0257)	1453.0 0.7 (0.1720)	1465.3 0.7 (0.1610)	1477.1 0.6 (0.3240)		
	1479.9 0.6 (0.2420)	1495.4 0.5 (0.5430)	1529.1 0.5 (0.0613)	1539.5 0.4 (0.1430)	1559.6 2.0 (0.0143)		
	1573.4 0.4 (0.6620)	1607.5 2.5 (0.0064)	1625.7 2.0 (0.0079)	1641.0 2.0 (0.0076)	1671.4 2.0 (0.0067)		
	1710.2 0.9 (0.3040)	1720.0 0.5 (0.4290)	1727.0 0.8 (0.1230)	1734.5 2.0 (0.0196)	1792.7 2.0 (0.0085)		
	1830.8 0.8 (0.0438)	1946.5 0.4 (0.1580)	1967.1 2.2 (0.0076)	1879.7 0.7 (0.0292)	1912.0 1.2 (0.0193)		
	1929.1 0.7 (0.0204)	1949.6 2.0 (0.0584)	2000.1 0.3 (0.5610)	2038.4 0.5 (0.0350)	2077.4 0.5 (0.2340)		
	2089.7 0.5 (0.2130)	2126.5 0.4 (0.1400)	2248.2 0.6 (0.0204)	2290.0 2.0 (0.0026)	2329.4 1.0 (0.0234)		
	2341.7 0.4 (0.4790)						
GE 79	230.4 0.1 (100.0000)	467.8 0.4 (30.0000)	542.5 0.7 (60.0000)	(R)	GE 79 E- =====> 42. S (N,F),	AS 79 *	5.60E-2
	633.4 0.7 (20.0000)	745.5 0.7 (10.0000)	755. 1. (30.0000)				
	781.5 1. (17.0000)						
AS 68	511.006 0.002 (198.0000)	613.5 0.5 (5.5000)	651.2 0.2 (23.0000 4.2)	(A)	AS 68 E+ =====> 159. S (N,F),	GE 68 *	
	740.0 1.5 (2.4000)	762.6 0.2 (23.0000 4.3)	1016.5 0.1 (65.0000)				
	1253.4 0.4 (1.0000)	1263.5 0.3 (3.6000)	1333.5 1.0 (1.8000)				
	1412.5 0.3 (1.2000)	1622.0 1.0 (2.7000)	1634.0 2.0 (0.8500)	1643.0 2.0 (0.8500)	1776.7 0.2 (21.0000 4.6)		
	2008.0 1.0 (2.9000)	2454.0 1.0 (2.6000)	2457.0 1.0 (2.6000)	2506. 1.0 (1.0000)	3058. 3.0 (0.7200)		
	3087.0 3.0 (1.1000)	3220. 3.0 (0.5200)					

NUCLIDE	ENERGY (KEV)		INTENSITY		ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
AS 70	176.0 0.3 (1.2300)	240.5 0.5 (0.1040)	252.5 0.4 (1.4400)	(A)	AS 70	F+ =====> GE 70 53.0 M		
	294.2 0.5 (0.1930)	258.8 C.5 (0.1930)	449. 1. (0.0802)			(P,N),		
	451. 1. (0.0529)	492.2 0.5 (0.4690)	457.0 C.5 (1.2800)					
	511.006 0.002 (80.2000)	555.2 0.5 (8.0200)	607.6 0.5 (1.9300)	653.0 0.5 (0.2970)	668.2 0.2 (10.4000)			
	744.0 0.5 (10.4000)	760.2 0.5 (0.1200)	828.1 0.5 (1.7700)	889.3 0.5 (1.5200)	893.1 0.5 (0.9620)			
	901.9 0.5 (0.6900)	905.7 0.5 (6.0200)	942.1 0.5 (0.6900)	953.8 0.5 (0.2330)	1039.6 0.2 (40.9000)			
	1099.3 0.5 (2.1700)	1114.4 0.4 (10.4000)	1118.1 0.5 (1.6000)	1218.3 0.5 (0.0882)	1296.1 0.5 (0.0882)			
	1332.2 0.5 (0.3050)	1336.0 0.5 (0.3050)	1339.3 0.3 (4.4100)	1351.8 0.5 (0.2890)	1412.4 0.4 (4.2500)			
	1418.3 0.5 (0.2490)	1496.1 0.1 (0.7700)	1507.1 0.5 (0.1930)	1512.1 0.5 (0.1360)	1523.3 0.4 (2.4900)			
	1566.6 0.5 (0.1360)	1587.9 0.5 (0.2170)	1707.9 0.4 (8.8200)	1781.3 0.5 (1.9300)	1883.1 0.5 (0.2570)			
	1945.0 0.5 (0.0409)	1949.0 0.5 (0.8820)	2008. 4. (1.4400)	2019.6 0.3 (8.0200)	2065. 3. (0.0609)			
	2096. 3. (0.0882)	2157.6 0.5 (0.1840)	2219.3 C.5 (0.0529)	2256.1 0.5 (0.0650)	2326.6 0.5 (0.0569)			
	2333.4 0.5 (0.0409)	2421.2 0.5 (0.0409)	2425.0 0.5 (0.0409)	2449.3 0.5 (0.1760)	2520. 3. (0.0361)			
	2637.2 0.5 (0.1520)	2780. 3. (0.0361)	2852. 3. (0.0200)	2965. 3. (0.0361)	3129.6 0.5 (0.0321)			
	4091. 3. (0.0080)	4328. 3. (0.0080)	4435. 3. (0.0040)					
AS 71	174.9 0.4 (100.0000)	247.8 0.6 (0.1900 7.0)	279.8 0.4 (0.1800 7.0)	(R)	AS 71	EC =====> GE 71 * 64. H		
	326.8 0.4 (3.3000 6.0)	350.3 0.4 (0.4700 7.0)	374.0 0.4 (0.0870 7.0)			(D,N),		
	391.4 0.3 (0.6700 6.0)	431.7 0.6 (0.0160 6.0)	465.4 0.3 (0.0940 5.0)					
	480.4 0.5 (0.0190 5.8)	499.9 0.2 (3.7000 4.0)	526.6 0.2 (0.8700 5.0)	533.6 0.5 (0.0140 5.7)	572.2 0.2 (0.2800 5.0)			
	609.7 0.7 (0.0250 6.0)	615.3 0.2 (0.5400 5.0)	623.0 C.4 (0.0120 5.9)	639.4 0.4 (0.0430 5.9)	656.2 0.4 (0.0710 5.0)			
	680.0 0.4 (0.2700 5.0)	657.5 0.5 (0.0220 5.6)	708.1 0.4 (0.2800 5.0)	712.5 0.2 (0.3300 5.0)	727.2 0.5 (0.0200 6.0)			
	747.1 0.2 (0.1500 5.0)	759.2 0.7 (0.0140 6.8)	798.3 0.4 (0.0310 6.0)	814.0 0.5 (0.0460 6.0)	851.3 0.2 (0.2100 5.0)			
	881.8 0.7 (0.0260 6.0)	906.6 0.5 (0.0310 6.0)	911.4 0.9 (0.0099 7.0)	920.6 0.2 (0.3300 5.0)	935.4 0.5 (0.0330 5.9)			
	964.4 0.5 (0.0540 5.9)	996.3 0.5 (0.0099 7.0)	1006.6 0.4 (0.0420 6.0)	1026.7 0.2 (0.3000 5.0)	1033.5 0.2 (0.1800 5.0)			
	1037.7 0.4 (0.2100 5.0)	1045.3 C.8 (0.0061 9.0)	1058.9 0.8 (0.0150 7.0)	1083.7 0.8 (0.0092 7.6)	1095.5 0.2 (4.5000 4.0)			
	1104.8 0.8 (0.0920 8.0)	1130. 1. (0.0072 9.0)	1139.3 0.2 (0.9300 5.0)	1191.3 0.8 (0.0028)	1212.8 0.3 (0.3000 5.0)			
	1231.5 0.3 (0.0590 5.9)	1238. 1. (0.0062 8.8)	1255. 1. (0.0028)	1267.4 0.5 (0.0250 7.0)	1281. 1. (0.0078 8.9)			
	1298.5 0.2 (0.2200 5.0)	1308. 1. (0.0070 8.5)	1331.6 0.6 (0.0790 5.0)	1360. 1. (0.0020)	1385. 1. (0.0056 9.7)			
	1423.5 0.6 (0.00170 6.8)	1460.6 0.6 (0.0930 6.0)	1582. 1. (0.0035 9.9)	1593.1 0.6 (0.0056)	1599.1 0.6 (0.0290 6.6)			
	1606.3 0.6 (0.0089 8.9)	1617.6 0.6 (0.0130 7.7)	1629.3 0.6 (0.0250 7.0)	1730. 1. (0.0020)	1743.4 0.6 (0.0260 6.9)			
	1764. 1. (0.0250 7.0)	1848. 1. (0.0028)	1938. 1. (0.0097 9.8)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (C/G)	FISS. Y. (U 235)
AS 72	113.1 0.2 (0.0360)	142.5 0.2 (0.0100)	428.5 0.2 (0.0830)	(R)	AS 72 $\xrightarrow{E+}$ GE 72 26. H (A,N),		
	511.006 0.002 (*****)	600.93 0.05 (0.4000)	629.93 0.05 (10.2000)				
	786.43 0.05 (0.5400)	874.00 0.03 (100.0000)	879.2 0.2 (0.0320)				
	894.27 0.05 (0.9900)	905.3 0.2 (0.0490)	911.8 0.2 (0.0700)	538.8 0.2 (0.1000)	542. 1. (0.0200)		
	999.84 0.08 (0.0370)	1031. 1. (0.0350)	1050.76 0.05 (1.2300)	1193.9 0.1 (0.1200)	1215.14 0.05 (0.2900)		
	1230.8 0.1 (0.0990)	1276.8 0.2 (0.0460)	1390.44 0.05 (0.3000)	1464.00 0.07 (1.4300)	1475.91 0.07 (0.6300)		
	1523. 1. (0.0140)	1568.2 0.1 (0.1800)	1581.3 0.3 (0.0510)	1680.7 0.1 (0.1500)	1710.90 0.07 (0.3400)		
	1921. 1. (0.0600)	1991.14 0.08 (0.4800)	2105.9 0.3 (0.9300)	2109.8 0.3 (0.2800)	2116.7 0.4 (0.0410)		
	2201.74 0.09 (0.0500)	2214.1 0.2 (0.0430)	2248.5 0.1 (0.4200)	2336.8 0.2 (0.0430)	2402.9 0.1 (0.1400)		
	2491.0 0.2 (0.0420)	2507.9 0.1 (0.4200)	2515.4 0.2 (0.0290)	2521.8 0.2 (0.0590)	2585.0 0.3 (0.1200)		
	2621.5 0.1 (0.4900)	2844.2 0.4 (0.0870)	2860. 1. (0.0400)	2864. 1. (0.0200)	2898.6 0.4 (0.0350)		
	2940.1 0.1 (0.0420)	2982.1 0.2 (0.2400)	3094.3 0.2 (0.1800)	3112.4 0.3 (0.1000)	3150.0 0.3 (0.1000)		
	3161. 1. (0.0100)	3337.7 0.4 (0.0280)	3398. 1. (0.0080)	3550.4 0.8 (0.0310)	3803.6 0.3 (0.1100)		
	3872.0 0.5 (0.0060)	3975.0 0.3 (0.0800)					
AS 73	13.26 0.02 (*****)	53.427 0.009 (*****)		(R)	AS 73 $\xrightarrow{EC}$ GE 73 76. D (D,N),		
AS 74	511.006 0.002 (0.0000 4.0)	595.83 0.06 (59.5000)	608.43 0.06 (0.5680 3.1)	(A)	AS 74 $\xrightarrow{EC}$ GE 74 17.9 D (N,2N), (A,N),		
	634.78 0.06 (15.0000 2.7)	635. 2. (0.0357)	715.3 0.2 (0.0086)				
	734.2 0.3 (0.0035)	967.2 0.6 (0.0045)	887.0 0.1 (0.0277 5.3)				
	993.47 0.08 (0.0143)	1101.1 0.2 (0.0070)	1204.35 0.08 (0.2720 3.2)	1269.6 0.6 (0.0018)	1602.5 0.5 (0.0075 6.1)		
	2198.2 0.3 (0.0135)						
AS 76	300.4 0.3 (0.0091)	403.0 0.5 (0.0230)	456.5 0.3 (0.0278)	(A)	AS 76 $\xrightarrow{E-}$ SE 76 26.4 H (N,G),	9.78E+00	
	474.8 0.5 (0.0535)	485.0 0.4 (0.0076)	511. 1. (0.0324)				
	546.0 0.1 (0.0247)	559.28 0.06 (43.7000 3.1)	563.37 0.09 (1.1200 7.9)				
	572.2 0.2 (0.1440)	576.6 0.5 (0.0540 5.8)	639.0 0.7 (0.0038)	657.2 0.1 (5.5600 2.9)	665.4 0.1 (0.2350)		
	695.5 0.4 (0.0066)	726.5 0.5 (0.0154)	740.33 0.09 (0.0874)	754.9 0.5 (0.0007)	772.0 0.2 (0.1000 5.8)		
	797. 1. (0.0065)	809.9 0.1 (0.0147 9.5)	863. 1. (0.0115)	868.1 0.1 (0.1110 5.7)	882.4 0.3 (0.0502)		
	955. 2. (0.0065)	981.6 0.2 (0.0418 7.6)	1101. 3. (0.0071)	1129.8 0.3 (0.1140 8.9)	1213.2 0.1 (1.4200 3.8)		
	1216.4 0.1 (3.2100)	1228.71 0.08 (1.2200 3.5)	1393. 2. (*****)	1439.1 0.2 (0.2590 6.7)	1453.7 0.2 (0.1080 4.1)		
	1533.1 0.4 (0.0248 8.6)	1568.0 0.2 (0.0047)	1611.9 0.6 (0.0098 5.5)	1787.7 0.3 (0.2660 6.7)	1807.0 0.6 (0.0187)		
	1869.9 0.4 (0.0517 5.7)	1883. 2. (0.0922)	1954.9 0.7 (0.0095 7.6)	2096.4 0.3 (0.0510)	2111.1 0.3 (0.2870 7.6)		
	2127. 1. (0.0011)	2173.2 0.6 (0.0032)	2370.1 0.5 (0.0010)	2429.4 0.2 (0.0328 5.4)	2655.2 0.2 (0.0388 9.3)		
	2657.0 0.4 (0.0454 7.0)	2670.0 0.5 (0.0022)					
AS 77	62. 2. (0.0036 4.1)	82. 2. (0.0004)	87.9 0.3 (0.2400 8.6)	(A) GE 77 ==> AS 77	AS 77 $\xrightarrow{E-}$ SE 77 38.5 H (N,F),		8.30E-3
	139.2 0.5 (0.0091)	162.0 0.3 (0.1450)	201. 2. (0.0009)				
	239.0 0.3 (1.4400 1.0)	249.9 0.3 (0.3430 6.7)	271.0 0.3 (0.0070)				
	281.7 0.3 (0.0501 9.1)	439.7 0.8 (0.0007)	520.8 0.3 (0.3710 7.6)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
AS 78	158.4 0.8 (0.0750)	176.3 0.9 (0.1190)	354.6 0.3 (1.8600 8.9)	(A)	AS 78 E- =====> SE 78 1.5 H (N,A), (N,P), (N,F),		2.00E-2
	462.3 0.4 (0.4570)	545.6 0.2 (3.0000 7.2)	552.9 0.8 (0.3020)				
	614.03 0.09 (54.0000 5.9)	686.4 0.2 (1.7100 9.6)	695.0 0.2 (17.6000 6.4)				
	722.0 0.8 (0.1850)	736.2 0.8 (0.1190)	827.7 0.2 (8.1900 7.5)		842.4 0.4 (0.5750)	848.7 0.8 (0.1730)	
	984.6 0.5 (0.6910)	688.8 0.3 (1.4100)	958.3 0.5 (0.5930)		1004.5 0.8 (0.3130)	1079.8 0.3 (1.9500 9.8)	
	1144.6 0.2 (1.9700 7.8)	1199.0 0.2 (0.9130)	1240.3 0.2 (6.4500 7.8)		1290.9 0.8 (0.1080)	1301.1 0.8 (0.0054)	
	1308.7 0.2 (12.8000 9.5)	1339.7 0.5 (0.6950)	1373.0 0.2 (4.3400)		1382.1 0.3 (0.7150)	1435.9 0.8 (0.3240)	
	1475.9 0.8 (0.1100)	1530.0 0.2 (2.8300 9.4)	1634.9 0.8 (0.0810)		1643.1 0.8 (0.2210)	1720.2 0.3 (0.6070)	
	1738.6 0.8 (0.3560)	1792.0 0.4 (1.0700)	1836.1 0.3 (1.6500)		1894.6 0.3 (0.4140)	1921.8 0.2 (1.8000 7.4)	
	1924.1 0.8 (1.5900)	1956.0 0.8 (0.702)	1995.7 0.2 (1.4700)		2068.5 0.3 (0.8640)	2095.3 0.8 (0.3190)	
	2188.5 0.4 (0.5140)	2225.4 0.3 (0.9440)	2613.4 0.8 (0.2480)		2616.8 0.8 (0.6210)	2629.3 0.8 (0.1670)	
	2681.9 0.3 (1.7000)	2759.0 0.6 (0.2430)	2802. 1. (0.5400)		2839.2 0.8 (0.1400)	3098.9 0.8 (0.0843)	
AS 79	95.5 0.5 (8.9700 9.1)	364.5 0.5 (1.0200 3.2)	402.3 0.7 (0.0530)	(A)	AS 79 E- =====> SE 79M* 9.0 M (N,P), (N,PN), (N,F),		5.60E-2
	432.0 0.5 (0.8160 2.0)	446.8 0.5 (0.1430)	476.0 0.5 (0.1960)				
	552.0 0.7 (0.0734)	715.1 0.5 (0.1630)	724. 1. (0.0620)				
	878.5 0.5 (0.0076)	993.4 0.9 (0.0718)					
AS 80	665.8 0.5 (42.0000)	782.4 0.5 (0.7900)	811.3 0.5 (0.4600)	(A)	AS 80 E- =====> SE 80 16.5 S (N,P),		
	960.7 0.5 (0.7100)	1064.7 0.5 (0.1300)	1206.8 0.5 (4.2000)				
	1294.0 0.5 (0.9600)	1415.9 0.5 (0.0840)	1422.7 0.5 (0.0420)				
	1448.8 0.5 (1.0000)	1645.1 0.5 (6.5000 9.6)	1847.8 0.5 (0.9200)		1960.1 0.5 (0.3800)	2156.9 0.5 (0.0840)	
	2461.3 0.5 (0.2100)	2514.0 0.5 (0.1700)	2774.2 1.0 (0.2900)		2836.2 1.0 (0.2500)	2940.3 1.0 (0.0840)	
	3024.0 2.0 (0.0840)	3060.8 2.0 (0.0420)					
AS 82	165.7 0.7 (2.4000)	343.5 0.1 (40.0000)	560.5 0.8 (11.0000)	(R)	AS 82 E- =====> SE 82 19. S (N,A), (N,P), (N,F),		2.40E-1
	654.8 0.2 (100.0000)	815.5 1.0 (6.0000)	818.7 0.5 (16.0000)				
	902.7 0.8 (1.6000)	1076.2 0.4 (10.0000)	1080.4 0.2 (20.0000)				
	1541. 1. (5.6000)	1719. 1. (2.4000)	1731.4 0.4 (31.0000)		1896.0 0.4 (25.0000)	1971.0 1.0 (5.2000)	
	2355.5 1. (3.2000)	2514.3 0.5 (4.4000)	2590.1 1. (4.0000)		2605.3 1. (5.2000)	2723. 1. (*****)	
	2934.0 1. (4.8000)	3149.5 1.5 (4.0000)	3666. 3. (4.0000)				
AS 83					AS 83 E- =====> SE 83 * 14.1 S		
AS 84					AS 84 E- =====> SE 84 * 5.8 S		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (C/G)	FISS. Y. (U 235)
SE 73M	84.5 0.1 (5.6000)	129.4 0.3 (0.1300)	180.6 0.2 (1.3000 6.8)	(R)	SE 73M $\xrightarrow{E+}$ AS 73 * 43. M (A,N),		
	253.8 0.1 (66.7000)	262.4 0.5 (0.5100)	309.9 0.5 (0.4500)				
	320.4 0.1 (2.6000)	393.3 0.2 (4.9000)	401.6 0.1 (3.8000)				
	442.7 0.5 (0.0530)	490.2 0.6 (0.1000)	511.006 0.002 (100.0000)	571.2 0.2 (0.8000)	577.5 0.1 (2.9000 6.6)		
	588.7 0.5 (0.1500)	655.7 0.2 (0.5300)	703.1 0.5 (0.1700)	724.5 0.4 (0.1900)	769.3 0.6 (0.5300)		
	823.6 0.4 (0.2900)	833.3 1.0 (0.2500)	850.5 0.4 (0.5500)	901.1 0.5 (0.1000)	935.1 0.5 (0.0400)		
	993.6 0.3 (0.2500)	1002.7 0.3 (0.1900)	1020.8 0.3 (0.1700)	1077.8 0.2 (1.8000)	1087.1 0.6 (0.1300)		
	1215.4 0.8 (0.0270)	1232.3 0.6 (0.0630)	1301.7 0.3 (0.1800)				
SE 73	67.0 0.1 (73.0000)	360.9 0.1 (100.0000)	442.7 0.5 (0.0600)	(A)	SE 73 $\xrightarrow{E+}$ AS 73 * 7.1 H (A,N),		
	511.006 0.002 (128.0000)	692.0 0.8 (0.0900)	699.9 1.0 (0.0400)				
	764.4 0.8 (0.1400)	782.9 0.8 (0.0600)	818.4 0.8 (0.0400)				
	847.2 0.8 (0.0800)	864.9 0.5 (0.5500)	901.1 0.5 (0.1500)	968.1 0.8 (0.0200)	982.5 0.8 (0.0300)		
	1110.8 0.5 (0.1900)	1215.4 0.8 (0.0600)	1340.7 0.9 (0.0900)	1422.5 0.5 (0.1400)	1482.3 1.0 (0.0300)		
	1548.0 0.8 (0.0400)						
SE 75	24.48 0.06 (0.2600)	66.04 0.01 (0.9700 2.2)	80.91 0.02 (0.0200)	(A)	SE 75 $\xrightarrow{EC}$ AS 75 5.38E-01 120.4 D (N,G), (D,2N), (P,N),		
	96.73 0.002 (0.1600 1.6)	121.115 0.002 (6.2000 2.5)	136.000 0.004 (55.6000 1.1)				
	198.596 0.007 (1.3800 2.2)	264.561 0.007 (59.1000 0.3)	279.527 0.007 (25.0000 1.2)				
	303.911 0.007 (1.3600 1.6)	400.644 0.008 (12.4000 2.4)	419.2 0.3 (0.0200)	572.2 0.2 (0.3700 2.7)	617.5 0.4 (0.0076)		
SE 77M	161.9 0.2 (50.0000)			(A)	SE 77M $\xrightarrow{IT}$ SE 77 4.09E+00 17.5 S (N,G),		
SE 79M	95.9 0.2 (9.6000)			(A) AS 79 ==>	SE 79M $\xrightarrow{IT}$ SE 79 * 1.84E-01 3.9 M (N,G),		
SE 81M	103.1 0.1 (8.1000)	260.1 0.1 (0.0140)	275.90 0.07 (0.6600)	(A)	SE 81M $\xrightarrow{IT}$ SE 81 * 8.22E-02 57. M (N,G),		
	492.4 1.0 (0.0001)	767.3 1.0 (0.0004)	1146. 2. (0.2800)				
SE 81	178.3 0.1 (0.0170)	275.90 0.07 (1.8000)	290.05 0.04 (1.5000)	(A) AS 81 ==>	SE 81 $\xrightarrow{E-}$ BR 81 5.44E-01 2.20E-1 18. M (N,G), (N,F),		
	538.22 0.09 (0.1200)	552.44 0.09 (0.2300)	566.03 0.05 (0.5300)				
	649.60 0.09 (0.0620)	828.28 0.05 (0.6900)					
SE 83M	226. (2.0000)	256. (0.3400)	324. (1.3000)	(R)	SE 83M $\xrightarrow{E-}$ BR 83 * 9.47E-03 69. S (N,G),		
	356. (68.0000)	384. (0.7400)	444. (1.6000)				
	454. (0.6400)	513. (2.0000)	676. (58.0000)				
	702. (1.6000)	801. (2.1000)	883. (2.0000)	912. (0.6800)	989. (65.0000)		
	1031. (100.0000)	1063. (19.0000)	1116. (3.1000)	1563. (4.1000)	1664. (9.5000)		
	2054. (45.0000)	2147. (0.7400)	2296. (0.4700)				

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
SE 83	224.9 0.2 (44.0000)	356.6 0.2 (100.0000)	457. 2. (4.8000)	(A) AS 83	==> SE 83 E- =====> 23. H (N,G); (N,F);	BR 83 * 7.58E-04	5.20E-1
	487. 2. (3.6000)	510.1 0.4 (61.0000)	554. 2. (4.2000)				
	572. 2. (5.9000)	666. 2. (3.6000)	717.9 0.4 (3.0000)				
	798.6 0.4 (2.0000)	867.5 0.7 (12.0000)	886. 2. (12.0000)	1064. 2. (8.0000)	1082. 2. (3.0000)		
	1192. 2. (6.0000)	1299. 2. (12.0000)	1319. 2. (6.0000)	1344. 2. (8.0000)	1355. 2. (4.0000)		
	1421. 2. (1.0000)	1558. 2. (4.0000)	1784. 2. (4.0000)	1830. 2. (1.8000)	1855. 2. (4.0000)		
	1879. 2. (2.0000)	1897. 2. (12.0000)	2088. 2. (1.0000)	2291. 2. (17.0000)	2338. 2. (5.0000)		
	2421. 2. (1.0000)						
SE 84	406. 3. (*****)			(R)	SE 84 E- =====> 210. S (N,F);	BR 84 *	9.70E-1
SE 87					SE 87 E- =====> 5.9 S (N,F);	BR 87 *	2.50E+0
SE 88					SE 88 E- =====> 1.3 S (N,F);	BR 88 *	3.58E+0
BR 74	219.0 0.1 (5.1400)	368.2 0.6 (0.5140)	511.006 0.002 (*****)	(R)	BR 74 E+ =====> 43.7 H SE 74		
	521. 1. (0.7710)	615.1 0.2 (5.5700)	634.6 0.2 (100.0000)				
	679.0 0.2 (0.6860)	728.3 0.2 (34.7000)	744.8 0.2 (1.8000)				
	777.6 0.4 (0.6000)	839.0 0.2 (4.3700)	850.7 0.3 (0.6000)	868.6 0.4 (0.5140)	935.6 0.9 (0.3430)		
	985.1 0.4 (3.6000)	1045.5 0.5 (0.4280)	1080.8 0.4 (0.8570)	1200.6 0.3 (4.8000)	1249.6 0.2 (5.8300)		
	1269.1 0.2 (8.1400)	1295.0 0.4 (2.4500)	1366.6 0.2 (2.1400)	1421.8 0.6 (0.7710)	1456. 1. (1.8000)		
	1474. 1. (1.6300)	1649.5 0.8 (0.3430)	1679.9 0.6 (0.8570)	1714.6 0.4 (5.8300)	1838. 2. (0.6000)		
	1844. 2. (0.8570)	1890. 2. (0.5140)	1930. 2. (0.7710)	1953. 2. (0.3430)	2029. 2. (0.4280)		
	2184. 2. (1.2900)	2284. 2. (1.9700)	2312.5 0.5 (3.2600)	2334. 2. (0.8570)	2388. 2. (1.3700)		
	2661. 2. (0.7710)	2701. 2. (1.7100)	3040. 2. (1.1100)	3137. 2. (0.6860)	3154. 2. (0.7710)		
	3174. 2. (1.0300)	3228. 2. (0.6000)	3250. 2. (0.5140)	3298. 2. (1.9700)	3324. 2. (0.2570)		
	3337. 2. (0.6860)	3393. 2. (0.6860)	3431. 2. (1.0300)	3516. 2. (0.5140)	3627. 2. (0.4290)		
	3808. 2. (0.9430)	3862. 1. (1.9700)	3883. 2. (0.9430)	3957. 2. (4.1100)	4028. 2. (1.1100)		
	4065. 5. (0.1710)	4345. 5. (0.1710)	4384. 5. (0.3430)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
BR 75	112.1 0.1 (1.7000)	141.2 0.1 (6.8000)	195.5 0.5 (0.0900)	(A)	BR 75 ^{E+} ===== SE 75 * 101.5 H (D,N),		
	236.1 0.1 (0.8100)	286.5 0.2 (90.0000)	292.9 0.1 (2.7000)				
	299.4 0.2 (0.2400)	309.4 0.3 (0.0900)	315.6 0.2 (0.6200)				
	319.7 0.3 (0.0990)	325.4 0.2 (0.2400)	349.2 0.2 (0.1800)	377.4 0.1 (4.0000)	427.8 0.1 (4.5000)		
	431.8 0.1 (4.0000)	460.9 0.4 (0.1200)	467.3 0.4 (0.1300)	484.4 0.2 (0.2900)	488.1 0.3 (0.1800)		
	490.7 0.2 (0.3300)	511.006 0.002 (150.0000)	514.0 0.5 (0.0900)	534.8 0.3 (0.1400)	551.7 0.2 (0.3100)		
	566.4 0.1 (0.4600)	572.9 0.1 (2.0000)	579.8 0.3 (0.0900)	586.1 0.2 (0.1900)	598.2 0.2 (0.3300)		
	608.9 0.1 (1.7000)	646.1 0.3 (0.1500)	652.2 0.3 (0.1400)	659.1 0.2 (0.3600)	663.8 0.3 (0.1200)		
	676.6 0.3 (0.1200)	701.6 0.2 (0.1900)	733.9 0.1 (1.6000)	770.8 0.2 (0.4800)	781.0 0.3 (0.1100)		
	788.7 0.2 (0.3400)	859.3 0.2 (0.2400)	890.7 0.3 (0.2500)	897.6 0.2 (0.5100)	912.1 0.2 (1.0000)		
	946.2 0.3 (0.1400)	952.1 0.2 (1.7000)	959.0 0.4 (2.7000)	961.4 0.3 (0.4500)	974.9 0.4 (0.0090)		
	1074.2 0.4 (0.1100)	1146.5 0.2 (0.1500)	1245.5 0.2 (0.4900)	1380.5 0.3 (0.1200)	1448.9 0.2 (0.3300)		
	1515.8 0.3 (0.1200)	1561.0 0.3 (0.1300)					
BR 76	400. 2. (0.3400)	472.8 0.4 (1.7000)	490. 2. (0.3900)	(A)	BR 76 ^{E+} ===== SE 76 16. H		
	511.006 0.002 (133.0000)	559.4 0.4 (70.0000)	572.0 0.5 (0.3500)				
	599.8 0.4 (0.5700)	605. 1. (0.2700)	636. 2. (0.0700)				
	657. 0.4 (14.0000)	665. 2. (0.3200)	682.8 0.4 (0.4300)	698. 2. (0.4200)	726.1 0.5 (0.4900)		
	730. 2. (0.6100)	740. 1. (0.1100)	773. 2. (0.3900)	790. 1. (0.4200)	804. 1. (0.5200)		
	832.0 0.5 (3.2000)	862. 2. (0.1800)	867.8 0.4 (0.3200)	882.9 0.5 (0.5000)	903. 1. (0.1900)		
	943. 1. (0.1800)	981.8 0.4 (0.3500)	1026.8 1.6 (0.5500)	1033. 2. (0.5300)	1040. 2. (0.1100)		
	1130. 1. (4.4000)	1145. 2. (0.0490)	1158. 2. (0.1300)	1161. 0.9 (0.1500)	1193. 2. (0.0980)		
	1213. 2. (0.6700)	1216.3 0.7 (9.1000)	1229. 1. (2.1000)	1280. 2. (0.0700)	1298. 2. (0.0840)		
	1302. 2. (0.1600)	1342.0 1.0 (0.5600)	1372. 2. (0.5500)	1381. 0.9 (2.4000)	1428. 1. (0.2800)		
	1439.5 0.7 (0.5700)	1456.5 0.7 (0.7100)	1461. 2. (0.1300)	1471. 1. (2.1000)	1489.0 1.0 (2.7000)		
	1538. 2. (0.1600)	1560.0 1. (0.4600)	1568. 1. (0.9800)	1613. 2. (0.3200)	1642. 3. (0.1300)		
	1661. 2. (0.1300)	1672. 1. (0.2200)	1743. 2. (0.1100)	1771.6 0.9 (0.5700)	1788. 1. (0.5900)		
	1834. 1. (0.0910)	1852.5 0.7 (14.0000)	1868. 1. (0.1400)	1883. 2. (0.1300)	1901. 2. (0.1100)		
	1944. 1. (0.5200)	1956. 1. (0.3300)	1976. 1. (0.1800)	2071. 2. (0.4600)	2082. 2. (0.1100)		
	2096.2 1. (1.3000)	2111.2 1. (0.2500)	2127. 2. (0.2500)	2134.4 2. (0.9500)	2235. 2. (0.1300)		
	2299. 2. (0.1300)	2303. 2. (0.1300)	2391.4 1.2 (4.7000)	2430.0 2. (0.1400)	2480. 2. (0.1500)		
	2508.2 1. (1.9000)	2599. 1. (0.6700)	2627. 2. (0.1200)	2655. 3. (0.0840)	2793.4 1.2 (5.6000)		
	2837. 3. (0.1100)	2844. 3. (0.1400)	2890.0 2.0 (0.4900)	2900. 2. (0.1700)	2947. 2. (1.0000)		
	2949. 2. (6.6000)	2987.5 3.7 (0.0840)	2997. 2. (0.9100)	3158. 2. (0.2600)	3351. 2. (0.1800)		
	3368. 2. (0.1100)	3410. 3. (0.3000)	3525. 2. (0.1700)	3602.9 2.6 (1.6000)	3638. 2. (0.1100)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
BR 77	88. 1. (2.5000 6.7)	162. 1. (1.5000 9.1)	181. 1. (0.3000 9.1)	(A)	BR 77 EC ===== SE 77 57. H		
	200. 1. (1.4000)	239. 1. (28.0000)	250. 1. (2.9000 7.8)				
	271. 1. (0.3000 9.1)	282. 1. (2.3000 8.4)	297. 1. (4.2000 6.0)				
	304. 1. (1.1000)	331. 1. (0.0670)	378. 1. (0.0720)			386. 1. (0.8300 6.7)	440. 1. (1.5000 5.5)
	485. 1. (0.9700 8.6)	511.006 0.002 (2.1000 9.2)	520. 1. (24.0000 7.1)			566. 2. (0.1700)	568. 1. (1.4000 7.7)
	574. 1. (1.2000)	579. 2. (2.9000 8.7)	585. 1. (1.6000)			608. 2. (0.0110)	663. 1. (0.0830)
	705. 2. (0.0140)	756. 1. (1.7000 8.2)	766. 1. (0.0550)			818. 1. (2.0000 8.2)	885. 2. (0.0190)
	991. 2. (0.0360)	996. 2. (0.0140)	1004. 1. (0.9100 6.1)				
BR 78	511.006 0.002 (184.0000)	613.9 0.2 (14.0000)	694.8 0.3 (0.0980)	(A)	BR 78 E+ ===== SE 78 6.5 H		
	884.5 0.2 (0.0660)	990.6 0.8 (0.0280)	1000.1 1.0 (0.0280)		(A,N), (P,N), (D,N),		
	1011.4 1.5 (0.0140)	1016.2 1.0 (0.0420)	1020.3 0.6 (0.0700)				
	1144.6 0.2 (0.0220)	1228.9 0.6 (0.0140)	1308.1 0.2 (0.0440)			1720.6 0.2 (0.0480)	1922.6 0.2 (0.0460)
	1993.7 0.8 (0.0030)	2282.7 1.0 (0.0030)	2391.3 1.0 (0.0030)			2476.3 0.4 (0.0170)	2538.0 1.0 (0.0060)
	2639.0 1.0 (0.0030)						
BR 79H	208. 1. (78.1000)			(A)	BR 79H IT ===== BR 79 4.875		
					(N,N),		
BR 80H	37.052 0.002 (36.0000)	48.85 (0.3400)		(A)	BR 80H IT ===== BR 80 * 2.78E+00 4.4 H		
					(N,G),		
BR 80	511.006 0.002 (5.0000)	617.0 0.2 (6.0000)	639.9 0.5 (0.1900)	(A)	BR 80 E- ===== KR 80 8.44E+00 17.6 H		
	665.7 0.2 (1.0000)	704.1 0.3 (0.1500)	813. (0.0300)				
	1256.6 0.2 (0.0690)						
BR 82H	92.19 0.02 (0.0002)	698.32 0.02 (0.0240 3.2)	711.1 0.2 (0.0012)	(A)	BR 82H IT ===== BR 82 3.02E+00 6.1 H		
	735.6 (0.0001)	776.49 0.04 (0.2000 2.4)	1072.57 (0.0012 6.3)		(N,G),		
	1081.4 (0.0003)	1180.10 (0.0031 3.7)	1474.82 0.08 (0.0160 0.4)				
	1779.6 0.5 (0.0001)	1956.5 (0.0014 7.1)					
BR 82	92.184 0.007 (0.7450)	100.90 0.02 (0.0740)	129. 1. (0.0298)	(A)	BR 82 E- ===== KR 82 2.62E-01 35.4 H		
	137.40 0.03 (0.1580)	180. 1. (0.0099)	221.45 0.02 (2.2800)		(N,G),		
	273.45 0.02 (0.8180)	281. 1. (0.0124)	333. 1. (0.0896 5.2)				
	346. 1. (0.0041 2.0)	401.12 0.02 (0.0920)	470. 1. (0.0456)			554.33 0.01 (70.4000)	600. 1. (0.0132)
	606.33 0.04 (1.2300)	619.07 0.01 (43.8000)	625.5 0.5 (0.0249)			693. 1. (0.0099 2.1)	698.34 0.01 (29.3000)
	711.1 0.2 (0.4150 2.5)	727. 1. (0.0041 2.0)	735.62 0.02 (0.0760)			776.50 0.02 (83.2000 3.4)	827.81 0.02 (25.5000)
	835. 1. (0.0249)	932. 1. (0.0099)	952.12 0.02 (0.3760)			1007.57 0.09 (1.4000)	1043.97 0.02 (29.0000)
	1072.57 0.02 (0.0835)	1081.35 0.02 (0.6240)	1174. 1. (0.0174)			1180.10 0.02 (0.0874)	1317.44 0.02 (28.6000)
	1353. 1. (0.0830 2.5)	1426. 1. (0.1080)	1474.84 0.03 (16.6000 2.0)			1650.29 0.02 (0.7970)	1779.58 0.02 (0.1200)
	1871.6 0.2 (0.3570)	1874. 1. (0.0500)	1956.50 0.02 (0.0600)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS-Y. (U 235)
BR 83	32.0 0.5 (*****)	118.9 0.4 (*****)	127.9 0.5 (*****)	(A) SE 83	==> BR 83 E- ===== 2.4 H (N,F),	KR 83	5.20E-1
	520.7 0.4 (0.0812 3.5)	529.5 0.3 (1.4000)	552.5 0.3 (0.0231 3.0)				
	648.4 0.3 (0.0136 4.1)	680.6 0.4 (0.0039 2.6)					
BR 84H	424.0 (100.0000)	447.0 (3.0000)	881.6 (98.0000)	(R) SE 84	==> BR 84H E- ===== 6.0 H (N,A), (N,F),	KR 84	9.70E-1
	1016.0 (1.0000)	1462.8 (97.0000)	1897.7 (2.0000)				
BR 84	230.2 0.2 (0.3220 8.4)	339.9 0.4 (0.0807 9.6)	354.8 0.2 (0.2960 8.4)	(A)	BR 84 E- ===== 32. H (N,F), (N,A),	KR 84	9.70E-1
	382.0 0.2 (0.5480 8.6)	447.4 0.6 (0.0417 5.8)	561.4 0.5 (0.0833)				
	604.8 0.3 (1.6300 8.5)	688.7 0.7 (0.0917)	736.6 0.3 (1.1000 9.3)				
	802.2 0.2 (5.9800 7.5)	881.6 0.1 (41.7000 2.9)	947.7 0.6 (0.3710 9.6)	956. 2. (0.0625)	987.3 0.3 (0.7560 8.8)		
	1005.7 0.7 (0.4540)	1015.9 0.3 (6.0800 7.4)	1082.6 0.4 (0.1420)	1119.1 0.4 (0.1420)	1143. 1. (0.0329)		
	1185.0 0.7 (0.1080)	1213.3 0.2 (2.3800 7.8)	1255.5 0.6 (0.0458)	1289.0 0.2 (0.0678)	1438.0 0.7 (0.0625)		
	1463.1 0.5 (1.6400 9.2)	1534.7 0.6 (0.1600)	1578.1 0.4 (0.3560)	1607.7 0.4 (0.2710)	1741.0 0.4 (1.3300)		
	1779.6 0.7 (0.0625)	1807.8 0.8 (0.0417)	1818.7 0.4 (0.2420)	1877.3 0.3 (1.2700 9.7)	1897.6 0.2 (14.1000 7.4)		
	1970. 1. (6.2500)	2029.7 0.5 (1.9500 9.3)	2094.2 0.5 (0.2130)	2200.8 0.3 (0.8630)	2219. 1. (0.0667)		
	2304. 1. (0.2090)	2484.2 0.3 (6.0900 8.1)	2593.7 0.6 (0.1380)	2622.9 0.5 (0.3000)	2758.8 0.5 (0.3950)		
	2824.1 0.3 (1.1300 8.6)	2988.7 0.7 (0.1750)	3045.7 0.4 (2.0400)	3235.5 0.4 (1.8200 8.9)	3366.0 0.3 (2.6100 8.8)		
	3927.5 0.3 (6.7300 7.5)	4084.5 0.5 (0.2220)	4116. 2. (0.0039)				
BR 85	801.6 0.5 (25.0000)	832.0 0.5 (100.0000)	925.1 0.5 (21.0000)	(R)	BR 85 E- ===== 3. H (N,F),	KR 85H*	1.30E+0
BR 86	499.8 0.4 (0.3900)	749.5 0.7 (0.7150)	785.1 0.2 (4.2900 9.1)	(A) SE 86	==> BR 86 E- ===== 59. S (N,P), (N,F),	KR 86	2.50E+0
	803.5 0.3 (2.8600)	1217.2 0.1 (7.8000)	1285.8 0.1 (7.2800)				
	1361.7 0.1 (11.7000 7.8)	1389.8 0.1 (10.5000 8.7)	1464.9 0.3 (5.5900 9.3)				
	1534.6 0.3 (12.1000 7.5)	1564.61 0.06 (65.0000)	1768.5 0.6 (1.3700)	1966.1 0.3 (7.5400)	2349.5 0.2 (9.8800 8.6)		
	2751.2 0.3 (20.7000)	2925.9 0.4 (2.2800)	5406.6 0.5 (4.0300)	5519.0 0.9 (2.8600)	6210. 1. (0.9100)		
BR 87	1420. 3. (100.0000)	2576. 3. (47.0000)	4077. 2. (3.1000)	(R) SE 87	==> BR 87 E- ===== 55.4 S (N,F),	KR 87 *	2.50E+0
	4174. 2. (5.7000)	4777. 2. (2.2000)	4956. 2. (2.3000)				
BR 88	15. (*****)	26. (*****)	75. (42.0000)	(R) SE 88	==> BR 88 E- ===== 16. S (N,F),	KR 88	3.58E+0
	111. (100.0000)	175. (57.0000)	216. (98.0000)				
	287. (43.0000)	320. (*****)	390. (12.0000)				
	528. (50.0000)	785. (30.0000)	1090. (23.0000)				
BR 90					BR 90 E- ===== 1.63S (N,F),	KR 90 *	5.77E+0
BR 91					BR 91 E- ===== 0.65S (N,F),	KR 91 *	5.90E+0

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
BR 92					BR 92 $\xrightarrow{E-}$ KR 92 * 0.255 (N,F),		6.03E+0
KR 76	35.6 0.2 (0.0800)	40.0 0.5 (0.0500)	45.5 0.2 (17.9000)	(A)	KR 76 $\xrightarrow{EC}$ BR 76 * 14.8 H		
	57.2 0.2 (0.0500)	63.6 0.2 (0.0600)	91.1 0.2 (0.1900)				
	103.3 0.2 (3.0400)	104.9 0.2 (0.1500)	134.9 0.2 (2.3100)				
	136.4 0.2 (0.9800)	150.5 0.2 (0.1800)	166.7 0.2 (0.1500)		192.0 0.4 (0.0400)	199.8 0.2 (1.0700)	
	214.5 0.3 (0.2800)	232.7 0.3 (0.0500)	234.7 0.3 (0.1200)		252.0 0.2 (5.8000)	270.2 0.2 (19.5000)	
	271.6 0.2 (4.1000)	295.0 0.3 (0.1800)	299.0 0.2 (0.7900)		300.2 0.2 (0.4000)	309.8 0.2 (2.3500)	
	315.7 0.2 (35.8000)	355.3 0.2 (4.5100)	364.0 0.3 (0.5400)		406.5 0.2 (11.0000)	431.6 0.4 (0.0700)	
	446.2 0.3 (0.3600)	451.9 0.2 (9.0000)	459.4 0.5 (0.0400)		484.5 0.4 (0.0600)	490.2 0.4 (0.1700)	
	499.6 0.3 (0.4300)	543.2 0.4 (0.2700)	548.5 0.4 (0.1800)		552.5 0.3 (1.5500)	576.0 0.3 (0.1100)	
	581.5 0.3 (0.4700)	582.5 0.3 (1.0400)	619.5 0.4 (0.1400)		730.8 0.4 (0.1800)	795.8 0.4 (0.2700)	
	822.5 0.6 (0.2300)	853.0 0.5 (0.1300)	868.2 0.5 (0.2300)		891.0 0.5 (0.1100)	898.5 0.5 (0.1500)	
	911. 1. (0.1100)	936. 1. (0.1000)	1002. 1. (0.1100)				
KR 77	106.0 0.3 (1.2900)	129.7 0.1 (83.6000)	146.5 0.1 (39.4000)	(A)	KR 77 $\xrightarrow{E+}$ BR 77 * 1.2 H		
	162.0 0.3 (0.2520)	276.1 0.2 (3.0900)	312.1 0.2 (3.4000)				
	511.006 0.002 (158.0000)	588.2 0.3 (0.1170)	606.7 0.8 (0.2940)				
	734.6 0.2 (0.3530)	748.1 0.3 (0.2840)	837.2 0.3 (0.1050)		860.9 0.3 (0.1670)	864.4 0.3 (0.0418)	
	894.7 0.3 (0.0873)	991.5 0.3 (0.0602)	1031.3 0.5 (0.0175)		1158.2 0.5 (0.0468)	1299.6 0.4 (0.3280)	
	1446.5 0.6 (0.1090)	1480. 1. (0.0125)	1575.8 0.4 (0.0276)		1999. 1. (0.0234)	2032. 2. (0.0050)	
	2064. 1. (0.0100)	2068. 1. (0.0142)	2129. 1. (0.0142)		2335. 2. (0.0133)		
KR 79	44.5 0.4 (0.1200)	136.0 0.2 (0.6000)	180.4 0.3 (0.9000)	(A)	KR 79 $\xrightarrow{EC}$ BR 79 34.9 H (N,G), (P,N), (D,2N),		
	208.5 0.2 (0.7000)	217.2 0.1 (1.8000)	261.4 0.1 (11.0000)				
	299.7 0.2 (1.3000)	306.6 0.2 (2.2000)	345.0 0.4 (0.1300)				
	389.1 0.2 (1.4000)	397.5 0.1 (8.0000)	434.7 0.5 (0.0330)		506.6 1.0 (0.0770)	511.006 0.002 (15.0000)	
	522.8 0.3 (0.3000)	525.2 0.4 (0.3000)	606.0 0.2 (8.0000)		615.0 0.5 (0.1100)	651.3 0.5 (0.0099)	
	715.4 0.5 (0.0150)	726.2 0.2 (0.0400)	734.1 0.4 (0.0070)		809.0 0.2 (0.1300)	832.0 0.2 (1.2000)	
	851.2 0.5 (0.0330)	871.0 0.5 (0.0044)	895.6 0.5 (0.0090)		915.1 0.5 (0.0044)	935.0 0.2 (0.1100)	
	1025.8 0.2 (0.1300)	1071.1 0.2 (0.0800)	1115.0 0.2 (0.3300)		1131.6 0.4 (0.0330)	1195.4 0.5 (0.0022)	
	1240.2 0.5 (0.0009)	1332.2 0.2 (0.3500)	1501.6 0.5 (0.0001)		1573.7 0.5 (0.0004)		
KR 81M	190. (65.0000)			(A)	KR 81M $\xrightarrow{IT}$ KR 81 13. S		
KR 85M	150.99 0.05 (74.0000 3.3)	304.47 0.05 (14.0000 4.)		(A) BR 85 ==>	KR 85M $\xrightarrow{E-}$ RB 85 4.4 H (N,G), (N,F), (A,N),	1.11E-01	1.30E+0
KR 85	513.99 0.02 (0.4350 3.0)			(A) BR 85 ==>	KR 85 $\xrightarrow{E-}$ RB 85 10.73A (N,G), (N,F),	4.64E-02	1.30E+0

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
KR 87	129.4 0.3 (0.0530 9.6)	402.8 0.3 (53.0000)	509.5 0.5 (0.0530)	(A) BR 87 ==>	KR 87 E- =====> 76. M	2.02E-02	2.50E+0
	552.1 0.4 (0.0280)	582.0 0.6 (0.0190)	673.9 0.3 (1.8000 3.6)		(N,F),		
	* 814.4 0.3 (0.1600 6.3)	836.4 0.3 (0.7700 3.0)	845.7 0.3 (7.5000 5.6)				
	894.2 0.4 (0.0410 7.3)	901.5 0.6 (0.0230)	947.0 0.3 (0.1200 4.2)	976.7 0.4 (0.0580 8.6)	1063.3 0.6 (0.0340)		
	1175.5 0.2 (1.1000 5.5)	1338.2 0.2 (0.6000 5.1)	1382.8 0.3 (0.3000)	1389.8 0.2 (0.1200 8.3)	1461.2 0.4 (0.0530)		
	1531.2 0.4 (0.3500)	1578.3 0.4 (0.1200 4.2)	1611.3 0.4 (0.0870)	1740.4 0.2 (2.0000 2.8)	2011.9 0.2 (2.9000 3.3)		
	2378.6 1.0 (0.0870)	2408.4 0.3 (0.2300 1.2)	2554.5 0.2 (9.2000 4.5)	2557.7 0.3 (4.9000 7.2)	2651.7 0.5 (0.0340)		
	2811.2 0.3 (0.3000)	2960.2 0.5 (0.0530)	3055.1 0.5 (0.0820)	3308.3 0.5 (0.5000 8.1)			
KR 88	28. 1. (*****)	166.0 1.0 (6.8000 5.9)	196.1 0.5 (37.8000 5.3)	(A) BR 88 ==>	KR 88 E- =====> 2.86H		3.58E+0
	240.4 1.0 (0.3000)	362.6 1.0 (3.0000)	390.4 1.0 (0.6000)		(N,F),		
	472.3 1.0 (0.6000)	789.0 1.0 (0.4000)	834.7 0.5 (13.0000 4.6)				
	862.4 1.0 (0.5300)	884.5 2.0 (0.0700)	945.2 1.0 (0.2600)	962.2 1.0 (0.0700)	986.7 1.0 (1.6000)		
	1017.6 2.0 (0.1100)	1039.6 1.0 (0.4000)	1049.5 1.0 (0.1000)	1090.4 2.0 (0.0700)	1141.7 1.0 (1.7000 8.8)		
	1179.5 1.0 (0.7500)	1185.1 1.0 (0.5700)	1213.0 2.0 (0.2000)	1245.6 2.0 (0.3000)	1250.0 1.0 (1.1000)		
	1352.5 1.0 (0.2000)	1406.9 2.0 (0.2000)	1518.5 2.0 (1.5000 6.7)	1529.8 1.0 (11.3000 5.3)	1603.8 2.0 (0.2000)		
	1909.1 2.0 (0.1100)	2029.5 2.0 (4.8000 6.3)	2035.3 2.0 (4.8000 6.3)	2186.8 2.0 (0.1500)	2195.9 0.5 (14.9000 5.4)		
	2231.6 1.0 (3.6000 5.6)	2352.4 2.0 (0.2000)	2392.0 0.5 (37.8000 5.3)	2409.4 2.0 (0.0700)	2549.0 2.0 (0.2600)		
KR 89	122.7 0.6 (0.9250)	220.9 0.1 (25.0000 4.6)	242. 1. (0.4250)	(A) BR 89 ==>	KR 89 E- =====> 190.7 S		4.76E+0
	264.3 0.3 (0.8800 9.7)	338.6 0.4 (0.3610)	345.3 0.2 (1.4400)		(N,F),		
	356.4 0.2 (5.0700)	365.3 0.2 (0.9840)	369.7 0.2 (1.5800)				
	411.9 0.2 (2.3500)	438.4 0.3 (1.1500)	465.7 0.4 (0.3320)	466.5 0.4 (0.9250)	491.4 0.5 (0.2500)		
	497.8 0.2 (7.7200)	498.6 0.2 (1.9400)	539.4 0.8 (0.9250)	577.2 0.2 (6.4300)	586.1 0.2 (19.7000 6.2)		
	599.5 0.4 (0.3500)	626.3 0.3 (0.9260)	629.7 0.5 (0.4250)	696.3 0.4 (2.0400 7.4)	707.3 0.5 (0.7530 6.5)		
	710.0 0.5 (1.0300)	711.0 0.5 (0.6750)	738.5 0.2 (4.7000 9.3)	762.7 0.5 (1.0000)	763.3 0.5 (0.5750)		
	776.5 0.4 (0.7860)	827.1 0.5 (0.7820)	834.4 0.6 (0.9000)	836.6 0.6 (0.8750)	846.7 0.6 (0.6500)		
	867.2 0.2 (0.8460)	887.9 0.6 (0.8000)	890. 1. (0.3750)	895. 1. (0.3750)	897.0 0.6 (0.6000)		
	903.5 0.4 (1.6800)	904.5 0.2 (8.2500)	930.6 0.6 (0.6210)	931.9 0.6 (0.7000)	946.6 0.6 (0.5750)		
	962. 2. (0.5750)	974.4 0.7 (0.5350)	976.4 0.6 (0.6000)	999.4 0.7 (0.8650)	1038.5 0.8 (0.4000)		
	1104.0 0.9 (1.2100)	1107.9 0.5 (3.3300)	1116.7 0.4 (1.5600)	1119.6 0.7 (0.4750)	1173.1 0.5 (0.9680)		
	1236.2 0.7 (0.6750)	1274.1 0.5 (0.3980)	1324.4 0.4 (2.7900)	1412.3 0.8 (0.3180)	1422.0 0.8 (0.3250)		
	1473.0 0.4 (0.9210)	1501.2 0.5 (1.2900)	1530.3 0.9 (5.1100 8.7)	1534.0 0.5 (7.0500)	1634.8 0.7 (1.1100)		
	1644.4 0.8 (0.4500)	1694.3 0.5 (5.9300 7.1)	1778. 1. (1.3300)	1840.3 0.8 (0.7000)	1903.3 0.8 (1.3100)		
	1939. 1. (1.1300)	2012.1 0.9 (2.4400)	2020.6 0.9 (0.4900)	2100.7 0.7 (1.4000)	2160.0 0.8 (0.7750)		
	2353. 2. (0.3500)	2378.2 0.8 (0.5790)	2401.5 0.8 (1.1500)	2511. 2. (0.3000)	2646. 1. (0.7340)		
	2783.4 0.8 (1.1800)	2795. 1. (1.1000)	2867.2 0.8 (0.5180)	2873. 1. (0.3250)	2879. 1. (0.7500)		
	3029. 2. (0.5500)	3110. 1. (0.4250)	3142.2 0.9 (1.1700)	3220. 1. (0.3960)	3363.1 0.9 (1.3500)		
	3373. 1. (0.9000)	3534.1 0.6 (1.8000)	3584.9 0.8 (0.4500)	3719.3 0.6 (0.8010 3.6)	3732.8 0.9 (0.3060)		
	3783. 1. (0.3750)	3924.1 0.9 (0.3500)	3966. 2. (0.1930)	3978. 1. (0.3800)	4341. 1. (0.2500)		

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NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
KR 94					E- ====> 0.20S (N,F),	RB 94 *	6.48E+0
RB 77	66.6 0.6 (100.0000)	150.1 0.3 (7.5000)	178.9 0.2 (38.0000)	(R)	RB 77 3.9 H	KR 77 *	
	244.4 0.5 (2.5000)	254.3 0.5 (3.1000)	393.5 0.2 (13.0000)				
RB 78	103.1 (66.0000)	455.6 (100.0000)	663.8 (30.0000)	(R)	RB 78 6. H	KR 78	
	726.0 (10.0000)	1141.7 (9.0000)					
RB 79	129.8 0.5 (13.0000)	143.4 0.4 (55.0000)	147.0 0.5 (2.3000)	(R)	E+ ====> 22.1 H	KR 79 *	
	153.4 0.1 (100.0000)	160.9 0.6 (9.0000)	182.5 0.4 (19.0000)				
	303.1 0.4 (26.0000)	351.2 0.2 (40.0000)	384.0 0.6 (2.0000)				
	397.8 0.1 (30.0000)	464.6 0.9 (2.0000)	511.006 0.002 (*****)		540.5 0.5 (3.0000)	570.3 0.8 (5.0000)	
	606.1 0.9 (7.0000)	622.4 0.4 (16.0000)	687.5 0.6 (82.0000)		745.3 0.3 (6.0000)	961.7 0.3 (3.0000)	
RB 83	520.9 0.2 (45.9000)	529.3 0.2 (31.0000)	552.5 0.2 (16.0000)	(A)	EC ====> 83. D	KR 83H*	
	796.8 0.2 (0.9000)						
RB 84H	215.4 0.2 (37.0000)	248.0 0.2 (65.0000)	445.5 (*****)	(A)	IT ====> 21. H	RB 84 *	
	463.7 0.2 (32.0000)				(N,2N), (A,N),		
RB 84	511.006 0.002 (42.0000)	881.5 0.2 (74.0000)	1015.9 0.3 (0.5000)	(A)	EC ====> 34.5 D	KR 84	
	1897.4 0.2 (8.0000)				(A,N),		
RB 86H	555.8 0.2 (98.2000)			(A)	IT ====> 1.02H	RB 86 *	8.38E-02
					(N,G),		
RB 86	1076.6 (8.8000)			(A)	E- ====> 18.61D	SR 86	9.62E-01
					(N,G),		
RB 88	338.1 1.5 (0.0600)	485. 2. (0.0600)	897.98 0.02 (18.1000)	(A) KR 88 ==>	E- ====> 17.8 H	RB 88	6.36E-02
	1027. 2. (0.2000)	1366. 2. (0.1300)	1382.5 0.5 (1.1000)		(N,G), (N,F),	SR 88	3.58E+0
	1518.5 2.0 (0.2000)	1535.5 1.0 (0.2000)	1779.7 0.7 (0.3000)				
	1799.2 2. (0.0300)	1836.13 0.04 (30.2000)	2112.2 (0.1600)		2118.6 0.2 (0.5000)	2575.6 0.6 (0.2000)	
	2677.3 0.3 (2.9000)	2734.1 0.07 (0.2000)	3009.0 0.5 (0.5000)		3217. 1. (0.4000)	3487. 2. (0.2000)	
	4744. 2. (0.5000)	4854. 2. (0.0300)					
RB 89	272.7 0.6 (1.3200)	289. 1. (0.4410)	428. 1. (0.2520)	(A) KR 90 ==>	E- ====> 15.15H	RB 89	5.77E+0
	658.3 0.5 (10.8000)	770. (0.4000)	948.1 0.4 (10.1000)		(N,F),	SR 90 *	
	1031.3 0.6 (60.0000)	1220. 1. (0.2260)	1230. 1. (0.3660)				
	1247.3 0.9 (47.0000)	1538.2 0.9 (3.3700)	2008. 1. (3.7500)		2195.5 0.5 (17.3000)	2570. 1. (12.5000)	
	2708.0 0.5 (3.0700)	3510. 2. (1.5400)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
RB 90H	315. (1.3400)	551. (1.0000)	720.4 (1.1500)	(A) KR 90	==> RB 90H E- =====> 154. S (N,F),	SR 90 *	5.77E+0
	824.0 (4.0600)	831.5 (96.7000)	952.5 (1.1400)				
	1060.6 (11.5000)	1272.0 (3.0600)	1375.2 (27.0000)				
	1489.5 (0.0249)	1665.7 (8.0000)	1739.7 (4.9000)	1892.2 (0.6030)	2127.9 (7.5900)		
	2254. (1.7600)	2551. (0.0332)	2752.0 (19.8000)	2834. (3.8900)	3147.5 (8.9500)		
	3317.0 (17.6000)	3383.3 (1.0800)	3505.3 (4.1700)	4206. (1.5600)			
RB 90	315. (0.0296)	551. (0.0222)	586.3 (0.1270)	(A) KR 90	==> RB 90 E- =====> 257. S (N,F),	SR 90 *	5.77E+0
	824.0 (1.7900)	831.5 (48.5000)	838. (0.1330)				
	871. (0.1330)	952.5 (0.4140)	1038.8 (0.2620)				
	1060.6 (10.6000)	1118.6 (0.1970)	1242.6 (0.6500)	1326.8 (0.3950)	1375.2 (0.5980)		
	1489.5 (0.2020)	1666.1 (0.4670)	1793.9 (0.2360)	1803.9 (0.7210)	1892.2 (0.5570)		
	2140.4 (0.7000)	2148.0 (0.1970)	2207.6 (0.8560)	2243.0 (0.4000)	2474.5 (0.8560)		
	2525. (0.4000)	2551. (0.2700)	2754. (0.1310)	3038.5 (1.9100)	3295.3 (0.8520)		
	3304.6 (0.9900)	3317.0 (0.2620)	3360.3 (1.5800)	3383.3 (8.7600)	3534.2 (5.4700)		
	3815.0 (0.7860)	4060. (0.2000)	4089. (0.5000)	4136.0 (9.2400)	4206. (0.3000)		
	4332. (0.3000)	4356. (0.3930)	4366.0 (9.8800)	4454. (0.4000)	4646.6 (0.2880)		
	4974. (0.2670)	5070. (0.2000)	5187.8 (0.1380)	5254.5 (0.3280)	5333.6 (0.6000)		
RB 91	93.1 0.3 (20.0000)	346.0 0.5 (12.0000)	439.3 0.5 (2.7000)	(A) KR 91	==> RB 91 E- =====> 58.2 S (N,F),	SR 91 *	5.90E+0
	593.1 0.2 (1.7000)	602.7 0.2 (4.0000)	947.8 0.3 (2.8000)				
	1041.3 0.3 (3.4000)	1137.4 0.2 (4.7000)	1301. 2. (0.8000)				
	1436. 1. (0.8000)	1483.2 0.8 (1.6000)	1616.0 0.5 (3.4000)	1625.0 0.7 (1.6000)	1629.1 0.8 (1.2000)		
	1849.5 0.2 (3.8000)	1905. 2. (1.3000)	1914. 1. (1.2000)	1971.2 0.3 (9.8000)	1982. 2. (0.8000)		
	2036. 2. (0.8000)	2322. 1. (1.0000)	2505. 1. (2.2000)	2564.3 0.2 (20.0000)	2712. 1. (1.0000)		
	2722. 2. (0.8000)	2925.7 0.6 (3.6000)	3446. 1. (2.4000)	3600.0 0.3 (14.0000)	3640. 1. (3.5000)		
	3738. 2. (1.2000)	3752. 2. (1.0000)	3842. 1. (2.1000)	4078.5 0.5 (5.7000)	4252. 1. (1.0000)		
	4265. 1. (2.0000)	4497. 3. (0.5000)					
RB 92	96.7 0.6 (0.0201)	386.1 0.3 (0.0311)	393.5 0.1 (0.1560 5.3)	(A) KR 92	==> RB 92 E- =====> 4.48S (N,F),	SR 92 *	6.03E+0
	569.8 0.1 (0.6950 5.9)	703.6 0.3 (0.0573)	756.0 0.2 (0.1390 8.8)				
	814.7 0.1 (4.0900 5.5)	963.5 0.2 (0.1880 8.7)	1238.9 0.6 (0.0450)				
	1273.4 0.2 (0.1230)	1325.8 0.2 (0.1720)	1384.6 0.3 (0.4500)	1399.0 0.6 (0.0654)	1464.7 0.6 (0.0491)		
	1712.3 0.2 (0.5360 7.6)	1778. 1. (0.0450)	1789.2 0.9 (0.0491)	1816.7 0.5 (0.0736)	1895.1 0.6 (0.0695)		
	1968.6 0.6 (0.0859)	2006.5 0.5 (0.0900)	2232.0 0.5 (0.0982)	2820.6 0.2 (0.7690 7.5)	2860. 2. (0.0340)		
	2913.2 0.6 (0.0900)	3110.0 0.7 (0.1230)	3502. 2. (0.0450)	3671. 1. (0.0532)	3824. 2. (0.0450)		
	4241. 2. (0.0409)	4427.9 0.9 (0.1600)	4508. 1. (0.0777)	4637.7 0.9 (0.2740)	4809. 2. (0.1310)		
	4836. 1. (0.1270)	4923. 1. (0.1350)	5086. 1. (0.1060)	5188.1 0.8 (0.3070)	5215. 1. (0.1350)		
	5249. 1. (0.1350)	5302. 1. (0.1020)	5377. 2. (0.0736)	5498. 1. (0.1020)	5574. 2. (0.1020)		
	5584. 1. (0.2050)	5632. 1. (0.2450)	5739. 1. (0.0859)	5879. 2. (0.0859)	5901. 1. (0.1150)		
	6004. 2. (0.0736)	6030. 2. (0.0982)	6115. 2. (0.1020)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
RB 93	215. 2. (30.0000)	431. 2. (100.0000)		(R) KR 93 ==>	RB 93 E- =====> 5.89S (N,F),	SR 93 *	6.48E+0
RB 94				KR 94 ==>	RB 94 E- =====> 2.69S (N,F),	SR 94 *	6.48E+0
RB 95					RB 95 E- =====> 0.36S (N,F),	SR 95 *	6.41E+0
RB 96					RB 96 E- =====> 0.23S (N,F),	SR 96 *	6.37E+0
RB 97					RB 97 E- =====> 0.14S (N,F),	SR 97 *	6.21E+0
SR 79	115.7 0.1 (63.0000 5.0)	166.4 0.2 (73.0000 5.4)	188.9 0.5 (100.0000)	(R)	SR 79 =====> 8.1 H	RB 79 *	
	255.7 0.5 (8.0000)	444.2 0.3 (37.0000 2.7)	511.006 0.002 (*****)				
	559.9 0.8 (63.0000 5.0)	611.2 0.6 (26.0000 4.0)					
SR 83	42.3 0.1 (0.9000)	93.9 0.4 (0.2500)	160. 1. (0.1000)	(A)	SR 83 EC =====> 32.4 H	RB 83 *	
	290.2 0.5 (0.9000)	381.4 0.4 (24.0000)	389.3 0.4 (1.8000)				
	418.4 0.4 (7.4000)	423.1 0.6 (2.8000)	437.9 0.4 (1.3000)				
	511.006 0.002 (68.5000)	540.6 1.0 (0.0420)	644.5 1.0 (0.0420)		652.8 1.0 (0.0420)	659.6 0.5 (0.5000)	
	674.8 0.4 (0.4000)	714.2 1.0 (0.0840)	732.0 1.0 (0.0840)		737.2 0.4 (0.3000)	752.7 0.9 (0.2000)	
	762.9 0.4 (42.0000)	778.2 0.4 (2.0000)	793.5 1.0 (0.1500)		806.0 0.9 (0.2000)	819.2 0.6 (1.2000)	
	848.5 0.5 (0.4000)	854.8 1.0 (0.2000)	890.4 1.4 (0.2000)		907.8 0.4 (0.5000)	917.8 0.1 (0.2000)	
	930.5 1.0 (0.3000)	944.4 0.7 (0.2500)	994.3 0.5 (0.9000)		1020. 1. (0.0420)	1036.8 1.0 (0.0840)	
	1043.8 0.7 (0.4000)	1051.8 1.5 (0.2000)	1053.8 0.6 (0.2500)		1097.7 0.6 (0.4000)	1147.2 0.4 (1.9000)	
	1160.0 0.4 (1.9000)	1202.1 0.5 (0.2500)	1214.6 0.4 (0.4000)		1237.6 1.0 (0.4000)	1242.9 0.8 (0.1000)	
	1273.0 0.8 (0.1000)	1264.7 0.8 (0.1000)	1295.8 0.8 (0.2000)		1324.3 0.7 (0.4000)	1374. 1.0 (0.0840)	
	1384.1 0.8 (0.2500)	1394.9 1.5 (0.2000)	1460.9 1.5 (0.3000)		1528.5 0.8 (0.1500)	1562.4 0.4 (2.6000)	
	1596. 2. (0.0420)	1652.8 0.8 (0.2000)	1665.4 0.9 (0.2000)		1710.0 2. (0.1300)	1722. 2. (0.0840)	
	1749. 2. (0.0420)	1757. 2. (0.0420)	1778. 2. (0.0420)		1796. 2. (0.0590)	1874. 2. (0.0420)	
	1911.6 1.0 (0.0590)	1947. 1.0 (0.0420)	1952.1 0.5 (1.1000)		2014.7 0.7 (0.0700)	2047.7 0.6 (0.2000)	
	2089.8 0.6 (0.2000)	2137. 1. (0.4200)	2147.4 0.9 (0.3000)		2302.0 2.0 (0.3000)		
SR 85H	151.22 0.07 (12.0000)	231.6 0.1 (85.0000)	238.6 0.2 (0.3300)	(A)	SR 85H IT =====> 67.6 H	SR 85 *	6.76E-03
					(N,G), (P,N), (D,2N),		
SR 85	513.95 0.02 (98.2000)			(A)	SR 85 EC =====> 64.8 D	RB 85	4.16E-03
					(N,G), (P,N), (D,2N),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. V. (U 235)
SR 87H	388.40 0.08 (78.9000)			(A)	SR 87H $\xrightarrow{IT}$ SR 87 2.83H (N,G), (P,N),	1.47E-01	
SR 89	909.1 0.1 (0.0150)			(A) RB 89 $\Rightarrow$	SR 89 $\xrightarrow{E-}$ Y 89 50.55D (N,G), (N,F),	9.20E-03	4.76E+0
SR 91	118.5 0.2 (0.1500)	261.2 0.2 (0.4650)	272.7 0.4 (0.1800)	(A) RB 91 $\Rightarrow$	SR 91 $\xrightarrow{E-}$ Y 91 * 9.7 H (N,A), (N,F),		5.90E+0
	274.7 0.2 (1.2000)	359.0 1.0 (0.0500)	380. 1. (0.2000)				
	486.3 1. (0.0800)	555.57 0.05 (59.7000)	593.1 0.5 (0.1200)				
	620.1 0.1 (1.9000)	621.3 0.1 (0.5700)	652.3 0.3 (3.1000)	652.9 0.2 (8.2000)	653. 2.0 (0.5000)		
	749.8 0.1 (25.0000)	761.3 0.1 (0.5700)	793.8 1. (0.0600)	879.8 0.4 (0.1800)	892.6 0.6 (0.0700)		
	901.6 0.6 (0.1100)	925.8 0.2 (4.2000)	973.8 0.5 (0.0300)	992. 1. (0.0500)	1024.3 0.1 (36.0000)		
	1054.6 0.2 (0.2500)	1140. 0.5 (0.1200)	1280. 0.5 (1.0000)	1327.2 1.0 (0.0400)	1353.2 1.0 (0.0025)		
	1413.4 0.1 (1.0000)	1473.7 1. (0.1600)	1546. 1. (0.0700)	1651.4 0.5 (0.3900)	1724.0 0.5 (0.2000)		
	2016. 1. (0.0050)						
SR 92	241.6 0.2 (3.0000)	430.6 0.2 (4.0000)	953. (*****)	(A) RB 92 $\Rightarrow$	SR 92 $\xrightarrow{E-}$ Y 92 * 2.7 H (N,F),		6.03E+0
	1142. (*****)	1383.3 0.2 (90.0000)					
SR 93	168.6 0.4 (23.7000)	260.3 0.4 (7.8400)	285.5 0.7 (0.2640)	(A) RB 93 $\Rightarrow$	SR 93 $\xrightarrow{E-}$ Y 93 * 7.45H (N,F), (N,A),		6.48E+0
	347.1 0.5 (3.2300)	377.9 0.4 (1.4000 8.6)	406.1 0.7 (1.1100)				
	432. 1. (1.4400)	446.4 0.4 (2.2300)	483.2 0.6 (2.4200)				
	541.9 0.7 (0.5890)	545.6 0.7 (0.2300)	590.6 0.4 (67.7000 0.8)	611.7 0.6 (1.3200)	664.0 0.4 (1.3900 8.6)		
	687.3 0.7 (0.3390)	689.8 0.4 (1.3000)	711.0 0.4 (22.0000)	718.1 0.6 (1.4400)	771.1 0.7 (1.0600)		
	788.7 0.7 (1.0600)	835.2 0.4 (1.4400 7.3)	858.9 0.7 (0.8330)	876.5 0.4 (24.9000 9.5)	889.1 0.4 (22.3000 5.5)		
	901.1 0.7 (0.5760)	1040.8 0.4 (3.5500)	1054.1 0.7 (0.4810)	1094.0 0.4 (1.5200)	1122.7 0.4 (4.3600 6.0)		
	1141.8 0.5 (1.3600)	1196.4 0.7 (0.8530)	1215.5 0.4 (2.6600 6.7)	1243.1 0.7 (0.7990)	1269.4 0.4 (7.4700 6.7)		
	1277.7 0.7 (0.7380)	1308.4 0.7 (0.5080)	1321.5 0.4 (2.6900 8.4)	1334.1 0.7 (1.1200)	1386.4 0.5 (4.1400)		
	1433.9 0.7 (0.9610)	1439.0 0.7 (0.5150)	1469.6 0.7 (0.7380)	1471.7 0.5 (0.6770)	1491.9 0.7 (0.4200)		
	1521.1 0.7 (0.9410)	1551.9 0.4 (0.7760)	1633.9 0.4 (1.4100 6.8)	1647.4 0.4 (1.0500)	1667.2 0.4 (0.7580)		
	1684.0 0.4 (0.9310)	1654.0 0.4 (2.7500 6.5)	1699.1 0.4 (3.8600 6.3)	1706.8 0.4 (0.8060)	1765.5 0.4 (0.7800)		
	1775.0 0.7 (0.2570)	1811.7 0.4 (1.4700 9.3)	1816.5 0.7 (0.2780)	1929.2 0.4 (0.8220)	1944.8 0.7 (0.6430)		
	1979.3 0.7 (0.1630)	2032.7 0.7 (0.3790)	2054.7 0.7 (0.2100)	2063.9 0.7 (0.6700)	2105.5 0.7 (0.2510)		
	2178.6 0.7 (0.2570)	2230.7 0.4 (1.5000)	2296.5 0.7 (0.8060)	2364.8 0.4 (1.4300 9.3)	2544.0 0.4 (3.5500 6.3)		
	2574.3 0.7 (0.1150)	2688.6 0.4 (2.2600 9.9)	2828.5 0.7 (0.1490)	2985.4 0.7 (0.2710)	3006.7 0.7 (0.1290)		
	3116.3 0.7 (0.0677)						
SR 94				RB 94 $\Rightarrow$	SR 94 $\xrightarrow{E-}$ Y 94 * 76. S (N,F),		6.48E+0
SR 95				RB 95 $\Rightarrow$	SR 95 $\xrightarrow{E-}$ Y 95 * 26. S (N,F),		6.41E+0

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (Ci/G)	FISS. Y. (U 235)
SR 96				Rd 96 ==>	SR 96 E- ====> 4. S (N,F),	Y 96 *	6.37E+0
Y 85	232. 1. (22.1000)	375. 1. (0.8850)	511.006 0.002 (*****)	(A)	Y 85 E+ ====> 4.9 H (D,N),	SR 85 *	
	536. 1. (1.4400)	567. 1. (0.8630)	695. 1. (*****)				
	768. 1. (4.4200)	788. 1. (0.7190)	996. 3. (0.5750)				
	1029. 1. (1.6400)	1124. 1. (1.4600)	1133. 1. (0.6420)	1187. 1. (0.8190)	1210. 1. (0.5090)		
	1220. 1. (1.6800)	1327. 1. (1.1100)	1355. 1. (0.3320)	1404. 2. (3.4100)	1422. 1. (0.1800)		
	1584. 1. (*****)	1704. 1. (0.1990)	1891. 1. (1.4800)	1935. 1. (0.7960)	2123. 1. (5.7300)		
	2173. 2. (2.4600)	2352. 1. (0.7960)	2547. 2. (0.2210)	2583. 2. (0.0885)	2745. 2. (0.1440)		
	2786. 2. (0.4650)	3266. 5. (0.0885)					
Y 86	118.7 0.5 (0.2100)	187.8 0.5 (0.9800)	190.0 0.5 (1.3000)	(A)	Y 86 EC ====> 14.74H (P,N),	SR 86	
	209.0 0.5 (0.1400)	234.0 0.5 (0.2900)	241.7 0.5 (0.8300)				
	251.5 0.5 (0.2500)	263. 0.6 (0.5200)	306.5 0.5 (2.8000)				
	329. 1.0 (0.5900)	369. 1.0 (0.3900)	442. 1.0 (18.0000 5.5)	511.006 0.002 (*****)	581.5 0.5 (4.8000 9.3)		
	609.3 0.5 (1.2000)	627.7 0.5 (29.0000 6.3)	645. 1.0 (11.0000)	703.8 0.5 (15.0000)	711.0 0.5 (1.5000)		
	769. 1. (2.8000)	778.5 0.5 (21.0000 5.8)	815.5 1.5 (1.2000)	827.0 0.5 (3.4000)	837.0 0.5 (4.1000)		
	888. 1. (0.9800)	909.7 0.5 (2.4000)	928. 1. (1.3000)	955.3 0.5 (0.8200)	974. 1. (3.7000 0.1)		
	1024. 1. (4.0000)	1064. 1. (0.7400)	1076. 1. (82.0000)	1092. 1. (0.8100)	1153. 1.5 (30.0000 2.7)		
	1164. 1. (1.3000)	1253. 1. (1.3000)	1273. 1. (0.4600)	1283. 1. (0.1600)	1300. 1. (0.4100)		
	1330. 1. (0.3400)	1350. 2. (3.0000)	1416.5 1.5 (0.4100)	1460. 1. (0.2500)	1510. 1. (0.2500)		
	1536. 2. (0.2500)	1661. 2. (0.4100)	1710. 1. (0.1600)	1723. 1. (0.7400)	1791. 2. (1.3000)		
	1801. 2. (1.5000)	1854.5 1.5 (18.0000 7.1)	1920. 1. (25.0000)	1940. 3. (0.1200)	2017. 1. (0.0800)		
	2043. 2. (0.0800)	2058. 2. (0.3000)	2089. 1. (0.3800)	2110. 2. (0.0400)	2130. 2. (0.1200)		
	2164. 2. (0.0800)	2190. 3. (0.0800)	2290. 2. (0.0800)	2314. 3. (0.3300)	2485. 2. (0.1600)		
	2558. 2. (0.0800)	2568. 1. (2.6000)	2611. 1. (1.7000 9.5)	2617. 2. (0.1600)	2643. 2. (0.2100)		
	2797. 2. (0.2500)	2827. 3. (0.0800)	2859. 3. (0.2500)	2866. 4. (0.5400)	3071. 4. (0.6400)		
	3336. 5. (0.3300)	3640. 4. (0.3300)	3795. 5. (0.0800)	3888. 5. (0.3000)	3918. 5. (0.4600)		
Y 87H	381.1 0.5 (77.0000)			(A)	Y 87H IT ====> 13.2 H (D,N),	Y 87 *	
Y 87	388.40 0.08 (74.7000)	484.8 0.5 (91.0000)	511.006 0.002 (1.8200)	(A)	Y 87 EC ====> 80.3 H (D,N), (P,N),	SR 87	
Y 88	511.006 0.002 (0.4000)	897.02 0.01 (91.4000)	1836.08 0.02 (99.4000)	(A)	Y 88 EC ====> 107.4 D (P,N), (D,2N),	SR 88	
	2734.17 0.08 (0.6200)						
Y 89H	909.1 0.1 (99.0000)			(A) ZR 89 ==>	Y 89H IT ====> 15.8 S (D,N),	Y 89	

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL			DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
Y 90M	202.4 0.2 (96.7000)	479.3 0.2 (92.5000)	681.7 0.4 (*****)	(A)	Y 90M	IT =====> 3.1 H	Y 90 *	1.83E-03	
						(N,G), (N,A), (A,N),			
Y 91M	555.59 0.1 (95.6000)			(A) SR 91	==> Y 91M	IT =====> 51. M	Y 91 *		5.90E+0
						(N,F),			
Y 91	1210. (0.2200)			(A) SR 91	==> Y 91	E- =====> 58.9 D	ZR 91 *		5.90E+0
						(N,F),			
Y 92	448.5 0.1 (2.3000)	492.6 0.1 (C.4900)	561.1 C.1 (2.4000)	(A) SR 92	==> Y 92	E- =====> 3.5 H	ZR 92		6.03E+0
	844.3 0.1 (1.3000)	912.8 0.3 (0.6300)	934.5 0.1 (14.0000)			(N,F), (N,P), (D,A),			
	972.3 0.2 (0.0660)	1132.4 0.1 (C.2400)	1405.4 0.1 (4.8000)						
	1847.3 0.1 (0.3600)	1865.1 0.3 (0.0280)	1988.6 1.2 (0.0061)	2105.6 0.3 (0.0190)	2339.9 0.1 (0.0140)				
	2437.0 0.8 (0.0031)	2473.4 0.5 (0.0051)	2819.8 0.3 (0.0042)	3263.9 0.9 (0.0011)	3371.2 0.6 (0.0031)				
Y 93	267.0 0.3 (6.3500)	273. 1. (0.0603)	287. 1. (0.0654)	(A) SR 93	==> Y 93	E- =====> 10.2 H	ZR 93 *		6.48E+0
	341.7 0.5 (0.0385)	490. 1. (0.0031)	679.5 0.5 (0.5120)			(N,F),			
	687.0 0.5 (0.5620 3.8)	946.7 0.3 (1.7000 5.5)	1158. 1. (0.0241)						
	1167.9 0.7 (0.0168)	1184. 1. (0.0213)	1203.5 C.7 (0.0861)	1237. 1. (0.0226)	1425.5 0.3 (0.1890)				
	1450.8 0.3 (0.2620 8.3)	1471.0 0.8 (0.0374)	1643.0 0.3 (0.0462)	1652.1 0.6 (0.0264)	1827.4 0.9 (0.0258)				
	1914.2 0.6 (1.5100 5.6)	1917.9 0.3 (1.1200)	2184.2 0.5 (0.1300)	2190.7 0.3 (0.1260 7.7)	2472. 1. (0.0091)				
	2605. 3. (0.0095)								
Y 94	381.8 0.2 (1.6000 3.2)	550.1 0.2 (4.2000 2.4)	750.5 0.2 (2.3000 6.5)	(A) SR 94	==> Y 94	E- =====> 19.4 H	ZR 94		6.48E+0
	918.2 0.2 (50.0000)	1139.1 0.4 (10.0000 5.8)	1232.8 0.4 (0.9000 5.6)			(N,F), (D,A),			
	1325.0 0.4 (0.5000)	1363.5 0.4 (0.9000 5.6)	1402.7 6.4 (1.2000 8.7)						
	1668.6 0.9 (3.1000 6.5)	1915.61 1.0 (1.4000 7.1)	2140.4 1.0 (1.3000 7.7)	2467.0 2.8 (0.6000 8.3)	2628.0 2.8 (0.2500)				
	2834.0 2.8 (0.4500)								
Y 95	73. 2. (1.0000)	429.2 0.2 (10.7000 8.0)	632. 2. (5.0000)	(R) SR 95	==> Y 95	E- =====> 10.9 H	ZR 95 *		6.41E+0
	956.2 0.7 (100.0000)	1001. 2. (2.0000)	1049.1 0.5 (7.6400)			(N,F),			
	1071.2 0.3 (8.8000 5.7)	1155.8 0.4 (9.5000)	1274. 5. (3.0000)						
	1322.9 0.3 (21.2000 5.1)	1356. 3. (4.0000)	1419. 1. (4.0000)	1445. 5. (1.0000)	1610.5 0.4 (12.5000 6.4)				
	1618.2 0.4 (12.7000)	1673.6 0.9 (44.0000 0.5)	1684. 2. (1.5000)	1771.3 0.9 (4.8000 4.2)	1785. 4. (1.0000)				
	1798. 4. (1.0000)	1806. 2. (8.0000)	1814. 5. (2.0000)	1888. 1. (5.7000)	1905. 4. (2.0000)				
	1926. 4. (5.0000)	1940. 1. (14.0000)	2143. 1. (1.9000)	2175.3 0.7 (28.3000 6.6)	2252. 2. (3.0000)				
	2275. 2. (6.0000)	2300. 1. (8.7000 3.5)	2372. 4. (5.0000)	2433. 2. (3.1000 3.2)	2496. 2. (3.0000)				
	2562. 2. (28.5000 4.2)	2632.0 0.9 (13.7000)	2729. 5. (1.0000)	2761. 5. (1.0000)	2846. 5. (1.0000)				
	2996. 3. (1.0000)	3129. 1. (3.0000)	3249. 1. (4.0000)	3450. 1. (2.0000)	3576. 1. (22.0000)				
	3684. 3. (0.1000)	3887. 3. (0.1000)	3922. 5. (0.1000)	4068. 3. (0.1500)					

NUCLIDE	ENERGY (KEV)		INTENSITY		ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
Y 97	125. 3. (*****)	810. 3. (*****)			(R)	Y 97 $\xrightarrow{E-}$ ZR 97 * 1.115 (N,F),		6.21E+0
ZR 87	511.006 0.002 (165.0000)	771. 1. (0.1500)	793. 2. (0.5900)		(A)	ZR 87 $\xrightarrow{E+}$ Y 87H* 1.6 H		
	796. 2. (0.1900)	973. 2. (0.2000)	1160. 1. (0.2700)					
	1202. 2. (0.4100)	1210. 1. (1.2000)	1228. 1. (3.8000)					
	1808. 2. (0.1900)	1820. 2. (0.1100)	2165. 3. (0.1100)	2183. 3. (0.1100)		2220. 2. (0.3800)		
	2616. 2. (0.1900)							
ZR 89H	511.006 0.002 (3.2000)	588.0 0.3 (87.0000)	1508.4 0.4 (6.3000)		(A)	ZR 89H $\xrightarrow{IT}$ ZR 89 * 4.2 H (P,N),		
ZR 89	511.006 0.002 (44.0000)	909.2 0.1 (99.4000 3.5)	1620.8 0.2 (0.0736 8.6)		(A)	ZR 89 $\xrightarrow{EC}$ Y 89 78.4 H (N,A), (N,N), (D,2N),		
	1657.3 0.2 (0.1090 9.6)	1712.6 0.6 (0.8200 6.2)	1744.5 0.2 (0.1340 6.3)					
ZR 95	234.7 0.1 (0.1900)	724.23 0.03 (43.8600 0.9)	756.76 0.05 (54.5000 0.7)		(A) Y 95 ==>	ZR 95 $\xrightarrow{E-}$ NB 95 * 3.980 (N,G), (N,F),	2.33E-02	6.41E+0
ZR 97	111.6 0.4 (0.0730)	182.6 1.2 (0.0370)	218.9 0.3 (0.1900)		(A) Y 97 ==>	ZR 97 $\xrightarrow{E-}$ NB 97H* 17.0 H (N,G), (N,F),	2.50E-03	6.21E+0
	254.4 0.2 (0.7700)	272.4 0.2 (0.2800)	330.5 0.2 (0.0900)					
	355.4 0.1 (2.1000)	400.4 0.2 (0.2800)	507.7 0.1 (4.9000)					
	513.4 0.2 (0.4600)	602.4 0.2 (1.3800)	690.6 0.2 (0.2800)	699.2 0.3 (0.1100)		703.8 0.1 (1.1000)		
	743.4 0.1 (92.0000)	804.6 0.1 (0.7400)	829.8 0.2 (0.2800)	854.9 0.2 (0.3600)		971.4 0.1 (0.2800)		
	1021.3 0.3 (0.9200)	1148.0 0.1 (2.6000)	1276.1 0.1 (1.0100)	1362.7 0.1 (1.0200)		1750.5 0.1 (1.2900)		
	1851.6 0.1 (0.4100)							
ZR 99	469.2 (*****)	546.2 (*****)	594.1 (*****)		(R)	ZR 99 $\xrightarrow{E-}$ NB 99 * 2.4 S (N,F),		6.19E+0
ZR 101	293. 3. (*****)	400. (*****)			(R)	ZR 101 $\xrightarrow{E-}$ NB 101 * 3.3 S (N,F),		6.44E+0
NB 90	132.60 0.03 (4.4000)	141.15 0.02 (67.0000)	371.0 0.2 (1.7000)		(A)	NB 90 $\xrightarrow{EC}$ ZR 90 14.6 H (P,N), (D,2N),		
	511.006 0.002 (*****)	518.2 0.3 (*****)	827.7 0.4 (2.0000)					
	890.5 0.4 (2.0000)	1129.1 0.3 (89.0000)	1270.5 0.5 (0.9000)					
	1575.0 0.7 (*****)	1612.1 0.4 (4.0000)	1716.6 1.2 (*****)	1760.7 0.6 (0.4000)		1842.9 0.9 (*****)		
	1913.5 0.9 (*****)	2186.2 0.4 (17.9000)	2223.3 1.0 (0.7000)	2318.6 0.4 (82.0000)				
NB 91H	104.5 0.1 (1.8000)	1205.0 0.7 (3.4000)			(A)	NB 91H $\xrightarrow{IT}$ NB 91 * 62. 0 (D,N),		
NB 92	511.006 0.002 (0.1000)	911.9 0.3 (1.8000)	934.51 0.07 (99.0000)		(A)	NB 92 $\xrightarrow{EC}$ ZR 92 10.160 (N,2N),		
	1846.5 0.2 (0.8000)							

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NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
NB 99	94. 1. (25.0000)	138. 1. (5.5000)	174. 1. (1.3800)	(A) ZR 99	==> NB 99 E- =====> 2.4 M	MO 99 *	6.19E+0
	197. 1. (0.8750)	254. 1. (14.3000)	264. 1. (2.7500)		(N,F),		
	273. 1. (0.6250)	279. 1. (1.0000)	352. 1. (10.5000)				
	366. 1. (0.5000)	380. 1. (0.8750)	393. 1. (0.7500)	427. 1. (1.5000)	441. 1. (0.7500)		
	451. 1. (5.0000)	498. 1. (0.7500)	509. 1. (0.7500)	517. 1. (0.7500)	525. 1. (3.2500)		
	534. 1. (2.6300)	535. 1. (2.6300)	549. 1. (2.3800)	555. 1. (2.1300)	593. 1. (1.7500)		
	598. 1. (3.0000)	631. 1. (4.7500)	656. 1. (2.1300)	674. 1. (2.7500)	694. 1. (3.0000)		
	768. 1. (1.0000)	793. 1. (5.0000)	847. 1. (3.2500)	856. 1. (0.3750)	868. 1. (0.3750)		
	889. 1. (1.3800)	905. 1. (2.0000)	928. 1. (3.5000)	945. 1. (2.3800)	1027. 1. (1.3800)		
	1070. 1. (2.6300)	1100. 1. (1.6300)	1112. 1. (0.8750)	1259. 1. (1.7500)	1317. 1. (1.7500)		
	1475. 2. (2.7500)	1698. 2. (2.7500)	1886. 2. (0.8750)	2241. 2. (2.0000)	2544. 2. (2.5000)		
	2642. 2. (12.5000)	2893. 2. (3.5000)	2734. 2. (3.7500)	2791. 2. (1.8800)	2854. 2. (12.0000)		
	3010. 2. (1.0000)						
NB 100	159.2 0.3 (7.5000)	528.1 0.3 (20.0000)	535.4 0.3 (93.0000)	(A)	NB 100 E- =====> 6.6 S	MO 100	6.44E+0
	543.1 0.5 (3.0000)	549.2 0.4 (1.4000)	600.1 0.5 (43.0000)		(N,F),		
	635.2 0.5 (2.4000)	638.4 0.5 (2.6000)	702.5 0.3 (3.1000)				
	707.5 0.4 (5.3000)	928.1 0.5 (6.0000)	952.5 0.5 (3.4000)	966.1 0.5 (14.0000)	1063.5 0.3 (6.7000)		
	1280.3 0.5 (19.0000)						
MO 90	42.70 0.04 (2.1800 9.2)	122.37 0.02 (65.3000 3.7)	162.93 0.09 (6.0600 8.3)	(A)	MO 90 EC =====> 5.7 H	NB 90 *	
	203.1 0.1 (6.4600 7.7)	257.34 0.04 (79.1000 3.3)	421.0 0.3 (0.2500)				
	425.1 0.5 (0.3600)	440.5 0.6 (0.9500)	445.4 0.2 (6.1300 5.8)				
	472.2 0.3 (1.4500)	489.8 0.4 (0.7400)	511.006 0.002 (50.0000)	517.7 0.7 (0.1600)	941.5 0.4 (5.6200)		
	946.4 0.8 (0.6800)	987.3 1. (0.1400)	990.2 0.6 (1.0400)	1271.3 0.6 (4.1700)	1387.4 0.5 (1.8800)		
	1446. 2. (0.0500)	1454.6 0.7 (1.9100)	1463.5 0.9 (0.6800)	1481.6 1.4 (0.2100)			
MO 91H	104.5 0.1 (*****)	253.4 0.4 (0.2190)	511.006 0.002 (*****)	(A)	MO 91H IT =====> 1.02H	MO 91 *	
	652.8 0.2 (45.6000)	732.9 0.4 (0.1200)	1032.8 0.4 (0.5860 8.4)				
	1082.3 0.3 (0.3980)	1158.7 0.4 (0.3390)	1208.0 0.3 (15.9000 7.1)				
	1507.6 0.5 (19.9000 2.2)	2238.5 0.6 (0.6970)	2240.7 0.4 (0.7370)				
MO 91	511.006 0.002 (*****)	616.0 0.4 (21.7000)	873.8 0.4 (13.0000)	(R)	MO 91 E+ =====> 15.69H	NB 91 *	
	1050.7 0.4 (10.8000)	1082.3 0.3 (5.8000)	1156.7 0.5 (3.2000)		(N,2N),		
	1195.1 0.7 (2.8000)	1204.5 0.7 (5.0000)	1446.9 0.5 (3.7000)				
	1460.5 0.6 (2.4000)	1580.9 0.2 (70.2000 5.3)	1636.9 0.2 (100.0000)	1740.4 0.4 (4.9000)	1790.0 0.7 (9.9000)		
	2119.2 0.6 (8.0000 0.1)	2530.8 0.4 (1.7000)	2631.2 0.3 (37.5000 7.8)	2791.8 0.6 (3.2000)	3027.4 0.4 (28.0000 1.1)		
	3148.2 0.4 (15.8000 8.1)	3187. 1. (1.4000)	3837. 1. (*****)				
MO 93H	113.9 0.2 (0.7000 6.9)	263.1 0.2 (53.0000 6.0)	684.7 0.2 (92.0000 4.1)	(R)	MO 93H IT =====> 6.9 H	MO 93 *	
	947.87 0.5 (0.2000)	1364.7 0.8 (0.9400)	1477.2 0.3 (100.0000)		(D,2N), (A,N), (P,N),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
MO 99	40.584 0.002 (1.3000)	140.511 0.006 (89.6000)	142.63 0.03 (0.0270)	(A) NB 99	==> MC 99 E- =====> 66.7 H (N,G), (N,F),	TC 99H 6.05E-02	6.19E+0
	181.06 0.04 (6.7000)	366.4 0.1 (1.4600)	411.5 0.5 (0.0240)				
	528.9 0.2 (0.0540)	620.7 0.2 (0.0240)	739.7 0.1 (13.8000)				
	773.2 0.1 (4.8000)	823.1 0.1 (0.1400)	961.0 0.2 (0.1100)				
MO 101	104.70 0.08 (0.1540 9.1)	105.95 0.05 (0.2280 8.4)	191.93 0.04 (0.2230 7.3)	(A) NB 101	==> MC 101 E- =====> 14.6 H (N,G), (N,F),	TC 101 * 3.27E-02	5.02E+0
	195.94 0.05 (2.7600 8.4)	212.00 0.08 (0.4300)	318.0 0.2 (0.2370)				
	327.9 0.2 (0.1890)	333.7 0.1 (0.6570 9.8)	371.2 0.4 (0.1910)				
	378.9 0.2 (0.3200)	381.0 0.2 (0.3500)	398.9 0.1 (0.7860 8.7)	408.6 0.1 (1.4000 8.6)	421.4 0.1 (0.5230)		
	432.9 0.4 (0.1070)	448.6 0.1 (0.6220 9.1)	452.6 0.5 (0.1090)	499.6 0.1 (1.3400 8.3)	505.88 0.05 (11.4000 7.1)		
	510.4 0.2 (0.3230)	512.7 0.1 (1.2000)	515.2 0.2 (0.7290)	524.2 0.4 (0.1170)	533.6 0.2 (0.3810)		
	566.5 0.1 (0.8050 9.7)	571.3 0.4 (0.1590)	590.82 0.05 (19.4000 5.3)	608.3 0.1 (0.9800 9.0)	642.7 0.1 (1.1000 9.2)		
	660.8 0.3 (0.2570)	695.53 0.07 (6.6300 8.2)	701.8 0.3 (0.4030 1.0)	713.0 0.1 (3.1100 8.7)	732.9 0.2 (0.2290)		
	774.1 0.2 (0.3520)	778.3 0.1 (0.8710)	789.8 0.6 (0.1230)	804.3 0.1 (0.8620)	815.2 0.4 (0.1400)		
	853.1 0.3 (0.2430)	859.4 0.5 (0.1380)	871.1 0.1 (1.6600 8.5)	877.4 0.1 (3.1300 8.7)	887.9 0.3 (0.3600)		
	895.9 0.5 (0.1460)	903.6 0.4 (0.1870)	934.20 0.09 (3.7500 8.9)	943.2 0.7 (0.1460)	980.7 0.3 (0.2640)		
	987.9 0.4 (0.1790)	1010.0 0.1 (3.8400)	1012.4 0.1 (11.4000 8.8)	1018.9 0.2 (1.4800)	1049.9 0.2 (0.3210)		
	1066. 1. (0.1450)	1160.9 0.1 (3.6000 8.7)	1168.5 0.5 (0.1750)	1184. 1. (0.1850)	1186.6 0.2 (0.9680 9.7)		
	1199.9 0.1 (1.6200 8.7)	1210.2 0.6 (0.1320)	1251.10 0.09 (4.2200 8.4)	1291.9 0.7 (0.1480)	1303.9 0.1 (2.3900 8.9)		
	1314. 1. (0.1260)	1323.4 0.8 (0.1350)	1326.1 0.6 (0.2700)	1337.1 0.8 (0.1940)	1345.8 0.2 (0.9490 9.3)		
	1355.6 0.1 (1.6200 8.7)	1377.3 0.5 (0.2140)	1382.2 0.2 (1.1100 9.1)	1394.5 0.2 (0.5700 9.4)	1413.5 0.3 (0.4200 9.3)		
	1418.0 0.2 (0.7950 8.6)	1430.6 0.4 (0.2760)	1433.4 0.3 (0.8400)	1514.4 0.7 (0.1650)	1518.9 0.7 (0.2500)		
	1522.4 0.5 (0.2650)	1532.3 0.2 (5.5200 9.0)	1547.5 0.5 (0.1460)	1589.6 0.3 (0.2390)	1599.1 0.1 (1.5700 9.0)		
	1662.2 0.2 (0.6400)	1673.6 0.1 (1.5300 8.6)	1712.8 0.3 (0.1940)	1745.8 0.3 (0.4240)	1759.9 0.2 (1.0100)		
	1767.4 0.7 (0.1170)	1840.4 0.2 (1.2600)	2032.0 0.2 (6.0700 8.5)	2040.9 0.2 (2.0400 8.4)	2046.8 0.5 (0.1150)		
	2088.4 0.3 (0.6750 8.7)	2113.7 0.3 (0.5520 8.9)	2221.6 0.5 (0.1520)				
MO 105	68.71 0.1 (100.0000)	376.0 0.3 (12.0000)	423.9 0.4 (21.0000)	(R) NB 105	==> MO 105 E- =====> 58.1 S (N,F),	TC 105 *	
TC 94H	511.006 0.002 (*****)	871.10 0.02 (100.0000)	993.1 0.5 (2.6000)	(R)	TC 94H E+ =====> 52. H (D,2N), (P,N),	MO 94	
	1196.2 0.7 (0.9000)	1522.0 0.3 (5.9000)	1868.8 0.3 (5.8000)				
	2393.0 0.7 (0.6000)	2530.0 1.0 (0.7000)	2740.0 0.7 (3.8000)				
	3129.2 0.7 (1.2000)	3793.5 1.0 (0.1000)					
TC 94	449.0 0.5 (2.5000)	511.006 0.002 (20.6000)	531.6 0.5 (1.1000)	(R)	TC 94 EC =====> 4.9 H (D,2N),	MO 94	
	702.6 0.2 (93.0000)	742.0 0.5 (1.0300)	849.7 0.2 (93.0000)				
	370.9 0.2 (93.0000)	916.2 0.5 (100.0000)	1509.7 0.8 (0.6200)				
	1591.8 0.8 (0.1700)	1764.6 0.8 (0.1700)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.V. (U 235)
TC 95H	204.12 0.01 (100.0000)	219.4 0.3 (0.1200)	253.066 0.006 (1.1000 9.1)	(R)	TC 95H EC =====> MO 95 60. D (P,N), (D,N),(D,2N),		
	582.07 0.01 (55.0000 9.1)	616.5 0.2 (2.4000)	765.8 0.1 (6.0000)				
	786.18 0.02 (15.0000 7.3)	820.61 0.02 (8.0000)	835.13 0.02 (45.0000)				
	1039.25 0.02 (5.0000)	1057.0 0.5 (0.0220)	1222.5 0.5 (0.0130)	1620.2 0.5 (0.0650)			
TC 95	605. 1. (0.1000)	765.8 0.1 (100.0000)	947.8 0.2 (0.2000)	(R)	TC 95 EC =====> MO 95 20. H (P,N), (D,N),(D,2N),		
	1074.1 0.2 (4.0000)						
TC 96P	241. 1. (0.4000)	350.3 0.5 (3.7000)	372. 1. (0.4000)	(R)	TC 96H IT =====> TC 96 * 51.5 H (A,N),		
	480.7 0.4 (17.3000 5.5)	615.7 0.4 (3.8000)	719.7 0.1 (14.2000 9.9)				
	726. 1. (0.3000)	778.3 0.2 (100.0000)	849.8 0.1 (18.5000)				
	967.3 0.5 (6.6000)	1091.4 0.3 (4.2400)	1096.7 0.2 (3.8000)	1200.3 0.1 (55.8000 4.3)	1498.3 0.2 (6.3100)		
	1816.5 0.5 (2.3000)						
TC 96	120.5 0.4 (0.0300)	219.1 0.6 (0.0400)	241.1 0.3 (0.1000)	(A)	TC 96 EC =====> MO 96 4.3 D (A,N),		
	314.4 0.2 (2.2900)	316.4 0.2 (1.6800 9.5)	350.0 0.3 (0.0800)				
	371.4 0.3 (0.3000)	434.9 0.2 (0.8430 7.5)	460.3 0.3 (0.4330)				
	480.4 0.3 (0.1000)	535.7 0.3 (0.4770)	569.4 0.6 (0.9120)	720.0 0.3 (0.2000)	778.3 0.1 (100.0000)		
	810.2 0.6 (0.4000)	812.7 0.2 (82.2000 2.6)	850.0 0.2 (97.4000 2.2)	885.4 0.6 (*****)	1091.4 0.3 (0.9490 4.6)		
	1126.9 0.2 (14.4000 2.3)	1200.1 0.3 (0.3640 7.7)	1441.3 0.4 (0.0491)	1498.0 0.3 (0.0764)			
TC 99H	140.6 0.1 (90.0000)			(A) MO 99 ==>	TC 99H IT =====> TC 99 * 6.05H		
TC 100	378.6 0.7 (0.4200)	499.8 0.7 (0.0006)	539.6 0.7 (6.6700)	(A)	TC 100 E- =====> RU 100 17. S (N,G), (N,A), (P,N),		
	590.8 0.7 (5.4500)	689.4 0.7 (0.4800)	734.7 0.7 (0.0092)				
	736.9 0.7 (0.0200)	822.5 0.7 (0.0644)	1024.5 0.7 (0.0319)				
	1201.1 0.7 (0.0405)	1325.7 0.7 (0.0099)	1362.1 0.7 (0.0571)	1512.2 0.7 (0.4180)	1555.7 0.7 (0.0066)		
	1701.0 0.7 (0.0013)	1847.7 0.7 (0.0385)	1865.2 0.7 (0.0126)	2121.2 0.7 (0.0033)	2298.6 0.7 (0.0133)		
	2659.5 0.7 (0.0013)						
TC 101	73. 1. (0.0099)	85. 1. (0.0397)	127.20 0.04 (2.1800)	(A) MO 101 ==>	TC 101 E- =====> RU 101 14. H (N,F),		5.02E+0
	174.9 0.3 (0.0353)	179.57 0.05 (0.4120)	184.09 0.05 (1.4000 2.0)				
	233.70 0.07 (0.1790)	238.25 0.07 (0.2890 5.8)	294.9 0.3 (0.0451)				
	306.85 0.04 (89.4000 1.0)	311.2 0.1 (0.0106)	321.8 0.3 (0.0357)	383.7 0.4 (0.0205)	393.2 0.2 (0.0670)		
	413.3 0.4 (0.0151)	422.2 0.2 (0.0320)	488.9 0.3 (0.0300)	516.0 0.1 (0.0850 9.1)	531.4 0.1 (0.9090)		
	545.0 0.1 (5.6500 7.5)	602.8 0.5 (0.0099)	617.1 0.2 (0.0372)	622.24 0.04 (0.0535)	626.9 0.1 (0.3770)		
	631.4 0.1 (0.0421)	631.5 0.5 (0.0268)	674.1 0.3 (0.0027)	694.2 0.2 (0.0540)	715.4 0.1 (0.0642)		
	720.0 0.1 (0.2090 7.6)	811.0 0.2 (0.0599)	826.2 0.5 (0.0020)	842.61 0.08 (0.2020 7.4)	911.9 0.2 (0.0103)		
	928.76 0.09 (0.0872)	938.13 0.05 (0.0771 7.4)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.V. (U 235)
TC 102H	415.8 0.5 (1.9600)	418.8 0.5 (3.3200)	474.8 0.2 (97.7000)	(A)	TC 102H E- ====> RU 102 4.5 H (N,P),		
	627.5 0.3 (16.6000)	630.8 0.3 (29.0000)	691.8 0.5 (2.6400)				
	695.6 0.5 (2.9300)	904. 1. (0.9770)	921. 1. (0.9770)				
	1046.3 0.3 (12.5000)	1073. 1. (0.9770)	1105. 1. (12.9000)	1115. 1. (0.9770)	1128. 1. (0.9770)		
	1197.8 0.5 (10.6000)	1292.6 0.5 (5.2800)	1331.8 0.5 (3.6200)	1511. 1. (2.8400)	1612.8 0.5 (7.1400)		
	1617.0 0.5 (10.9000)	1710. 1. (5.3800)	1810. 1. (6.8400)	1907. 1. (0.9770)	1950. 1. (0.9770)		
	2142. 1. (0.9770)	2227.0 0.5 (6.9400)	2244.2 0.5 (13.2000)	2339.3 0.5 (0.9770)	2437.8 0.5 (4.5000)		
TC 102	468. (15.0000)	475.1 0.5 (100.0000)	628. (19.0000)	(R) HD 102	==> TC 102 E- ====> RU 102 5. S (N,F),		4.15E+0
	1102. (11.0000)						
TC 104	350. 2. (3.8000)	357.8 0.5 (84.5000)	462. 2. (1.2700)	(A) HQ 104	==> TC 104 E- ====> RU 104 18. H (N,P), (N,F),		1.81E+0
	519. 2. (0.8450)	530.4 0.5 (14.7000)	534.9 0.5 (12.1000)				
	584. 2. (0.4220)	609. 2. (1.6900)	614. 2. (0.8450)				
	629. 2. (1.6900)	792.5 0.5 (2.1100)	838. 2. (0.1690)	883.5 0.5 (12.3000)	892.9 0.5 (7.6000)		
	1157.5 0.5 (2.5400)	1281.9 0.5 (1.2700)	1381. 2. (0.8450)	1396.8 0.5 (1.2700)	1516. 2. (0.8450)		
	1541. 2. (0.8450)	1596.8 0.5 (3.8900)	1612.4 0.5 (5.1500)	1635. 2. (1.2700)	1676.7 0.5 (6.0800)		
	1737.0 0.5 (1.9400)	1910. 2. (1.2700)	1930. 2. (0.4220)	1971. 2. (0.4220)	2094. 2. (0.8450)		
	2124. 2. (3.7200)	2190. 2. (1.3500)	2330. 2. (0.4220)	2465. 2. (0.8450)	2548. 2. (0.8450)		
	2610. 2. (1.3500)	3010. 2. (0.3380)	3146. 2. (1.2700)	3369. 2. (0.5070)	3415. 2. (0.5070)		
	3532. 2. (0.4220)	3635. 2. (0.2530)	3713. 2. (0.1690)				
TC 106	269.83 0.4 (100.0000)	443.7 (1.5000)	522.4 (12.6000)	(R)	TC 106 E- ====> RU 106 * 36. S (N,F),		3.90E-1
	720.8 (7.1000)	792.7 (10.2000)	821.5 (2.6000)				
	1969.2 (*****)	2239.3 (*****)	2267.3 (*****)				
	2395. (*****)	2431.3 (*****)	2502. (*****)	2572. (*****)	2701.7 (*****)		
	2759. (*****)	2777.9 (*****)	2789.8 (*****)	2917.2 (*****)	2946.3 (*****)		
	2990. (*****)	3048.2 (*****)	3060. (*****)	3094.7 (*****)	3187.3 (*****)		
	3260.5 (*****)	3282. (*****)	3364.7 (*****)	3551.7 (*****)			
TC 108	258.5 0.2 (100.0000)	528.4 0.4 (0.2300)		(R)	TC 108 E- ====> RU 108 * 8.34S (N,F),		7.00E-2
TC 110	240.7 0.1 (*****)			(R)	TC 110 E- ====> RU 110 * 0.83S (N,F),		1.80E-2

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
RU 95	254.6 0.4 (*****)	290.32 0.09 (3.9000)	301.0 0.1 (2.3000 8.7)	(A)	RU 95 EC =====> 1.65H	TC 95 *	
	336.4 0.1 (70.0000)	511.006 0.002 (30.0000)	551.6 0.1 (1.6000)		(N,2N), (A,N),		
	591.4 0.1 (1.2000 8.3)	626.84 0.09 (18.0000)	652.8 0.1 (1.0000)				
	735.0 0.3 (0.4400 9.1)	748.5 0.2 (1.6000)	806.4 0.3 (4.2000 9.5)	819.0 0.3 (0.5600)	842.2 0.2 (1.2000 8.3)		
	888.7 0.2 (1.7000)	990.1 0.3 (0.6100 9.8)	1010.6 0.3 (0.6800)	1050.8 0.2 (2.5000 8.0)	1064.5 0.2 (0.7000)		
	1096.9 0.2 (22.0000 9.1)	1120.1 0.2 (0.8500 9.4)	1158.5 0.3 (1.4000 7.1)	1178.8 0.3 (5.3000 9.4)	1182. 1.5 (4.0000)		
	1261.7 0.1 (0.3200 9.4)	1339.8 0.3 (0.2500 8.0)	1352.8 1.1 (0.4400 9.1)	1354.5 0.7 (0.7200 9.7)	1411.0 0.2 (2.4000 8.3)		
	1433.5 0.3 (0.5700)	1459.3 0.3 (2.2000 9.1)	1541.6 0.3 (0.2200 9.1)	1562.2 0.3 (0.1500)	1785.4 0.3 (0.5800)		
	1931.1 0.3 (0.3300 9.1)	1988.0 0.3 (0.7000)	2047.0 0.3 (0.3300 9.1)	2252.0 0.3 (0.3500 8.6)	2324.4 0.3 (1.4000 7.1)		
RU 97	108.9 (0.1470)	215.2 (91.0000)	324.4 (10.7000)	(A)	RU 97 EC =====> 2.88D	TC 97 *	2.40E-02
	461.3 (0.1140)	560.6 (0.3820)	570.0 (0.8000)		(N,G), (A,N),		
	641.5 1.0 (0.0074)	646.9 (0.0500)	754.2 (0.0640)				
	785.5 (0.0850)	856.3 (0.0350)	971.0 1.0 (0.0045)				
RU 103	39.77 0.04 (0.2170)	53.29 0.04 (0.2940 9.1)	65. 1. (0.0089 9.6)	(A) TC 103 ==>	RU 103 E- =====> 39.35D	RH 103	6.26E-01 3.00E+0
	113.50 0.05 (0.0106)	241.8 0.1 (0.0124)	295.10 0.07 (0.2010)		(N,G), (N,F),		
	358. 1. (0.0267 9.9)	443.98 0.06 (0.3000)	497.14 0.06 (89.0000)				
	557.08 0.06 (0.7010 5.5)	610.35 0.06 (4.5000 7.6)					
RU 105	63.6 0.5 (0.0210)	73.0 0.3 (0.0090)	75.3 0.3 (0.0160)	(A) TC 105 ==>	RU 105 E- =====> 4.43H	RH 105 *	1.09E+00 9.00E-1
	82.0 0.3 (0.0260)	85.9 0.3 (0.0320)	87.9 0.3 (0.0400)		(N,G), (N,F),		
	90.0 0.3 (0.0270)	92.0 0.4 (0.0230)	95.8 0.2 (0.0230)				
	99.6 0.2 (0.0130)	129.9 0.2 (5.0000)	139.6 0.4 (0.0300)	149.2 0.2 (1.6700)	163.6 0.2 (0.1400)		
	183.6 0.2 (0.1000)	225.0 0.2 (0.1500)	245.6 0.4 (0.0290)	255.1 0.2 (0.0620)	263.1 0.2 (7.2000)		
	316.8 0.3 (11.7000)	325.1 0.2 (1.1800)	330.9 0.2 (0.7900)	350.2 0.2 (1.1000)	369.2 0.3 (0.0620)		
	393.4 0.2 (4.2000)	407.5 0.3 (0.1800)	413.5 0.2 (2.4800)	469.5 0.1 (17.5000)	489.6 0.2 (0.5900)		
	499.2 0.2 (2.4000)	500.4 0.4 (0.3000)	513.7 0.2 (0.3600)	539.2 0.3 (0.1300)	559.5 0.3 (0.0870)		
	575.3 0.2 (1.1000)	591.3 0.3 (0.1300)	621.0 0.3 (0.0800)	632.3 0.2 (0.2300)	638.6 0.2 (0.2800)		
	652.6 0.2 (0.3500)	656.1 0.2 (2.4000)	676.2 0.2 (16.7000)	724.4 0.1 (0.4900)	738.3 0.4 (0.0600)		
	806.2 0.3 (0.0470)	822.1 0.2 (0.1900)	845.9 0.2 (0.7300)	852.0 0.2 (0.1400)	875.9 0.1 (3.4000)		
	907.7 0.2 (0.5900)	952.8 0.3 (0.0430)	969.7 0.3 (2.3400)	1017.2 0.2 (0.3400)	1059.0 0.3 (0.0230)		
	1215.2 0.3 (0.0840)	1221.2 0.3 (0.0180)	1250.9 0.3 (0.0230)	1321.3 0.2 (0.2300)	1376.8 0.3 (0.0560)		
	1697.4 0.3 (0.0850)	1720.2 0.3 (0.0320)					
RU 109	116.4 0.1 (51.0000)	358.8 0.3 (100.0000)		(R)	RU 109 E- =====> 34.5 S	RH 109 *	3.00E-2
					(N,F),		
RH 96M	832.3 (100.0000)	1097.8 (29.0000)	1143.7 (1.5000)	(R)	RH 96M E+ =====> 1.45M	RU 96	
	1451.4 (3.0000)	1652.3 (25.0000)	1907.5 (5.0000)				
	1930.0 (1.5000)	2164.1 (12.0000)	2256.5 (7.0000)				
	2430.0 (2.2000)	2456.0 (3.5000)					

NUCLIDE	ENERGY (KEV) INTENSITY		ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
RH 96	511.006 0.003 (*****)	630.7 (78.0000 2.6)	684.6 (100.0000)	(R)	RH 96 $\xrightarrow{E+}$ RU 96 =====> 9.5 H	
	741.2 (32.0000 4.7)	832.3 (100.0000)	1071.0 (2.5000)			
	1164.4 (6.2000)	1228.4 (16.0000 6.2)	1242.7 (1.2000)			
	1276.6 (3.0000)	1362.3 (3.0000)	1461.7 (0.8000)	1607.0 (0.5000)	1648.5 (2.3000)	
	1721.0 (1.0000)	1738.5 (5.4000)	1788.0 (1.8000)	1818.5 (2.0000)	1861.3 (1.8000)	
	1963.6 (1.8000)	2529.0 (1.5000)				
RH 98	511.006 0.002 (*****)	557.7 (0.8000)	652.6 (100.0000)	(R)	RH 98 $\xrightarrow{E+}$ RU 98 =====> 8.3 H	
	745.4 (5.6000)	762.3 (1.8000)	1164.4 (4.8000)			
	1414.9 (1.2000)	1817.0 (5.0000)				
RH 99H	89.6 0.2 (1.4100)	232. 1. (0.2000)	251.0 0.5 (0.4240)	(A)	RH 99H $\xrightarrow{EC}$ RU 99 =====> 4.7 H (P,N), (D,N),	
	277.2 0.4 (1.6700 7.6)	322.32 0.05 (1.6600)	340.6 0.4 (64.0000 8.2)			
	353. 1. (0.2000)	379. 1. (0.2000)	486.28 0.08 (0.6990)			
	502. 1. (0.2600)	511.006 0.002 (22.0000)	528.4 0.4 (1.8900 8.3)	558. 1. (0.2560)	575.7 0.3 (0.4830)	
	618.0 0.4 (13.3000 7.5)	643.9 0.6 (0.2560)	659.8 0.4 (0.7150 8.2)	686. 1. (0.9000)	719.8 0.5 (1.2500)	
	733.93 0.06 (0.6370)	920.2 0.9 (1.0800)	937.4 0.7 (2.7800 7.2)	1209.1 0.4 (12.8000)	1260.7 0.5 (15.5000)	
	1323. 1. (0.3200)	1385. 1. (0.3200)	1610. 1. (0.1600)	1761. 1. (0.1600)	1976. 2. (0.0170)	
RH 99	89.5 0.2 (28.4000)	120.1 0.4 (0.0458)	175.45 0.05 (1.7700)	(A)	RH 99 $\xrightarrow{EC}$ RU 99 =====> 16. 0 (P,N), (D,N),	
	232.75 0.05 (0.4590)	295.76 0.08 (1.0200)	322.31 0.05 (5.6700)			
	353.0 0.1 (30.8000)	442.59 0.05 (1.5200)	486.26 0.08 (0.4300)			
	511.006 0.002 (12.0000)	528.52 0.07 (35.0000)	575.4 0.2 (0.1950)	618.08 0.05 (3.7000)	733.94 0.06 (0.2710)	
	764.9 0.2 (0.3400)	807.06 0.06 (1.1400)	850.3 0.4 (0.2100)	896.7 0.2 (0.6340)	940.5 0.3 (1.2500)	
	998.5 0.1 (0.6960)	1009.6 0.2 (0.0504)	1060.7 0.2 (0.1910)	1088.9 0.2 (0.2720)	1208.9 0.4 (0.1620)	
	1292.1 0.7 (0.3500)	1324.9 0.6 (0.1480)	1382.9 0.4 (0.1670)	1441.6 0.4 (0.0320)	1483.0 0.6 (0.1230)	
	1505.1 0.7 (0.0700)	1531.9 0.6 (0.4870)	1572.1 0.5 (0.2140)	1617.4 0.8 (0.2070)	1661.4 0.6 (0.0514)	
	1749.2 0.5 (0.0514)	1970.3 0.5 (0.1050)	2058.6 0.7 (0.0160)			
RH 100	371. 1. (0.4000)	445.5 0.5 (15.8000 5.1)	519.5 0.5 (1.4000)	(R)	RH 100 $\xrightarrow{EC}$ RU 100 =====> 20. H (P,N), (D,N),	
	528. 1. (0.6000)	539.4 0.5 (100.0000)	589.0 0.5 (7.5000 5.3)			
	602. 1. (0.4000)	654.0 0.5 (1.0000)	687.6 0.5 (0.9700 9.3)			
	734.0 0.5 (0.3000)	747.8 0.5 (1.3000)	822.2 0.5 (27.0000 3.7)	964. 1. (0.2000)	1034.1 0.5 (2.0000)	
	1106.3 0.5 (18.0000 8.5)	1342.4 0.5 (6.5000 9.2)	1362.4 0.5 (20.0000 5.0)	1418. 1. (0.2900)	1552.5 0.3 (28.0000 3.6)	
	1557. 1. (1.4000)	1626.4 0.5 (2.5000 8.0)	1930.0 0.5 (14.4000 5.6)	1978. 1. (0.4000)	2165. 3. (0.1300)	
	2376.0 0.5 (40.0000 7.5)	2468.7 0.5 (0.2600 7.7)	2529.4 0.5 (3.3000 9.1)	2782. 1. (0.3100 9.7)	2914. 1. (0.0600)	
	3060. 1. (0.1300)	3069. 1. (0.0400)				
RH 101H	127.13 0.07 (1.2000)	157.3 0.2 (*****)	175.5 0.2 (0.9000)	(R)	RH 101H $\xrightarrow{EC}$ RU 101 =====> 4.4 0	
	183.9 0.2 (0.3000)	197.8 0.2 (*****)	233.2 0.2 (0.4000)			
	237.6 0.3 (0.5000)	306.76 0.06 (100.0000)	331.9 0.4 (0.0600)			
	545.2 0.2 (5.6000)	555.7 0.3 (*****)				

NUCLIDE	ENERGY (KEV) INTENSITY				ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)			
RH 101	127.13	0.07	198.0	0.2	295.4	0.4	(R)	RH 101	EC =====> 3.0 A	RU 101	
	(90.0000	4.0)	(100.0000		(0.9000			(P,N),			
	325.8	0.3	439.55	0.4							
	(23.0000	6.4)	(0.0557								
RH 102H	345.9	0.1	415.3	0.2	418.5	0.1	(A)	RH 102H	EC =====> 2.9 A	RU 102	
	(0.8700		(2.1000		(9.4000	1.1)		(P,N),			
	420.4	0.2	475.06	0.04	628.05	0.05					
	(3.2000	9.4)	(95.0000	4.2)	(8.3000	4.8)					
	631.29	0.05	692.4	0.2	695.6	0.3					
	(56.0000	3.6)	(1.6000		(2.9000						
	697.49	0.08	766.84	0.06	1046.59	0.07	1103.16	0.06	1112.84	0.07	
	(44.0000	4.6)	(34.0000	5.9)	(34.0000	5.9)	(4.6000	6.5)	(1.9000	5.3)	
	1323.6	0.5									
	(0.4600										
RH 102	415.3	0.2	418.5	0.1	456.4	0.1	(A)	RH 102	EC =====> 206. D	RU 102	
	(0.0300		(0.1200		(0.0800			(N,2N), (P,N), (D,N),			
	468.58	0.04	475.06	0.04	511.006	0.002					
	(2.9000	6.9)	(46.0000	6.5)	(25.0000						
	556.60	0.04	628.05	0.05	631.29	0.05					
	(2.0000		(4.5000	8.9)	(0.1000						
	636.8	0.1	680.66	0.05	733.93	0.08	739.58	0.07	930.5	0.3	
	(0.2300		(0.5800	6.9)	(0.1000		(0.5300		(0.0300		
	1046.59	0.07	1103.16	0.06	1105.7	0.3	1158.10	0.06	1362.08	0.2	
	(0.4300	7.0)	(2.9000	3.5)	(0.3900	7.7)	(0.5800	6.9)	(0.3900		
1562.2	0.4	1568.7	0.6	1580.5	0.2	1786.4	0.4	2037.0	0.3		
	(0.1100	(0.1000		(0.0500		(0.0100		(0.0300			
	2261.3	0.4									
	(0.0200										
RH 103P	39.55	0.04					(A) RU 103 ==>	RH 103H	IT =====> 57. H	RH 103	
	(0.0557							(N,N),			
RH 104P	51.4	0.2	77.6	0.2	97.2	0.2	(A)	RH 104H	IT =====> 4.4 H	RH 104 *	1.74E+01
	(47.0000		(2.5000		(2.6000			(N,G),			
	555.8	0.2	739.		768.						
	(0.1800		(0.0016		(1.0000	2)					
	783.		857.		942.						
	(0.0010		(0.0011		(0.0008						
1239.		1293.		1340.		1525.		1625.			
	(0.0069	(0.0020		(0.0009		(0.0013		(0.0006			
	1800.										
	(0.0001										
RH 104	555.8	0.2	1239.				(A) RH 104H ==>	RH 104	E- =====> 43. S	PD 104	2.20E+02
	(2.0000		(0.1200					(N,G),			
RH 105H	129.57	0.08					(R) RU 105 ==>	RH 105H	IT =====> 45. S	RH 105 *	9.00E-1
	(*****							(N,F),			
RH 105	280.1	0.2	306.2	0.2	318.9	0.1	(A) RU 105 ==>	RH 105	E- =====> 35.9 H	PD 105	9.00E-1
	(0.1700	5.9)	(5.2000	3.8)	(19.5000	4.1)		(N,F),			
	442.8	0.7									
	(0.0430										

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (C/G)	FISS. Y. (U 235)
RH 106M	195.1 0.4 (0.6000)	221.8 0.1 (6.5000)	229.6 0.3 (2.1000)	(A)	RH 106M E- =====> PD 106 2.2 H		
	319.6 0.4 (0.8600)	328.3 0.4 (1.2000)	390.8 0.4 (3.5000)		(N,A), (D,A),		
	406.0 0.1 (12.0000)	419.2 0.4 (0.6000)	429.4 0.1 (13.0000)				
	450.8 0.1 (24.0000)	473.2 0.4 (6.8600)	511.7 0.1 (86.0000)	586.0 0.4 (0.8600)	601.3 0.3 (3.0000)		
	616.1 0.1 (20.3000)	645.8 0.2 (2.8000)	680.5 0.3 (1.9000)	703.1 0.2 (4.5000)	716.6 0.3 (29.0000)		
	748.5 0.1 (19.0000)	793.8 0.2 (5.7000)	804.6 0.2 (13.0000)	808.4 0.2 (7.5000)	825.0 0.1 (14.0000)		
	848.0 0.2 (3.6000)	1020.5 0.3 (2.0000)	1046.7 0.1 (31.0000)	1127.62 0.09 (14.0000)	1220.5 0.1 (11.0000)		
	1224.2 0.1 (8.2000)	1395.5 0.1 (2.8000)	1529.4 0.1 (18.0000)	1565.4 0.3 (0.6000)	1573.9 0.2 (6.7000)		
	1724.6 0.2 (2.2000)	1840.6 0.2 (1.9000)	2020. (1.7000)	2260. (0.8600)			
RH 106	328.3 0.4 (0.0002)	427.9 0.4 (0.0600)	435.0 1.1 (0.0500)	(A) RU 106 ==>	RH 106 E- =====> PD 106 30.4 S		3.90E-1
	498.5 1.5 (0.0040)	511.7 0.1 (21.0000)	544.0 0.5 (0.0031)		(N,F),		
	552.9 1.5 (0.0021)	565.7 1.5 (0.0014)	569.2 1.5 (0.0021)				
	578.0 0.4 (0.0084)	588.1 0.6 (0.0010)	601.5 0.3 (0.0016)	616.1 0.1 (0.7100)	622.0 0.2 (9.9000)		
	661.2 0.3 (0.0150)	680.5 0.3 (0.0074)	684.3 0.8 (0.0025)	716.6 0.3 (0.0075)	717.1 0.3 (0.0075)		
	748.5 0.1 (0.0019)	774.6 1.5 (0.0064)	873.1 0.3 (0.4100)	1046.7 0.1 (0.0041)	1050.1 0.1 (1.5000)		
	1062.0 0.3 (0.0260)	1108.8 0.2 (0.0060)	1114.6 0.2 (0.0060)	1127.62 0.09 (0.3900)	1150. 1.5 (0.0004)		
	1159. 2.0 (0.0004)	1179.1 0.4 (0.0060)	1180.6 0.2 (0.0060)	1194.2 0.2 (0.0530)	1220.5 0.1 (0.0004)		
	1231.7 1.2 (0.0007)	1257.0 2.0 (0.0010)	1266.6 1.5 (0.0007)	1305.6 1.0 (0.0029)	1310.7 1.0 (0.0035)		
	1316.8 1.5 (0.0037)	1355.0 0.6 (0.0006)	1359.9 0.6 (0.0012)	1397.3 0.4 (0.0031)	1457.8 0.5 (0.0010)		
	1488.9 0.6 (0.0017)	1496.4 0.2 (0.0250)	1562.0 0.2 (0.1500)	1573.9 0.2 (0.0009)	1579.8 1.0 (0.0016)		
	1592.7 1.0 (0.0008)	1600.7 1.2 (0.0008)	1605.7 1.5 (0.0008)	1686.1 2.0 (0.0010)	1730.0 1.5 (0.0014)		
	1733.1 0.6 (0.0016)	1766.1 0.2 (0.0240)	1775.0 1.5 (0.0006)	1784.0 2.0 (0.0003)	1789.0 2.0 (0.0003)		
	1796.6 0.2 (0.0250)	1854.8 0.4 (0.0008)	1904.0 0.8 (0.0003)	1909.4 0.8 (0.0007)	1926.8 0.2 (0.0060)		
	1927.2 0.3 (0.0060)	1950.4 1.5 (0.0006)	1956.9 2.0 (0.0006)	1988.5 0.2 (0.0210)	2014. 2.0 (0.0004)		
	2033.9 1.0 (0.0003)	2041.9 1.5 (0.0003)	2094.1 1.5 (0.0006)	2112.7 0.2 (0.0340)	2193.2 0.6 (0.0028)		
	2194.0 0.6 (0.0028)	2242.4 0.8 (0.0014)	2271.7 0.5 (0.0014)	2308.7 0.4 (0.0030)	2309.4 0.4 (0.0030)		
	2317.6 0.5 (0.0058)	2366.5 0.2 (0.0230)	2390.8 0.3 (0.0066)	2406.1 0.2 (0.0140)	2438.5 0.3 (0.0039)		
	2485.7 1.0 (0.0005)	2525.2 2.0 (0.0001)	2543.4 0.3 (0.0025)	2571.2 0.3 (0.0014)	2651.6 0.7 (0.0007)		
	2706.6 0.3 (0.0031)	2709.4 0.3 (0.0035)	2783.5 1.0 (0.0001)	2809.5 0.6 (0.0004)	2821.2 0.4 (0.0011)		
	2917.9 0.8 (0.0010)	3036.8 0.6 (0.0010)	3055.6 0.1 (0.0003)	3161.5 2.0 (0.0000)	3169.0 2.0 (0.0000)		
RH 107	80.1 0.3 (0.0500)	115.7 0.2 (0.5200)	219.4 0.5 (0.1000)	(A) RU 107 ==>	RH 107 E- =====> PD 107 22. H		1.90E-1
	232.4 0.3 (0.2100)	266.1 0.2 (0.2800 7.14)	277.6 0.2 (1.7000)		(N,F), (A,P),		
	288.3 0.2 (0.7300)	302.8 0.2 (65.9000)	312.2 0.2 (4.7900)				
	321.8 0.2 (2.2600)	348.2 0.2 (2.2700)	357.8 0.2 (0.4100)	367.3 0.2 (1.9100)	381.9 0.2 (0.6500)		
	392.5 0.2 (8.7500)	431.7 0.5 (0.0260)	451.9 0.2 (0.5100)	471.2 0.3 (0.1200)	511.7 0.5 (0.0300)		
	521.2 0.6 (0.0200)	554.4 0.3 (0.0780)	567.7 0.2 (1.1500)	670.1 0.2 (2.2200)	709.5 0.5 (0.0750)		
	720.4 0.6 (0.0130)	753.8 0.8 (0.0130)	789.9 0.4 (0.0890)	836.5 1.0 (0.0150)	845.4 1. (0.0250)		
	863.4 1. (0.0370 8.11)	1120.0 1. (0.0240)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
RH 109	151.4 0.5 (3.6000)	177.3 0.2 (20.0000)	215.1 0.3 (3.0000)	(R) RU 109 ==>	RH 109 E- =====> PD 109 * 90.1 S (N,F),		3.00E-2
	326.8 0.3 (100.0000)						
RH 110	282. 2. (3.9000)	374. 1. (100.0000)	399. 1. (15.5000)	(R)	RH 110 E- =====> PD 110 34. S (N,F), (N,P),		1.80E-2
	440. 1. (27.6000)	547. 1. (3.9300)	584. 1. (11.9000)				
	653. 1. (11.9000)	688. 1. (29.1000)	814. 2. (*****)				
	838. 1. (18.0000)	905. 1. (20.3000)	1060. (*****)	1100. (*****)	1240. (*****)		
RH 111	249.5 0.3 (63.0000)	291.3 0.3 (100.0000)		(R)	RH 111 E- =====> PD 111 * 62.7 S (N,F),		1.90E-2
RH 112	242.3 0.2 (*****)			(R)	RH 112 E- =====> PD 112 * 5.17S (N,F),		1.00E-2
PD 98	62.5 0.5 (0.1800)	67.7 0.2 (14.1000 4.2)	106.8 0.2 (22.8000 3.5)	(R)	PD 98 EC =====> RH 98 * 17.9 H		
	112.4 0.2 (100.0000)	174.4 0.2 (10.7000)	386.0 0.2 (2.0000)				
	661.7 0.5 (30.0000 6.7)	663.0 0.2 (52.8000)	725.7 0.4 (10.2000)				
	837.9 0.4 (30.3000)						
PD 99	59.2 0.5 (*****)	136.4 0.5 (100.0000)	263.3 0.5 (1.8000)	(R)	PD 99 E+ =====> RH 99 * 22. H (A,N),		
	263.5 0.5 (28.0000 7.2)	368. 1. (0.6000)	386. 1. (5.8000 7.0)				
	399.6 0.5 (6.6000 7.7)	410. 1. (3.5000)	427.5 0.5 (4.3000 9.4)				
	511.006 0.002 (*****)	648. 1. (3.4000)	673. 1. (19.0000 1.9)	785. 1. (5.0000 2.2)	810. 1. (1.8000)		
PD 101	24.4 0.1 (20.3000 3.9)	111.8 0.6 (0.0200)	129.7 1.0 (0.0800)	(R)	PD 101 EC =====> RH 101H* 8.3 H		
	158.4 0.6 (0.1300)	269.66 0.05 (30.9000 3.2)	296.25 0.05 (100.0000)				
	305.3 0.6 (0.1900)	320.64 0.08 (3.2000 6.2)	355.1 0.1 (1.3000 7.6)				
	380.8 0.3 (0.1600)	427.5 0.1 (0.5700)	435.0 0.3 (0.4000)	453.57 0.09 (3.3000 6.1)	492.3 0.7 (0.0400)		
	496.1 0.6 (0.2000)	511.006 0.002 (*****)	565.77 0.06 (18.0000 7.4)	590.36 0.05 (62.0000)	611.4 0.2 (0.5000 1.6)		
	619.6 0.2 (0.1900)	702.6 0.2 (0.0800)	723.76 0.06 (12.0000 5.8)	748.35 0.08 (2.6000 7.7)	790.2 0.5 (0.1300)		
	796.6 0.4 (0.1500)	821.2 0.6 (0.1100)	853.9 0.1 (0.4800)	881.3 0.1 (0.6200)	914.7 0.2 (0.3700)		
	965.4 0.3 (0.1400)	992.80 0.07 (4.8000 6.3)	1014.6 0.3 (0.1100)	1041.7 0.3 (0.3300)	1072.6 0.4 (0.0900)		
	1163.6 0.6 (0.0500)	1165.7 0.6 (0.1500)	1177.59 0.08 (1.9000)	1202.03 0.06 (7.8000)	1218.27 0.08 (2.8000)		
	1289.03 0.06 (12.0000 5.0)	1311.85 0.09 (1.5000)	1342.3 0.2 (0.1100)	1391.0 0.6 (0.0300)	1433.2 0.2 (0.1500)		
	1514.5 0.2 (0.1400)	1607.3 0.3 (0.1200)	1632.0 0.3 (0.0900)	1638.2 0.2 (0.0500)	1725.3 0.4 (0.0400)		
PD 103	39.747 0.008 (0.0788)	53.30 0.09 (0.0000)	62.4 0.1 (0.0038)	(A)	PD 103 EC =====> RH 103 18.4 D (N,G), (P,N), (D,2N),	7.05E-02	
	294.9 0.1 (0.0109 9.8)	317.4 0.3 (0.0001)	357.2 0.3 (0.0634)				
	443.5 0.1 (0.0000)	497.0 0.1 (0.0144 8.2)					
PD 107H	214. (75.0000)			(A)	PD 107H IT =====> PD 107 22. S	1.22E-01	

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
PD 109H	188.9 0.2 (58.0000)			(A)	PD 109H ^{IT} =====> 4.69H (N,G),	PD 109 * 1.06E-01	
PD 109	44.7 0.2 (0.0015 9.4)	88.037 0.004 (3.8900 9.2)	103.7 0.2 (0.0005)	(A) RH 109 ==>	PD 109 ^{E-} =====> 13.46H (N,G), (N,F),	AG 109	4.90E+0
	134.4 0.2 (0.0013)	145.5 0.2 (0.0010)	309.2 0.4 (0.0033 9.6)				
	311.32 0.09 (0.0294 9.0)	390.6 0.3 (0.0011)	413.04 0.09 (0.0075 8.9)				
	415.02 0.09 (0.0150 9.1)	423.9 0.2 (0.0013)	447.5 0.2 (0.0011)	454.2 0.2 (0.0008)	469.7 0.7 (0.0000)		
	496.9 0.5 (0.0001)	551.3 0.2 (0.0008)	558.2 0.2 (0.0032 9.1)	602.48 0.09 (0.0114 9.0)	636.4 0.2 (0.0137 9.1)		
	647.30 0.09 (0.0333 7.1)	702.0 0.2 (0.0049 8.8)	707.0 0.2 (0.0023 9.2)	724.6 0.3 (0.0004)	736.7 0.2 (0.0026 9.0)		
	778.3 0.4 (0.0013)	781.4 0.2 (0.0165 8.7)	822.9 0.3 (0.0002)	862.9 0.4 (0.0001)	966.3 0.4 (0.0000 5.8)		
	1010.5 0.4 (0.0000 5.8)						
PD 111H	59.9 0.1 (0.6900)	70.5 0.2 (7.4300 7.8)	119. 1. (0.0584)	(A)	PD 111H ^{IT} =====> 5.5 H (N,G),	PD 111 * 6.68E-03	
	166.8 0.5 (0.0531)	169.4 0.5 (0.7430)	172.2 0.5 (32.4000 4.5)				
	178. 1. (0.0265)	263. 1. (0.0212)	273.0 0.5 (0.1330)				
	289.8 0.5 (0.7430)	308. 1. (0.1330)	316.9 0.5 (0.0159)	358.1 0.5 (0.4250)	376.7 0.3 (0.7430)		
	391.3 0.5 (5.3100 3.0)	415. 2. (3.6100)	418. 1. (0.0531)	439.2 0.5 (0.2550)	455. 1. (0.1330)		
	476.7 0.5 (0.0531)	485.9 0.5 (0.5840)	504. 1. (0.0531)	519.2 0.5 (0.1060)	525.6 0.5 (1.3300)		
	552.5 0.7 (0.2760)	556.3 0.7 (0.1750)	575.1 0.5 (3.7200 7.8)	617. 1. (0.0796)	623.2 0.5 (0.2660)		
	632.7 0.5 (3.5600)	645.6 0.5 (0.1060)	654. 1. (0.1860)	668.3 0.5 (1.1200)	694.1 0.5 (2.1200 8.1)		
	697. 1. (0.0531)	703.6 0.7 (0.6900)	716. 1. (0.0425)	719. 1. (0.1910)	724.6 0.5 (0.2440)		
	746.2 0.6 (0.0531)	752.7 0.5 (0.0796)	762.0 0.5 (1.1200)	797.6 0.5 (0.9560)	809. 1. (0.0531)		
	817. 1. (0.0903)	828. 1. (0.1060)	863. 1. (0.1330)	882. 1. (0.2120)	917. 1. (0.0531)		
	945. 1. (0.1060)	976. 1. (0.2120)	997. 1. (0.2660)	1001. 1. (0.1060)	1022.5 0.7 (0.1060)		
	1029. 1. (0.0690)	1046. 1. (0.0743)	1063. 1. (4.0000 3.6)	1076. 1. (0.8000 4.0)	1088. 1. (0.2660)		
	1099. 1. (0.1220)	1115.6 0.7 (1.1200)	1140. 2. (0.1060)	1163.1 0.5 (0.3190)	1200. 1. (0.3190)		
	1224. 1. (0.0478)	1283. 1. (1.2200)	1309. 1. (0.0531)	1391. 1. (0.0372)	1418. 1. (0.0956)		
	1651.1 0.5 (0.9560)	1691.1 0.5 (1.4300 8.0)	1721.8 0.5 (0.2870)	1775.2 0.5 (0.4990)	1905. 1. (0.0796)		
	1939. 1. (0.0796)	1971. 1. (0.7430)	2064. 1. (0.0265)	2086. 1. (0.0425)			

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
PD 111	59.9 0.1 (0.5170 8.5)	70.5 0.2 (0.6570)	101.7 0.5 (0.0016)	(A) RH 111	==> PD 111 E- 22. M (N,G), (N,F),	AG 111 * 3.61E-02	1.90E-2
	141.8 0.5 (0.0004)	166.8 3.5 (0.0082)	169.4 0.5 (0.0493)				
	202.1 0.5 (0.0057)	230.5 0.5 (0.0164)	279. 1. (0.0049)				
	298.8 0.5 (0.0796 5.9)	308. 1. (0.0057)	316.9 0.5 (0.0148)	352.6 0.5 (0.0107)	376.7 0.3 (0.4520 4.7)		
	391.3 0.5 (0.0328)	404.9 0.5 (0.0706)	418. 1. (0.0041)	438.7 0.5 (0.0517)	476.7 0.5 (0.0657)		
	479. 1. (0.0164)	485.9 0.5 (0.0328)	494. 1. (0.0082)	508.9 0.5 (0.2300 7.8)	516.5 0.5 (0.0164)		
	519.2 0.5 (0.0082)	541. 1. (0.0148)	547.1 0.5 (0.3610 5.5)	552.9 0.5 (0.0164)	572. 1. (0.0082)		
	580.1 0.5 (0.8210 3.0)	603. 1. (0.0082)	611.4 0.5 (0.0123)	623.2 0.5 (0.3200 8.3)	624. 1. (0.0164)		
	635. 1. (0.0032)	642.0 0.5 (0.0468)	650.6 0.5 (0.5580 6.6)	657.7 0.5 (0.0140)	685.7 0.5 (0.0369)		
	710.0 0.5 (0.1230)	743. 1. (0.0115)	746.2 0.6 (0.0115)	773. 1. (0.0041)	775.6 0.5 (0.0378)		
	794. 1. (0.0123)	803.9 0.7 (0.0328)	809. 1. (0.0246)	817. 1. (0.0073)	828. 1. (0.0041)		
	833. 1. (0.0082)	835.8 0.5 (0.2790 6.6)	890. 1. (0.0041)	920.5 0.7 (0.0123)	937. 1. (0.0065)		
	950. 1. (0.0082)	955.1 0.7 (0.0328)	1002.2 0.7 (0.0493)	1015. 1. (0.0082)	1022.5 0.7 (0.0065)		
	1027. 1. (1.0000 3.0)	1053. 1. (0.0041)	1060. 1. (0.0123)	1067.1 0.5 (0.0123)	1098. 1. (0.0065)		
	1120.2 0.5 (0.1480)	1246. 1. (0.0032)	1269.7 0.8 (0.0082)	1311. 1. (0.0073)	1388.4 0.5 (0.6980 9.9)		
	1395. 1. (0.0041)	1458.7 0.5 (0.7230 9.6)	1506. 1. (0.0008)	1542. 1. (0.0238)	1549. 1. (0.0049)		
	1574. 1. (0.0304)	1644. 1. (0.0189)	1705. 1. (0.0008)	1863. 1. (0.0024)	1933. 1. (0.0008)		
AG 102H	556.7 0.2 (32.0000)	977.7 0.3 (2.0000)	1461.1 0.4 (3.4000)	(R)	AG 102H ==> PD 102 8. M		
	1534.8 0.4 (2.0000)	1588.8 0.4 (0.9000)	1692.3 0.4 (1.7000)				
	1834.7 0.3 (7.4000)	2017.8 0.4 (2.1000)	2054.5 0.4 (5.0000)				
	2159.4 0.4 (3.8000)	2566.9 0.5 (0.6000)	2682.1 0.4 (1.3000)	2716.5 0.4 (1.4000)	3238.6 0.4 (3.7000)		
AG 102	511.006 0.002 (*****)	556.7 0.2 (69.0000)	603.6 0.2 (1.2000)	(R)	AG 102 E+ 13. M (P,N),	PD 102	
	719.4 0.2 (41.0000)	835.4 0.3 (9.7000)	865.7 0.3 (2.6000)				
	891.5 0.3 (2.9000)	937.4 0.4 (0.8000)	964.4 0.4 (1.0000)				
	977.4 0.3 (1.5000)	1025.0 0.3 (3.0000)	1055.5 0.4 (0.6000)	1257.1 0.3 (9.0000)	1474.3 0.4 (1.9000)		
	1522.7 0.4 (19.0000)	1534.8 0.4 (1.6000)	1555.8 0.4 (1.8000)	1581.6 0.3 (9.7000)	1744.5 0.3 (12.2000)		
	1800.7 0.4 (2.0000)	1890.1 0.5 (0.5000)	2242.9 0.5 (0.7000)				
AG 104H	460.7 0.3 (0.0910)	479.2 0.2 (0.0730)	483.6 0.3 (0.0120)	(A)	AG 104H EC 33.5 M (N,G), (N,F),	PD 104	
	511.006 0.002 (*****)	555.8 0.2 (61.0000)	767.6 0.2 (0.6100)				
	777.7 0.3 (0.4300)	785.7 0.2 (1.3000)	934.6 0.2 (0.3000)				
	996.1 0.3 (0.3300)	1020.8 0.3 (0.0610)	1191.5 0.4 (0.1200)	1238.8 0.3 (2.6000)	1265.2 0.3 (0.3000)		
	1341.8 0.3 (1.1000)	1689.5 0.4 (0.6100)	1720.8 0.4 (1.2000)	1781.8 0.4 (1.4000)	1794.6 0.4 (0.2700)		
	1890.6 0.4 (0.0910)	1977.5 0.4 (0.5800)	2065.9 0.5 (0.1500)	2139.2 0.5 (1.1000)	2276.7 0.4 (1.6000)		
	2338.3 0.3 (0.6100)	2362.4 0.5 (0.3000)	2419.6 0.4 (0.4700)	2522.7 0.4 (0.5800)	2626.9 0.4 (0.6100)		
	2657.5 0.5 (0.2100)	2705.0 0.5 (0.0910)	2729.5 0.5 (0.7900)	2852.5 0.5 (0.2100)	2918.8 0.5 (0.1200)		
	3034.0 0.5 (0.1500)	3213.6 0.5 (0.9700)	3275.9 0.5 (0.1200)	3407.8 0.5 (0.9700)	3473.9 0.5 (0.0670)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
AG 104	179.3 0.3 (1.0000)	183.2 0.3 (0.5000)	263.2 0.2 (0.7000)	(A)	AG 104 EC =====> PD 104 69.2 H		
	289.7 0.2 (1.3000)	362.3 0.2 (1.4000)	444.5 0.2 (1.8000)				
	479.2 0.2 (1.1000)	555.8 0.2 (100.0000)	623.2 0.2 (2.7000)				
	659.3 0.3 (0.5000)	740.5 0.5 (7.8000)	758.7 0.2 (6.9000)	767.6 0.2 (72.0000 5.6)	785.7 0.2 (10.0000)		
	839.7 0.2 (1.5000)	857.9 0.2 (11.0000)	863.0 0.3 (7.4000)	892.6 0.3 (0.5000)	908.0 0.3 (4.8000)		
	923.3 0.5 (7.5000)	925.9 0.5 (14.0000)	941.6 0.3 (27.0000 9.3)	954.7 0.3 (6.8000)	1022.9 0.5 (0.6000)		
	1075.3 0.3 (2.3000)	1120.5 0.4 (0.9000)	1265.2 0.3 (4.6000)	1283.9 0.4 (0.8000)	1341.8 0.3 (7.9000)		
	1451.2 0.4 (1.1000)	1526.6 0.3 (7.7000)	1600.2 0.4 (1.1000)	1625.8 0.3 (5.5000)	1709.5 0.5 (1.0000)		
	1781.8 0.4 (3.4000)	1813.7 0.4 (1.0000)	1986.0 0.4 (0.7000)				
AG 105	63.98 (10.8000 6.0)	155.39 (0.3720 8.6)	182.85 (0.3460)	(A)	AG 105 EC =====> PD 105 40. 0		
	280.44 (30.6000 5.9)	284.83 (0.1000)	289.18 (0.1530 9.8)				
	306.25 (0.8640 8.8)	311.64 (0.1300 4.6)	319.16 (4.5000 6.2)				
	325.26 (0.2300 4.3)	328.61 (0.3600 2.8)	331.51 (4.5400 6.4)	344.52 (42.3000 6.2)	360.66 (0.5030 7.4)		
	370.17 (0.8120 6.8)	392.64 (2.2100 6.3)	401.65 (0.2500)	408.00 (0.0640)	414.66 (0.3110 9.9)		
	420.94 (0.1320)	437.12 (0.2100)	443.37 (11.8000 6.2)	527.20 (0.1500)	560.72 (0.6050 7.4)		
	617.85 (1.2000 7.2)	644.55 (11.7000 6.0)	650.72 (2.6700 6.4)	673.21 (1.1300 6.7)	681.90 (0.1100)		
	727.22 (0.1210)	743.31 (0.5580 8.2)	807.46 (1.3000 6.8)	962.43 (0.1320)	1087.94 (4.1300 6.3)		
AG 106H	194.2 1.1 (0.4000)	220.9 0.2 (5.6000)	226.9 1.1 (1.5000)	(R)	AG 106H EC =====> PD 106 8.5 0		
	328.0 0.5 (0.9000)	390.4 0.6 (3.7000)	405.5 0.6 (15.0000)		(A,N),		
	429.0 0.7 (17.0000)	450.6 0.2 (31.0000)	473.8 1.3 (1.2000)				
	511.006 0.002 (100.0000)	584.1 0.4 (0.7000)	600.3 0.5 (1.7000)	615.1 0.5 (22.0000)	679.0 0.6 (2.6000)		
	702.1 0.7 (4.7000)	717.2 0.2 (30.0000)	747.5 0.7 (22.0000)	792.1 0.9 (5.2000)	804.3 0.9 (11.0000)		
	809.1 1.3 (2.3000)	824.2 0.9 (15.0000)	847.3 1.9 (3.5000)	1017.9 0.2 (1.2000)	1043.9 0.3 (30.0000)		
	1119.8 1.1 (0.8000)	1126.4 0.4 (11.0000)	1198.0 0.5 (11.0000)	1221.5 0.6 (7.3000)	1395.7 0.9 (1.9000)		
	1529.8 1.2 (16.0000)	1567.8 2.0 (1.4000)	1575.0 1.6 (6.8000)	1727.9 3.3 (1.5000)	1844.9 4.6 (2.1000)		
AG 106	511.006 0.002 (124.0000)	511.8 0.1 (19.4000)	553. 2. (0.1000)	(A)	AG 106 E+ =====> PD 106 24. H		
	616.0 0.2 (0.4950)	622.0 0.3 (1.6100)	873.3 0.2 (0.7690)				
	1050.1 0.1 (0.6690)	1061.8 0.7 (0.0669)	1127.9 0.1 (0.2810)				
	1194.1 0.3 (0.2140)	1397. 3. (0.0267)	1596.5 0.8 (0.0228)	2709.0 0.6 (0.0134)			
AG 107H	93.2 0.2 (5.0000)			(A) CD 107 ==>	AG 107H IT =====> AG 107 44.3 S		
AG 108H	79.5 0.4 (6.7000)	405.7 1.0 (0.7000)	433.7 0.4 (87.0000)	(A)	AG 108H EC =====> PD 108 127. A		
	613.6 0.3 (91.0000 9.5)	633.0 0.2 (0.1600)	722.6 0.4 (89.0000 9.8)		(N,G),		
	836.5 1.0 (0.0520)	1020.0 3.0 (0.8700)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. V. (U 235)
AG 108	434.0 0.1 (0.4490 2.8)	457.0 0.8 (0.0011)	511.006 0.002 (0.4770)	(A)	AG 108 E- ====> 2.42H (N,G),	CD 108 2.71E+01	
	618.8 0.1 (0.2420 3.2)	632.9 0.1 (1.6300 2.6)	880.2 0.2 (0.0028)				
	930.7 0.6 (0.0004)	1007.1 0.3 (0.0125 4.6)	1105.8 0.3 (0.0014)				
	1441.1 0.3 (0.0023 9.7)	1441.2 0.5 (0.0023)	1540.1 0.4 (0.0009)				
AG 109M	88.0 0.2 (5.0000)			(A) PD 109 ==>	AG 109M IT ====> 40. S	AG 109	
AG 110M	68. 1. (0.0094)	120.0 0.1 (0.1130)	133.1 0.4 (0.0942)	(A)	AG 110M E- ====> 252.2 D (N,G), (N,P),	CD 110 2.57E+00	
	219.7 0.3 (0.0942)	221.4 0.3 (0.1040)	229.0 0.3 (0.0301)				
	266. 1. (0.0942)	365.1 0.1 (0.1040)	386.6 0.2 (0.0405)				
	396.7 0.3 (0.0339)	446.87 0.06 (3.4000 2.1)	565.8 0.7 (0.7540)	620.37 0.07 (2.3300 2.2)	626.1 0.1 (0.1810 1.0)		
	657.74 0.01 (94.2000 0.6)	667.6 0.6 (0.7540)	677.58 0.02 (9.9700 2.8)	686.89 0.04 (6.3600 1.3)	706.68 0.02 (16.3000 0.9)		
	744.24 0.02 (4.8900 2.0)	752.9 0.7 (0.3770)	763.93 0.02 (22.2000 0.9)	776. 1. (0.1510)	785.4 0.7 (0.2830)		
	818.02 0.02 (6.9600 1.0)	847. 1. (0.0942)	859. 1. (0.1880)	867. 1. (0.3770)	884.67 0.01 (72.2000 1.3)		
	896. 2. (0.0659)	912. 2. (0.0942)	937.48 0.02 (33.9000 0.9)	997.1 0.1 (0.1400 2.4)	1018.7 0.4 (0.0282)		
	1085.7 0.3 (0.0546)	1117.4 0.3 (0.0367)	1125.7 0.3 (0.0245)	1252. 2. (0.0546)	1334.4 0.2 (0.1510 1.0)		
	1384.24 0.03 (25.7000 0.9)	1443.0 0.8 (0.1040)	1475.73 0.03 (4.3200 1.0)	1504.93 0.05 (14.1000 0.9)	1525. 2. (0.3300)		
	1562.22 0.05 (1.4900 3.0)	1580.0 0.9 (0.0094)	1646. 3. (0.0197)	1688. 3. (0.0094)	1784.1 0.9 (0.0942)		
	1903.2 0.3 (0.0942)	2238. 2. (0.0065)					
AG 110	295.9 0.1 (0.0076)	657.70 0.03 (4.5000 7.1)	815.5 0.1 (0.0383)	(A)	AG 110 E- ====> 24.6 S (N,F), (D,N),	CD 110 1.90E-2	
	818.2 0.1 (0.0009)	1125.9 0.1 (0.0149)	1186.2 0.1 (0.0022)				
	1421.5 0.2 (0.0022)	1474.5 0.2 (0.0045)	1630.2 0.2 (0.0022)				
	1674.9 0.2 (0.0067)	1784.4 0.2 (0.0058)	2005.5 0.2 (0.0040)				
AG 111	96.9 0.2 (0.1900)	245.6 0.2 (1.2000)	341.9 0.2 (8.0000)	(A) PD 111 ==>	AG 111 E- ====> 7.45D (N,F), (D,N),	CD 111 1.90E-2	
	524.4 (0.0004)	620.6 0.5 (0.0340)	866.7 0.5 (0.0110)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
AG 112	119.9 1.0 (0.2200)	225.5 1.0 (0.0220)	278.3 1.0 (0.0340)	(A) PD 112	==> AG 112 E- =====> 3.15H (N,A), (D,A), (N,F),	CD 112	1.00E-2
	310.7 1.0 (0.0220)	351.3 1.0 (0.0340)	358.8 1.0 (0.0300)				
	401.1 1.0 (0.0560)	456.8 1.0 (0.0690)	505.0 1.0 (0.0260)				
	528.9 1.0 (0.0170)	535.3 0.8 (0.0520)	557.7 0.9 (0.0340)	606.4 0.4 (3.5000)	617.0 0.3 (43.0000)		
	647.5 1.0 (0.0220)	660.0 1.5 (0.0086)	662.9 1.0 (0.0430)	686.6 1.0 (0.0380)	692.0 1.0 (0.8600)		
	694.2 0.3 (2.6000)	714.0 1.0 (0.0650)	718.1 0.5 (0.1800)	751.6 0.5 (0.0600)	761.9 0.6 (0.0650)		
	784.8 1.0 (0.0260)	797.4 0.3 (0.6000)	803.0 1.5 (0.0390)	814.9 0.5 (0.1200)	836.6 1.0 (0.0130)		
	842.8 1.5 (0.0130)	851.2 0.4 (1.1000)	861.0 0.6 (0.2900)	918.0 0.7 (0.1100)	946.8 0.7 (0.1100)		
	1006.3 0.4 (0.1100)	1062.8 0.6 (0.0860)	1070.7 1.0 (0.0340)	1103.2 0.5 (0.4000)	1125.1 0.6 (0.1800)		
	1193.9 1.0 (0.0390)	1199.2 1.0 (0.0300)	1252.7 0.4 (0.3200)	1281.3 1.0 (0.1100)	1311.7 0.4 (1.1000)		
	1322. 1.0 (0.0260)	1330. 1.0 (0.0650)	1355.9 0.4 (0.5200)	1387.2 0.3 (5.3000)	1397.3 1.0 (0.0430)		
	1411.3 1.0 (0.0300)	1445. 1.0 (0.0430)	1450.5 0.6 (0.1200)	1462. 1.5 (0.0086)	1468.5 0.4 (0.5200)		
	1498.0 1.0 (0.0170)	1501. 1.0 (0.0220)	1503.6 0.5 (0.1500)	1538.1 0.5 (0.4700)	1599. 1.0 (0.0650)		
	1613.2 0.3 (2.9000)	1652.8 1.0 (0.0430)	1682.9 0.8 (0.0520)	1714.9 1.0 (0.0520)	1755.7 1.0 (0.0300)		
	1798.2 0.4 (0.8600)	1888.3 0.5 (0.2800)	1908.4 1.0 (0.0560)	1918.8 1.0 (0.0170)	1944.6 0.8 (0.1200)		
	1952.9 1.0 (0.0470)	1992. 1.0 (0.0340)	2051.0 1.0 (0.1500)	2056.3 0.4 (0.5600)	2068. 1.0 (0.0340)		
	2106.1 0.3 (2.2000)	2147.9 1.0 (0.0770)	2156.4 0.7 (0.0430)	2212.0 0.4 (0.4100)	2330. 1.0 (0.0043)		
	2362. 1.5 (0.0043)	2452. 1.5 (0.0043)	2506. 0.4 (0.9900)	2516. 1.5 (0.0043)	2552. 0.6 (0.0820)		
	2576.7 0.8 (0.0340)	2614. 1.5 (0.0043)	2685.4 0.4 (0.2500)	2723.1 0.7 (0.0470)	2751.7 0.7 (0.0900)		
	2764.8 0.9 (0.0260)	2776. 1.5 (0.0130)	2803.5 1.5 (0.0086)	2829.3 0.4 (0.4000)	2839. 1.5 (0.0130)		
	2852.7 1.2 (0.0170)	2863. 2.0 (0.0086)	2884. 1.0 (0.0170)	2921. 1.0 (0.0130)			
AG 113M	144. 1. (2.9800)	258.5 0.1 (48.0000)	316.1 0.2 (17.5000 4.0)	(A) PD 113	==> AG 113M E- =====> 1.2 H (N,F),	CD 113	1.60E-2
	339. 1. (1.2300 6.4)	373. 1. (0.8750 6.4)	392.1 0.6 (10.5000)				
	410. 1. (1.0500)	583.8 0.2 (18.0000)	709. 1. (2.6300)				
AG 113	97.2 0.3 (0.0216)	206.0 0.5 (0.0144)	218.0 0.5 (0.0180)	(A)	AG 113 E- =====> 5.3 H (N,F),	CD 113	1.60E-2
	258.4 0.2 (1.2500 2.6)	298.5 0.1 (7.2000 2.1)	316.1 0.2 (1.1900)				
	332.7 0.2 (0.4330 4.0)	339.3 0.3 (0.4670 8.2)	364.4 0.2 (0.0415)				
	374.3 0.5 (0.0144)	381.8 0.2 (0.0822 8.2)	392.4 0.5 (0.0144)	539. 1. (0.0108)	583.8 0.2 (0.1780 7.1)		
	672.4 0.2 (0.6820)	681.0 0.2 (0.3790)	735. 1. (0.0144)	810.3 0.8 (0.0144)	883.8 0.2 (0.2140)		
	896.3 0.3 (0.0366)	931.3 0.8 (0.0144)	988.8 0.2 (0.3130 6.4)	1035. 1. (0.0108)	1050.1 0.4 (0.0360)		
	1126.7 0.4 (0.0432)	1181.1 0.4 (0.0360)	1194.9 0.2 (0.2870 5.3)	1475.4 0.4 (0.0720)			
AG 114	558.0 0.4 (9.9800)	576.1 0.5 (0.8080)	651.3 0.6 (0.3290)	(A)	AG 114 E- =====> 4.5 S (N,P), (N,F),	CD 114	1.40E-2
	747. 3. (0.0699)	808.2 0.7 (0.2990)	1208. 3. (0.1500)				
	1286. 3. (0.0699)	1302.9 0.6 (0.5490)	1364. 1. (0.1800)				
	1660.6 0.9 (0.2590)	2455. 2. (0.1700)					

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
AG 115	131.4 0.2 (4.6400 9.0)	213.5 0.2 (9.0000 8.4)	229.7 0.2 (32.3000 8.0)	{A} PD 115	==> AG 115 E- =====> 20. M	CD 115 *	1.04E-2
	237.1 0.4 (0.7100)	243.5 0.4 (0.5810)	277.4 0.5 (0.1290)		{N,F},		
	303.3 0.2 (1.1000 9.9)	326.5 0.2 (3.3900)	360.9 0.2 (1.0700)				
	372.6 0.2 (3.2900)	399.3 0.2 (0.6130)	417.3 0.4 (0.5480)		473.2 0.2 (6.0300 9.3)	507.7 0.2 (2.2900)	
	539.6 0.3 (0.2260)	548.3 0.3 (0.3550)	585.0 0.3 (0.2580)		649.9 0.2 (4.4500)	699.2 0.2 (3.2600)	
	719.0 0.4 (0.1200)	750.0 0.4 (0.1610)	777.9 0.3 (1.0000)		820.9 0.4 (0.1290)	830.6 0.4 (0.1940)	
	852.4 0.4 (0.1610)	862.8 0.4 (0.1610)	932.8 0.4 (0.1940)		963.8 0.3 (0.7740)	1091.9 0.3 (0.6450)	
	1127.7 0.5 (0.3230)	1135.1 0.4 (0.8390)	1151.6 0.4 (0.3230)		1183.3 0.4 (0.4520)	1223.0 0.4 (0.2260)	
	1364.0 0.5 (0.3670)	1379.9 0.4 (0.9350)	1395.0 0.5 (0.2900)		1407.1 0.5 (0.3230)	1435.6 0.5 (0.2580)	
	1463.9 0.4 (0.3710)	1507.4 0.2 (2.1600)	1608.6 0.4 (0.3230)		1648.8 0.4 (0.6450)	1653.0 0.5 (0.3230)	
	1665.1 0.4 (0.3870)	1713.8 0.5 (0.2580)	1795.4 0.4 (0.4840)		1842.0 0.2 (2.8400)	1884.9 0.4 (0.6770)	
	1911.7 0.4 (0.3550)	1927.6 0.2 (2.2600 8.1)	2021.8 0.5 (0.0967)		2081.3 0.5 (0.1610)	2114.2 0.2 (1.9700 9.4)	
	2150.8 0.2 (5.1600 3.2)	2295.4 0.4 (0.0967)	2315.2 0.4 (0.0967)		2387.8 0.3 (0.3230)	2435.3 0.4 (0.0967)	
	2449.0 0.4 (0.0645)	2487.8 0.4 (0.1610)	2495.4 0.4 (0.2580)		2529.7 0.4 (0.0967)	2574.6 0.4 (0.0645)	
	2665.4 0.4 (0.0967)	2908.1 0.4 (0.1610)					
AG 116M	513.5 1.0 (100.0000)	666.2 1.0 (4.0000)	699.7 1.0 (14.5000)	{R}	AG 116M IT =====> 10. S	AG 116 *	1.80E-2
	705.3 1.0 (36.5000)	806.8 1.0 (6.5000)	1029.8 1.0 (14.0000)		{N,F},		
	1213.2 1.0 (6.3000)						
AG 116	513.5 1.0 (100.0000)	640.5 1.0 (3.4000)	699.7 1.0 (13.0000)	{R}	AG 116 E- =====> 3. M	CD 116	1.80E-2
	835. 1.0 (4.7000)	1213.2 1.0 (7.6000)			{N,F},		
AG 118	487.1 1.0 (100.0000)	677.9 1.0 (43.0000)	770.6 1.0 (5.5000)	{R}	AG 118 E- =====> 4.5 S	CD 118 *	1.00E-2
	781.8 1.0 (5.5000)	757.8 1.0 (7.9000)	1060.0 1.0 (7.5000)		{N,F},		
	1269.7 1.0 (3.1000)						
AG 120	203.2 1.0 (13.2000)	505.5 1.0 (100.0000)	697.6 1.0 (43.0000)	{R}	AG 120 E- =====> 1.3 S	CD 120 *	1.00E-2
	818.4 1.0 (15.0000)	1323.5 1.0 (10.8000)			{N,F},		
CD 104	66.7 0.2 (7.2000)	83.5 0.2 (100.0000)	123.7 0.2 (0.5500)	{R}	CD 104 EC =====> 57. M	AG 104 *	
	150.2 0.2 (0.1700)	559.0 0.2 (8.0000)	625.6 0.2 (2.7000)				
	709.2 0.2 (24.5000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
CD 105	84.7 (0.2700)	172.9 (0.0770)	191.9 (0.0770)	(R)	CD 105 EC =====> 55. M (A,N),	AG 105 *	
	230.5 (0.1200)	253.6 (0.1200)	262.7 (0.1500)				
	292.2 (0.1500)	307.7 (1.2000)	319.0 (1.0000)				
	347.1 (3.2000)	433.1 (2.6000)	510.8 (100.0000)	511.006 0.002 (*****)	531.2 (0.1100)		
	538.2 (0.5000)	555.4 (0.2700)	570.2 (0.0380)	606.6 (3.8000)	634.8 (0.1900)		
	647.8 (1.0000)	702.6 (0.1900)	709.2 (0.1200)	745.5 (0.4200)	755.8 (0.0770)		
	774.8 (0.0770)	925.9 (0.0770)	884.0 (0.5000)	920.5 (0.2300)	933.4 (0.8500)		
	947.5 (0.4600)	961.1 (3.8000)	988.0 (0.1200)	998.0 (0.1900)	1012.6 (0.0380)		
	1031.3 (0.1900)	1037.7 (0.4600)	1043.4 (0.3500)	1071.1 (1.0000)	1168.7 (0.0770)		
	1209.8 (0.1500)	1239.3 (0.1200)	1274.1 (0.6200)	1301.8 (3.8000)	1321.2 (0.1200)		
	1338.8 (0.7300)	1360.2 (0.4600)	1387.9 (2.7000)	1402.6 (0.3500)	1415.0 (1.5000)		
	1488.3 (0.4200)	1557.4 (1.7000)	1582.6 (0.5000)	1609.4 (0.1900)	1635.2 (0.9200)		
	1643.7 (0.7700)	1664.6 (1.0000)	1692.9 (2.1000)	1724.2 (0.5400)	1831.8 (0.0770)		
	1869.5 (0.6500)	1881.4 (0.1200)	1896.6 (2.0000)	1909.9 (0.5000)	1932.9 (1.6000)		
	1960.6 (0.8500)	1966.1 (0.0770)	1974.8 (0.3100)	1985.9 (0.6500)	2028.2 (0.6100)		
	2054.7 (0.3100)	2117.1 (0.0770)	2155.9 (0.3500)	2171.9 (0.3800)	2203.5 (0.0770)		
	2232.0 (0.1500)	2249.8 (0.4600)	2274.4 (1.6000)	2300.8 (46.0000)	2333.8 (1.7000)		
	2364.6 (0.0380)	2384.7 (0.0770)	2394.0 (0.1900)	2423.9 (0.4200)	2448. (0.0380)		
	2455. (0.0380)	2469. (0.0380)	2526. (0.1200)	2558. (0.0380)	2574. (0.0380)		
	2616. (0.0380)						
CD 107	300.7 (0.0050)	422.6 (0.0400)	511.006 0.002 (0.5600)	(A)	CD 107 EC =====> 6.5 H (N,G),(D,2N), (P,N),	AG 107M*	1.76E-02
	526.4 (0.0070)	596.8 (0.0100)	624.5 (0.0090)				
	719.8 (0.0055)	796.0 (0.0810)	799.8 (0.0025)				
	818.9 (0.0050)	828.9 (0.2100)	898.0 (0.0150)	949.0 (0.0045)	1049.0 (0.0020)		
	1130.0 (0.0120)	1222.4 (0.0017)					
CD 109	22.1 0.1 (*****)	25.0 0.1 (*****)	88.037 0.004 (8.0000)	(A)	CD 109 EC =====> 453. D (N,G),(D,2N),	AG 109M*	2.53E-02
CD 111M	150.8 0.2 (30.0000)	245.35 0.04 (94.2000)		(A)	CD 111M IT =====> 48.6 M (N,G),	CD 111	1.79E-02
CD 113M	263.7 0.3 (0.0230)			(A)	CD 113M E- =====> 13.6 A (N,F),	IN 113	1.60E-2
CD 115M	105.15 0.07 (0.0055)	153.09 0.04 (0.0211)	231.4 0.1 (0.0011)	(A) AG 115 ==>	CD 115M E- =====> 44.8 D (N,G), (N,F),	IN 115M*	5.85E-02 1.04E-2
	260.8 0.1 (0.0011)	316.1 0.2 (0.0032)	336.2 0.2 (0.0066)				
	386.0 0.5 (0.0002)	477.0 0.5 (0.0002)	484.6 0.2 (0.3160 4.4)				
	492.3 0.2 (0.0101)	507.6 0.4 (0.0004)	933.7 0.2 (2.1600 3.5)	941.2 0.5 (0.0006)	1132.5 0.1 (0.0896 6.2)		
	1290.4 0.2 (0.9850 5.2)	1418.2 0.3 (0.0072 9.6)	1448.8 0.3 (0.0181 7.8)	1462.5 0.5 (0.0011)	1485.8 0.3 (0.0005)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (C/G)	FISS.Y. (U 235)
CD 115	35.54 0.62 (0.3600)	231.5 0.1 (0.7600)	260.8 0.1 (2.0500)	(A)	CD 115 E- =====> IN 115H* 53.38H (N,G), (N,F),	1.25E-01	1.04E-2
	267.1 0.6 (0.0600)	336.23 0.05 (44.9000)	492.14 0.06 (9.4500)				
	527.7 0.1 (30.3000)						
CD 117H	97.70 0.06 (2.8100)	168.50 0.03 (0.5620)	298.70 0.03 (0.5620)	(R)	CD 117H E- =====> IN 117 * 3.4 H (N,G),	2.69E-03	
	366.90 0.08 (7.3000)	461.1 0.1 (2.5300)	484.8 0.1 (2.2500)				
	552.9 0.1 (1.2400)	564.4 0.1 (31.0000)	631.7 0.1 (5.9000)				
	747.9 0.2 (12.9000)	762.7 0.1 (3.6500)	860.4 0.5 (18.5000)	931.3 0.3 (8.1500)	1066.0 0.1 (42.7000)		
	1099.0 0.1 (20.2000)	1170.9 0.4 (1.5500)	1209.7 0.5 (0.5620)	1234.5 0.3 (100.0000)	1339.2 0.5 (4.5000)		
	1365.6 0.4 (3.3700)	1432.6 0.3 (21.1000)	1997.40 0.02 (51.1000)	2096.0 0.2 (1.4100)	2322.9 0.3 (14.6000)		
	2400.4 0.3 (1.4100)	2417.0 0.3 (1.9700)					
CD 117	71.11 0.06 (0.8740)	89.71 0.09 (4.7800 8.9)	105.4 0.2 (0.0620)	(A)	CD 117 E- =====> IN 117 * 2.5 H (N,G), (N,F),	5.49E-03	1.10E-2
	132.6 0.2 (0.0310)	150.6 0.2 (0.0930)	160.8 0.3 (0.0715)				
	170.7 0.4 (0.0310)	179.3 0.4 (0.0310)	220.90 0.07 (1.5400 7.6)				
	245.4 0.2 (0.2170)	273.31 0.06 (31.0000 3.5)	280.0 0.3 (0.0930)	284.8 0.3 (0.0620)	292.00 0.09 (0.6010)		
	315.26 0.06 (24.4000 8.1)	344.51 0.06 (19.4000 6.0)	387.93 0.07 (0.4650 8.3)	397.2 0.1 (0.1550 9.4)	419.71 0.09 (0.2360 9.4)		
	434.21 0.06 (11.6000 6.8)	437.9 0.2 (0.0930)	463.09 0.08 (0.9230)	497.9 0.1 (0.1240)	617.3 0.2 (0.1090)		
	626.7 0.2 (0.1240)	699.9 0.2 (0.2480)	712.6 0.2 (0.8870 8.0)	716.3 0.2 (0.2480)	728.7 0.2 (0.2790)		
	736.0 0.2 (0.0930)	743.9 0.6 (0.0959)	747.2 0.4 (0.0930)	787.6 0.2 (0.1550)	831.79 0.06 (2.4400 8.4)		
	850.7 0.5 (0.1240)	860.3 0.5 (0.3320)	862.5 0.2 (0.5580)	880.75 0.05 (4.4500 7.4)	928.8 0.5 (0.3260)		
	945.7 0.1 (1.6400 8.0)	950.1 0.2 (0.3220)	963.4 0.2 (0.6230 9.8)	969.4 0.2 (0.5610 9.2)	1011.6 0.5 (0.1610)		
	1035.5 0.1 (0.2480)	1052.0 0.1 (3.3300)	1053.0 0.2 (0.7750)	1116.9 0.2 (1.0900 9.9)	1120.3 0.5 (0.1550)		
	1125.0 0.2 (0.3720)	1131.6 0.5 (0.0434)	1142.5 0.1 (1.4000 8.1)	1143.8 0.2 (0.1550)	1183.4 0.4 (0.1860)		
	1196.9 0.4 (0.1120)	1205.1 0.5 (0.0930)	1229.2 0.3 (0.6360 9.7)	1232.6 0.6 (0.5730)	1247.9 0.1 (1.2600 7.5)		
	1260.0 0.1 (1.1300 9.5)	1272.8 0.1 (0.7440 9.7)	1291.1 0.1 (0.8060)	1303.4 0.1 (21.6000)	1314.8 0.3 (0.6880)		
	1337.9 0.1 (1.4500)	1362.2 0.4 (0.2480)	1408.7 0.2 (1.3900 8.2)	1422.4 0.3 (0.3100)	1431.2 0.3 (1.1900)		
	1433.6 0.3 (0.1860)	1450.2 0.2 (0.6200 7.1)	1475.4 0.4 (0.4650 8.3)	1486.2 0.4 (0.2170)	1512.4 0.5 (0.0620)		
	1521.3 0.6 (0.0620)	1562.5 0.1 (1.6800)	1576.7 0.3 (12.7000)	1586. 1. (0.0620)	1596.7 0.7 (0.0620)		
	1643. 1. (0.0310)	1652.5 0.3 (0.3410)	1669.4 0.3 (0.1240)	1682.4 0.3 (0.7750 9.4)	1707.1 0.1 (1.0900 9.9)		
	1723.3 0.1 (2.0000 7.9)	1740.0 0.6 (0.0620)	1748.5 0.7 (0.0620)	1756.5 0.9 (0.0310)	1812.2 0.3 (0.0124)		
	1856.8 0.2 (0.2170)	1867.3 0.3 (0.0930)	1957. 2. (0.0186)	2012.9 0.4 (0.1240)	2030.3 0.5 (0.0930)		
	2112.5 0.7 (0.0217)	2168.4 0.9 (0.0620)	2461.7 0.4 (0.0320)	2475.7 0.4 (0.0620)	2540.4 0.4 (0.0310)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
IN 106	225.2 (66.0000)	511.006 0.002 (100.0000)	539.3 (2.0000)	(R)	IN 106 ^{E+} =====> CD 106 5.38M		
	552.5 (3.3000)	610.4 (1.3000)	632.8 (67.0000)		(P,N),		
	811. (0.7000)	861.8 (18.0000)	998.5 (6.0000)				
	1009.6 (4.0000)	1094.5 (1.3000)	1114. (0.7000)	1163.4 (0.7000)	1474. (0.7000)		
	1622.0 (2.0000)	1716.5 (37.0000)	1744.0 (1.0000)	1934.7 (4.0000)	1998.6 (1.0000)		
	2089.8 (1.3000)	2257.6 (2.7000)	2286. (0.7000)	2304.7 (0.7000)	2489. (0.7000)		
	2697. (0.7000)	2755. (0.7000)	2919.6 (1.3000)	3119.5 (0.7000)	3224. (0.7000)		
	3395. (0.7000)	3495.7 (0.7000)	3889. (0.7000)	3912. (0.7000)			
IN 107	205.0 0.3 (100.0000)	303.7 0.3 (1.3000)	320.9 0.3 (20.0000)	(R)	IN 107 ^{EC} =====> CD 107 * 32. M		
	365.6 0.3 (7.4000 2.7)	414.1 0.4 (2.1000 9.5)	416.3 0.4 (3.0000 6.7)		(D,N),		
	456.2 0.5 (1.4000 7.1)	505.4 0.3 (26.5000 3.8)	511.006 0.002 (*****)				
	554.6 0.7 (1.8000)	585.3 1.0 (0.3000)	597.6 0.6 (1.0000)	600.7 0.6 (0.9000)	603.9 0.3 (2.9000)		
	611.2 0.4 (1.4000)	617.7 0.5 (0.5000)	629.3 0.5 (0.5000)	638.1 0.5 (0.3500)	640.7 0.5 (1.1000)		
	649.6 0.6 (0.5000)	676.7 0.8 (0.5000)	700.0 0.8 (0.4000)	702.8 0.6 (0.7000)	715.0 0.6 (1.0000)		
	716.5 0.6 (0.8000)	725.2 0.8 (1.1000)	728.1 0.5 (5.8000 3.5)	762.6 0.6 (1.4000)	807.5 0.8 (1.1000)		
	809.0 0.4 (5.0000 4.0)	869.1 0.6 (1.5000)	903.0 0.6 (1.4000)	915.1 0.6 (2.4000)	921.5 0.5 (3.1000 9.7)		
	938.0 0.8 (0.7000)	947.0 0.8 (1.4000)	954.0 0.8 (0.9000)	984.7 0.6 (0.8000)	995.6 1.2 (0.5000)		
	998.7 0.6 (2.2000)	1038.6 1.5 (0.5000)	1050.5 1.5 (0.5000)	1057.2 0.6 (2.1000)	1063.3 0.8 (2.7000)		
	1085. 2. (0.9000)	1092.5 1.5 (0.5000)	1115.5 2.0 (0.6000)	1142. 1. (0.8000)	1145.6 1.0 (1.6000)		
	1197. 1. (0.9000)	1209.8 1.0 (0.6000)	1236.3 1.0 (0.9000)	1268.4 0.5 (9.0000)	1301. 2. (0.6000)		
	1324.5 1.5 (1.4000)	1343.5 1.0 (2.9000 6.9)	1365.0 1.5 (0.6000)	1377.7 1.5 (2.6000 7.7)	1404.0 2.0 (0.5000)		
	1411.0 1.0 (2.0000)	1455.4 1.0 (1.7000)	1501.0 1.0 (2.0000)	1546.0 1.5 (0.7000)	1556.5 1.0 (1.6000)		
	1571.5 1.0 (2.5000)	1589.3 1.5 (0.7000)	1603.0 1.5 (1.8000)	1609.0 1.5 (0.5000)	1716.8 1.5 (1.0000)		
	1733.5 1.5 (0.5000)	1744.3 1.5 (1.0000)	1767. 2. (0.8000)	1777.0 1.5 (3.0000)	1798. 2. (0.8000)		
	1830. 2. (1.3000)	1853. 2. (0.6000)	1860. 2. (0.9000)	1877. 1. (1.5000)	1922. 1. (3.2000 9.4)		
	1957.0 1.5 (1.1000)	1964. 2. (1.0000)	1980. 2. (1.5000)	1984.5 2.0 (2.5000)	2006.7 1.5 (3.6000)		
	2047.0 1.5 (0.6000)	2064.5 1.5 (3.0000)	2100.3 1.5 (1.5000)	2184.0 1.5 (1.8000)	2202.5 1.5 (0.6000)		
	2264. 2. (0.5000)	2286.0 1.5 (2.2000)	2305.0 1.5 (2.3000)	2332. 2. (0.8000)	2406.5 2.0 (0.5000)		
	2586.5 2.0 (0.5000)	2654. 2. (0.6000)	2666.0 2. (1.5000)	2682. 2. (0.5000)	2718. 2. (0.9000)		

NUCLIDE	ENERGY (KEV) INTENSITY	ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
IN 109	59.5 (*****)	203.3 (100.0000)	223.0 (0.2000)	(R)	IN 109 EC =====> CD 109 * 4.3 H
	259.1 (0.0800)	287.7 (2.1000 5.2)	324.4 (0.5000)		
	326.3 (0.7300 5.5)	347.4 (2.7000 5.6)	420.5 (1.0000 6.0)		
	426.2 (5.3000 4.9)	482.6 (0.1100)	529.7 (0.6900 7.3)	546.1 (0.0700)	584.2 (0.2400)
	614.0 (2.8000)	619.3 (2.6000)	623.8 (7.1000)	630.8 (0.1000)	650.1 (3.8000)
	653.4 (1.9000)	678.9 (1.1200 6.3)	692.3 (0.2400)	704.6 (0.1000)	721.5 (0.9100 5.5)
	728.2 (0.3400 8.8)	731.6 (0.4000 7.5)	754.4 (0.5500 7.3)	765.6 (0.0600)	794.0 (0.7400 8.1)
	900.3 (0.4200 9.5)	922.5 (1.7400 4.6)	831.5 (0.3400 8.8)	842.5 (0.1000)	851.6 (0.2300)
	863.2 (0.2400)	890.8 (0.2800)	901.6 (0.5000 8.0)	925.8 (1.0000 7.0)	930.4 (0.2700)
	949.2 (2.0000 6.0)	998.7 (0.7700 6.5)	1005.0 (0.3000)	1049.8 (1.5000 6.7)	1106.0 (0.3800)
	1148.8 (7.0000 5.7)	1196.2 (2.2000 5.5)	1272.6 (0.7700 6.5)	1346.6 (0.2800)	1352.2 (0.9900 6.1)
	1389.9 (0.1100)	1419.1 (1.7400 6.3)	1475.6 (0.6900 7.3)	1539.8 (0.1500)	1570.7 (0.1800)
	1622.5 (3.0000 6.7)	1772.6 (0.6000 8.3)			
IN 110M	120.2 0.2 (2.5000)	398. 1. (2.6000)	410. 1. (2.3000)	(R)	IN 110M EC =====> CD 110 4.9 H
	461.0 0.5 (8.0000)	561.0 0.8 (5.0000)	581.6 0.8 (10.0000)		
	584.2 0.5 (10.0000)	626.1 0.8 (1.9000)	641.6 0.8 (38.0000)		
	706.8 0.8 (46.0000 4.4)	744.7 0.8 (2.4000)	758.7 0.8 (2.0000)	760.5 0.8 (2.0000)	817.7 0.6 (3.0000)
	843.8 0.8 (4.2000)	896. 1. (3.9000)	937.5 0.5 (100.0000)	997.5 0.5 (15.0000)	1020. 1. (1.1000)
	1046.2 0.8 (1.2000)	1066. 2. (0.2000)	1085.0 0.7 (2.7000 7.4)	1118.0 0.5 (6.5000 5.8)	1162.7 0.8 (0.7000)
	1180.0 0.9 (0.6000)	1195. 1. (0.5000)	1223. 1. (0.5000)	1276. 1. (0.3000)	1305.5 0.6 (0.9000)
	1335.5 0.5 (1.5000)	1344.0 0.8 (0.2500)	1421.0 0.5 (0.8000)	1475.6 0.5 (2.2000 9.1)	1508. 1. (0.4000)
	1525. 2. (4.0000)	1564.0 0.7 (1.1000)	1593. 1. (0.3000)	1624. 1. (0.4100)	1697. 0.8 (0.4200)
	1801.5 0.9 (1.0000)	1903. 1. (0.5500 9.1)	1984. 1. (0.5400 9.3)		
IN 111	171.2 (89.0000)	245.3 (94.0000)		(A)	IN 111 EC =====> CD 111 2.81D
IN 112	511.006 0.002 (*****)	606.4 0.5 (23.4000 1.0)	618.2 0.4 (100.0000 1.0)	(R)	IN 112 E- =====> CD 112 14.4 H
	1252.6 0.9 (5.6000 1.0)	1278. 1. (0.2000 1.0)	1489. 1. (1.2000)		(A,A),
	5652. 2. (0.1000 1.0)				
IN 113M	391.72 0.05 (64.4000)			(A)	IN 113M IT =====> IN 113 99.48M
IN 114M	190.0 0.1 (17.7000)	558.2 0.1 (4.6500)	725.1 0.2 (4.5500)	(A)	IN 114M IT =====> IN 114 * 4.91E-01 50.1 D
	1300.2 0.2 (0.1800)				(N,C),
IN 114	1300.2 0.2 (0.1800)			(A)	IN 114 E- =====> SN 114 1.82E-01 72. S
					(N,C),

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
IN 115H	336.0 0.2 (44.5000 4.5)			(A) CD 115 ==>	IT IN 115H ==>>> IN 115 * 4.48H (N,N),		
IN 116H	99.7 0.5 (0.0150) 262.8 0.2 (0.1200) 355.3 0.1 (0.0500) 463.2 0.2 (0.0500) 705.7 0.3 (0.1600) 932.2 0.3 (0.0700) 1536.3 0.9 (0.0400)	138.33 0.01 (3.3000) 278.5 0.2 (0.1500) 417.02 0.05 (32.4000 4.6) 536.0 0.6 (0.0320) 730.7 0.3 (0.1100) 972.4 0.2 (0.4600) 1753.8 0.6 (2.4400 8.2)	245.0 0.3 (0.0400) 303.6 0.2 (0.1200) 434.9 0.7 (0.0300) 567.4 0.9 (0.0350) 780.4 0.2 (0.3100) 1097.3 0.2 (55.7000 2.7) 2112.1 0.4 (15.0000 6.7)	(A)	IN 116H E- ==>>> SN 116 54.3 H (N,G),	1.10E+02	
IN 116	434.9 0.7 (0.1200) 2112.1 0.4 (0.0100)	932.2 0.3 (0.1000) 2225.5 0.8 (0.0200)	1293.4 0.3 (1.2000)	(A)	IN 116 E- ==>>> SN 116 14. S (N,G),	5.70E+01	
IN 117	158.6 0.1 (87.0000)	315.3 0.1 (*****)	552.6 0.2 (100.0000)	(A) CD 117 ==>	IN 117 E- ==>>> SN 117 45. H (N,F),		1.10E-2
IN 118H	208.6 0.3 (3.5000) 474.4 0.4 (3.2000) 683.2 0.3 (53.0000) 1096.9 0.4 (4.1000) 1503.6 0.6 (1.3000)	227.8 0.6 (1.0000) 560.5 0.8 (1.6000) 813.6 0.3 (3.5000) 1173.2 0.5 (1.4000) 1550. 1. (1.0000)	445.8 0.2 (6.0000) 637.1 0.5 (3.2000) 1050.5 0.5 (83.0000) 1203. 1. (1.2000) 1733.7 0.6 (0.8000)	(A)	IN 118H E- ==>>> SN 118 4.45H (N,P),		
IN 119H	311.3 0.2 (100.0000) 1065.1 0.4 (9.0900) 1249.6 0.3 (6.8200)	897.6 0.4 (1.3600) 1163.7 0.3 (4.6300) 1506.9 0.7 (0.6000)	920.6 0.4 (1.1800) 1225.6 0.5 (5.4600)	(R)	IN 119H E- ==>>> SN 119 18. H		
IN 119	697.8 0.6 (0.3700) 1214.8 0.3 (0.4700)	763.1 0.1 (100.0000) 1273. 1. (0.1900)	944. 1. (0.0900)	(R)	IN 119 E- ==>>> SN 119 2.3 H		
IN 120H	89.9 0.3 (6.5000) 268.1 0.5 (1.5000) 414.7 0.5 (2.8000) 545.6 0.6 (1.8000) 702.8 1.0 (2.5000) 985.1 0.6 (2.4000) 1246.5 1.5 (0.5000) 2007.3 0.7 (6.5000 9.2) 2420.0 1.5 (0.9000)	177.5 1.0 (0.3000) 354.7 0.5 (1.4000) 449.1 0.7 (0.6000) 592.2 0.6 (1.5000) 713.5 0.4 (7.1000 5.6) 1023.2 0.3 (62.0000 3.2) 1250.8 1.5 (1.3000) 2096.6 1.5 (1.2000) 2605.0 2.0 (2.0000)	197.3 0.3 (8.1000 7.4) 401.2 0.5 (0.9000) 465.5 0.7 (0.8000) 610.0 0.6 (1.5000) 863.8 0.3 (31.0000 6.4) 1162.5 1.0 (2.0000) 1294.7 0.4 (11.0000 4.5) 2178.3 1.2 (2.5000)	(A)	IN 120H E- ==>>> SN 120 44. S (N,P),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
IN 121M	60.1 0.2 (100.0000)	321. 1. (2.5000)	908.9 0.5 (1.6300)	(R)	IN 121M E- =====> SN 121 * 3.76M		
	1041.2 0.5 (5.5000)	1102.2 0.5 (4.5000)	1120.4 0.2 (2.5000)				
	1403. 1. (0.2500)	2803.8 0.7 (0.5500)	2864.3 0.7 (0.5000)				
	3060. 1. (0.4250)	3228. 2. (0.0750)					
IN 121	260. 1. (4.3000)	657.7 0.2 (6.0000)	925.3 0.1 (100.0000)	(P)	IN 121 E- =====> SN 121 * 25. S		
SN 111	511.006 0.003 (54.0000)	761. 1. (1.0200 9.84)	1152. 1. (1.6700 8.00)	(A)	SN 111 EC =====> IN 111 * 35.5 M		
	1541. 2. (0.4850)	1610. 2. (0.7520)	1914. 1. (1.0200 9.84)				
	2099. 3. (0.2510)	2178. 3. (0.1340)	2322. 3. (0.1670)				
SN 113	255.04 0.03 (2.0700 6.3)	351.652 0.006 (64.1000)	638.9 0.5 (*****)	(A)	SN 113 EC =====> IN 113 * 1.18E-02 115.1 D (N,G), (P,N), (D,2N),		
	640.4 0.5 (*****)						
SN 117M	158.4 0.2 (87.0000)			(A)	SN 117M IT =====> SN 117 1.18E-03 14. D (N,G),		
SN 121M	9.0 0.5 (*****)	37.15 (*****)		(R)	SN 121M E- =====> SB 121 4.51E-04 1.4 E-2 76. A (N,G), (N,F),		
SN 123M	160.2 0.4 (95.9000 6.1)	169.8 0.5 (0.0191)	381.2 0.5 (0.0296)	(A)	SN 123M E- =====> SB 123 1.17E-02 1.60E-2 40. M (N,G), (N,2N), (N,F),		
	542.2 0.5 (0.0160)	552. 1. (0.0067)					
SN 123	155. 1. (0.0020)	1032. 1. (0.0560)	1089. 1. (1.0000)	(A)	SN 123 E- =====> SB 123 6.47E-05 1.60E-2 129. D (N,G), (N,F),		
SN 125M	278.5 0.5 (0.0300 6.7)	311.2 0.5 (0.0300 6.7)	331.9 0.1 (100.0000 3.4)	(A)	SN 125M E- =====> SB 125 * 1.14E-02 9.5 M (N,G),		
	386.1 0.3 (0.0827)	539.6 0.3 (0.2060 8.8)	643.1 0.4 (0.1450)				
	648.9 0.5 (0.2000)	662. 1. (0.0457)	714. 2. (0.0068)				
	776.4 0.8 (0.0169)	940.9 0.3 (0.0703 5.9)	1017.3 0.3 (0.0918)	1059. 1. (0.0200)	1092.8 0.6 (0.0469)		
	1151.5 0.5 (0.0152)	1254. 1. (0.0129)	1305. 1. (0.0119)	1349.3 0.5 (0.0161)	1368.6 0.4 (0.1040 9.3)		
	1404.1 0.3 (0.7330 4.6)	1483.9 0.3 (0.1960 8.2)	1582. 1. (0.0057)	1615.5 0.4 (0.1180 7.6)	1634. 1. (0.0239)		
	1735.6 0.4 (0.0327)	1913.7 0.5 (0.0199)	1947.2 0.8 (0.0124)	2113. 1. (0.0015 9.7)			

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS-Y. (U 235)
SN 125	235.1 0.5 (0.0266)	258.3 0.5 (0.0177)	270.9 0.5 (0.0886)	(A) IN 125	==> SN 125 E- ===== 9.640 (N,G), (N,F),	SB 125 3.26E-04	2.10E-2
	282.9 0.5 (0.0089)	286. 1. (0.0004)	311.1 0.5 (0.0053)				
	332.0 0.5 (1.3300)	350.9 0.5 (0.2300)	363. 1. (0.0003)				
	386. 1. (0.0002)	398. 1. (0.0004)	434.1 0.5 (0.0177)	469.7 0.5 (1.3300)	524.3 0.5 (0.0062)		
	502.2 0.5 (0.0053)	652.6 0.5 (0.0354)	684.2 0.5 (0.0062)	800.5 0.5 (0.9750)	822.6 0.5 (3.9000)		
	893.7 0.5 (0.2390)	915.5 0.5 (3.9000)	921.6 0.5 (0.0886)	934.7 0.5 (0.1510)	1017.1 0.5 (0.2660)		
	1066.6 0.5 (8.8600)	1087. 1. (6.9750)	1089. 1. (4.1700)	1110.7 0.5 (0.0062)	1137.5 0.5 (0.0026)		
	1151.3 0.5 (0.1060)	1164.3 0.5 (0.0266)	1173.2 0.5 (0.1950)	1185.4 0.5 (0.0053)	1198.2 0.5 (0.0089)		
	1207.7 0.5 (0.0062)	1221.0 0.5 (0.2220)	1259.0 0.5 (0.0177)	1349.4 0.5 (0.0620)	1419.5 0.5 (0.4790)		
	1557.2 0.5 (0.0044)	1591.2 0.5 (0.0053)	1889.9 0.5 (0.0705)	1982.9 0.5 (0.0035)	2001.7 0.5 (2.1300)		
	2200.6 0.5 (0.0443)	2227.0 0.5 (0.0018)	2275.2 0.5 (0.1860)				
SN 127M	491.3 0.1 (100.0000)	1348.0 0.1 (5.3000)	1564.0 0.2 (4.4000)	(A)	SN 127M E- ===== 4.1 M (N,F), (N,A),	SB 127 *	2.10E-2
SN 127	70.0 0.5 (0.3000)	96.9 0.5 (6.7000)	109.2 0.5 (0.8000)	(R)	SN 127 E- ===== 2.2 H (N,A), (N,F),	SB 127 *	2.10E-2
	119.3 0.5 (4.9000)	143. 1. (2.2000)	168.8 0.5 (5.9000)				
	177. 1. (0.5000)	184.0 0.5 (3.7000)	189.9 0.5 (1.8000)				
	193.4 0.5 (0.5000)	202.8 0.5 (3.3000)	219.8 0.5 (1.4000)	232. 1. (3.5000)	235. 1. (1.6000)		
	262.2 0.5 (6.3000)	265.9 0.5 (6.1000)	271.2 0.5 (1.0000)	279.1 0.5 (2.0000)	284.3 0.5 (6.6000)		
	292.3 0.5 (3.6000)	348.7 0.5 (1.8000)	391.1 0.5 (3.3000)	397.3 0.5 (1.2000)	407.9 0.5 (6.9000)		
	439.1 0.5 (17.0000)	492. 1. (17.0000 9.6)	494. 1. (9.2000)	501.6 0.5 (5.3000)	510.3 0.5 (6.7000)		
	513. 1. (2.5000)	546.2 0.5 (7.2000)	583.8 0.5 (9.8000)	592.6 0.5 (4.9000)	806.0 0.5 (19.0000)		
	823.6 0.5 (41.4000)	859.6 0.5 (22.0000)	865. 1. (3.3000)	918. 2. (4.7000)	979.3 0.5 (26.4000)		
	998.3 0.5 (5.6000)	1002.7 0.5 (5.0000)	1036.0 0.5 (8.2000)	1045. 1. (1.7000)	1095.5 0.5 (67.3000)		
	1114.4 0.5 (100.0000)	1160.5 0.5 (8.9000)	1471. 1. (2.6000)	1473. 1. (4.2000)	1585. 1. (6.7000)		
	1649. 1. (3.1000)	1667. 1. (2.1000)	1876. 2. (2.1000)	2004. 1. (17.0000)	2011. 2. (1.8000)		
	2318. 2. (5.3000)	2586. 2. (4.9000)	2613. 3. (1.8000)	2692. 1. (1.2000)	2697. 1. (6.1000)		
	2806. 3. (0.7000)	2947. 2. (2.6000)	2881.3 0.5 (0.5000)				
SB 117	158.5 0.2 (87.0000)	511.006 0.002 (5.0000)	553.1 0.3 (0.0670)	(A)	SB 117 EC ===== 2.8 H SN 117		
	846.2 0.7 (0.0440)	861.7 0.5 (0.2900)	1004.5 0.5 (0.2300)				
	1020.6 0.5 (0.0960)	1021.0 0.5 (0.1000)	1156.7 0.4 (0.0200)				
	1287.6 0.3 (0.0270)	1339.5 1.0 (0.0037)	1420.1 0.4 (0.0170)	1446.4 0.5 (0.0520)	1578.0 0.3 (0.0180)		
SB 118M	41.0 0.5 (0.1800)	253.9 0.3 (0.9300)	511.006 0.002 (0.3200)	(A)	SB 118M EC ===== 5.1 H SN 118 (A,N),		
	984. 1. (0.0150)	1050.8 0.3 (0.9800)	1091.8 0.5 (0.0240)				
	1229.5 0.3 (1.0000)	2044. 2. (0.0001)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
SB 118	511.006 0.002 (151.0000 2.0)	529.2 0.4 (0.3830 6.1)	813. 1. (0.0148)	(A)	SB 118 $\xrightarrow{E+}$ SN 118 3.5 H (A,N),		
	826.9 0.6 (0.3560 9.2)	1096.6 0.7 (0.0445)	1172.9 0.5 (0.0465)				
	1229.5 0.3 (2.4700 6.0)	1267.0 0.5 (0.5730 7.4)	1447. 1. (0.0222)				
	1699.7 0.7 (0.0568)	1907.6 0.5 (0.0395)	2044. 2. (0.0074)	2327. 1. (0.0123)	2677.5 0.6 (0.0123)		
SB 120M	89.8 0.3 (83.3000)	197.3 0.3 (100.0000)	1023.3 0.4 (97.1000)	(P)	SB 120M $\xrightarrow{EC}$ SN 120 5.0 H (D,N),(D,2N),		
	1113.4 0.6 (0.8820)	1171.7 0.3 (58.0000)					
SB 120	511.006 0.002 (102.0000)	704.0 0.5 (0.4600)	989.1 0.7 (0.1900)	(A)	SB 120 $\xrightarrow{E+}$ SN 120 15.9 H (P,N),(D,2N), (D,N),		
	1171.5 0.3 (4.2000)						
SB 122M	61.6 0.2 (53.0000)	76.3 0.2 (17.0000)		(A)	SB 122M $\xrightarrow{IT}$ SB 122 * 4.2 H (N,G),	4.21E-02	
SB 122	564.0 0.2 (66.0000)	692.5 0.2 (3.4000)	795. (0.0100)	(A)	SB 122 $\xrightarrow{E-}$ TE 122 2.680 (N,G),	4.98E+00	
	1140.5 0.2 (0.7000)	1189. (0.0033)	1256.6 0.2 (0.7000)				
	1752. (0.0096)						
SB 124M	505. (20.0000)	603. (20.0000)	644. (20.0000)	(A)	SB 124M $\xrightarrow{IT}$ SB 124 * 1.6 H (N,G),	2.00E-02	
SB 124	7.7 (0.0010)	400.03 0.06 (0.3500)	443.99 0.05 (0.2800)	(A)	SB 124 $\xrightarrow{E-}$ TE 124 60.200 (N,G),	1.43E+00	
	525.5 0.1 (0.2500)	602.71 0.02 (98.2000 0.1)	632.4 0.1 (0.1300)				
	645.84 0.03 (7.3000 1.4)	709.34 0.05 (1.3700 3.6)	713.82 0.04 (2.5000 4.0)				
	722.78 0.03 (11.1000 1.9)	735.7 0.1 (0.1300 7.7)	790.76 0.04 (0.7400 1.3)	968.22 0.03 (1.8600 2.1)	1045.12 0.04 (1.8500 2.2)		
	1325.53 0.03 (1.4100 4.3)	1355.21 0.05 (0.9700 4.1)	1368.21 0.03 (2.4300 3.7)	1376.25 0.06 (0.4400 6.8)	1436.6 0.1 (1.0500 5.7)		
	1445.31 0.08 (0.2100 4.8)	1489.1 0.1 (0.5900 8.5)	1526.35 0.09 (0.3600 8.3)	1691.05 0.03 (48.2000 0.1)	2091.0 0.1 (5.7000 1.6)		
SB 125	35.7 0.1 (5.9000)	109.28 0.03 (0.1200)	116.86 0.08 (0.3400)	(A) SN 125 ==>	SB 125 $\xrightarrow{E-}$ TE 125 2.7 A (N,F),		2.10E-2
	172.6 0.2 (0.2700)	176.28 0.05 (6.9000 5.7)	204.0 0.1 (0.3500)				
	207.9 0.1 (0.2600)	227.7 0.1 (0.1300)	320.9 0.1 (0.4200 8.7)				
	380.4 0.2 (1.5000 6.2)	407.8 0.1 (0.1900)	427.9 0.3 (30.0000 5.0)	443.3 0.1 (0.3100)	463.38 0.08 (10.5000 5.5)		
	600.53 0.06 (18.0000 5.5)	606.64 0.06 (4.8000 5.8)	635.89 0.04 (11.7000 5.5)	671.41 0.04 (1.8000 6.0)			
SB 126M	414.4 0.2 (95.8000 3.7)	620.0 0.2 (1.9500 6.2)	666.1 0.2 (99.7000 0.1)	(A)	SB 126M $\xrightarrow{E-}$ TE 126 19.0 H (N,F), (N,P),		3.20E-2
	694.8 0.3 (97.0000 4.3)	856.5 0.4 (0.1990 5.0)	928.2 0.3 (1.7700 7.1)				
	1034.9 0.2 (2.1800 7.7)	1061.9 0.4 (0.6540)	1476.6 0.6 (0.6280)				

NUCLIDE	ENERGY (KEV)		INTENSITY		ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
SB 126	223.3 0.3 (1.8900)	278.5 0.3 (1.9500)	296.8 C.3 (5.4100 8.0)	(A)	SB 126	E- =====> 12.5 D	TE 126	3.20E-2
	363.5 0.9 (0.2700)	386.6 0.9 (0.2000)	414.4 0.2 (83.7000 5.5)		(N,F),			
	554.8 0.3 (1.7600)	573.7 0.3 (6.3800)	592.8 0.4 (8.5500 8.2)					
	620.0 0.2 (0.9650)	640.4 0.6 (0.7000)	646.3 C.6 (0.7000)	656.1 0.3 (2.0000)	666.1 0.2 (100.0000 3.5)			
	675.0 0.3 (3.6400)	654.8 C.3 (100.0000 5.0)	696.6 0.6 (32.0000)	720. 1. (50.0000 7.8)	731. 1. (0.7000)			
	856.5 0.4 (17.1000 6.6)	928.2 0.3 (0.2000 5.0)	954.2 0.4 (1.5800)	988. 1. (6.6000)	1012. 1. (2.3000)			
	1034.9 0.2 (1.1000)	1061.9 0.4 (1.0000)	1063.4 0.7 (1.0000)	1213.2 0.4 (2.3000)	1476.6 0.6 (0.4500)			
SB 127	252.7 (6.7000)	280.8 (0.4000)	290.6 (1.8000)	(A) SN 127	==> SB 127	E- =====> 3.9 D	TE 127 *	1.30E-1
	305.6 (0.2100)	392.1 (1.0000)	412.0 (3.5000)		(N,F),			
	417.9 (0.7800)	440.7 (0.4700)	445.2 (4.3000)					
	473.2 (24.8000)	501.9 (0.6700)	543.2 (3.0000)	603.8 (4.4000)	638.2 (0.5000)			
	652.7 (0.2600)	666.9 (0.0400)	684.9 (36.8000)	697.9 (2.5000)	721.4 (1.8000)			
	743.7 (0.1500)	763.0 (0.0670)	782.6 (15.0000)	787.9 (0.1400)	806.0 (0.0360)			
	816.4 (0.3500)	820.1 (0.2400)	924.2 (0.5000)	1140.3 (0.3800)	1289.9 (0.3400)			
	1379.0 (0.0680)							
SB 128H	193.5 0.7 (0.9990)	314.02 0.05 (94.5000 2.0)	594.1 0.1 (3.1000 8.3)	(A)	SB 128H	E- =====> 10. H	TE 128	9.13E-1
	743.25 0.04 (99.8000)	753.91 0.04 (99.8000)	787.60 0.07 (7.3800)		(N,F),			
	844.0 0.3 (3.0400)	908.4 0.2 (2.4500 8.7)	1040.9 0.3 (0.9980)					
	1098.4 0.8 (0.2990)	1101.8 0.8 (0.3990)	1141.7 0.3 (0.7980)	1157.1 0.2 (1.5500)	1354.6 0.5 (0.5990)			
	1585. 1. (0.2990)	1609. 1. (0.4990)						
SB 128	102.8 0.3 (0.3990)	118.4 0.3 (0.5990)	152.6 0.3 (0.4990)	(A)	SB 128	E- =====> 8.9 H	TE 128	
	204. 1. (0.0980)	214.8 0.2 (0.9580)	227.3 C.2 (1.5000)		(N,P),			
	235.0 0.1 (0.2990)	249.7 0.2 (0.5990)	278.3 C.3 (0.5990)					
	314.02 0.05 (63.0000 9.0)	317.7 0.2 (2.9900)	322.3 C.2 (2.9900)	357.0 0.3 (1.5000)	366.1 0.3 (1.5000)			
	404.3 0.3 (0.9980)	445.7 0.3 (1.5000)	454.5 0.3 (1.5000)	459.5 0.3 (1.5000)	524.5 0.6 (43.9000 9.1)			
	526.5 0.1 (44.9000 5.0)	582.9 0.3 (0.9980)	603.0 0.3 (1.7000)	628.7 0.1 (30.9000 4.5)	636.2 0.1 (34.6000 6.4)			
	654.2 0.2 (16.8000 4.7)	667.1 0.3 (2.4900)	683.9 0.3 (3.0900)	692.9 0.3 (2.1500)	727.6 0.3 (4.1600)			
	743.25 0.04 (99.8000)	753.91 0.04 (99.8000)	773.7 C.3 (1.5000)	785. 1. (1.3000)	802.7 0.3 (1.2000)			
	813.6 0.2 (12.2000 7.3)	835.8 0.4 (0.9980)	845.2 0.4 (3.3800)	860.8 0.4 (0.3990)	877.9 0.4 (3.4300 9.3)			
	908.4 0.2 (0.9380)	972.3 0.4 (0.9980)	1047.4 0.4 (2.3600)	1078.8 0.5 (1.9500)	1112.8 0.4 (2.0000 8.3)			
	1129.6 0.4 (0.7980)	1158.1 0.2 (0.9440)	1181.7 0.4 (4.1900 8.2)	1250.5 0.4 (0.9980)	1256. 1. (2.4900)			
	1259.5 0.4 (0.9990)	1339.8 0.4 (0.9980)	1378.0 C.4 (1.8000)	1593.2 0.5 (0.4990)	1685.7 0.5 (0.4990)			
	1707.9 0.5 (0.2990)	1735.5 0.5 (0.3990)						

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
SB 129	94.9 0.8 (0.2450)	115.6 0.8 (0.1760)	125.1 0.8 (*****)	(A) SN 129	==> SB 129 E- ===== 4.3 H (N,F),	TE 129 *	8.00E-1
	136.8 0.8 (*****)	145.7 0.8 (0.3570 7.1)	165.0 0.8 (0.0356)				
	180.6 0.8 (1.7400)	157.4 0.8 (0.0668)	217.2 0.8 (0.0134)				
	226.3 0.8 (0.0223)	232.1 0.8 (0.3120 7.6)	244.5 0.8 (0.9800)	268.3 0.8 (0.1780)	295.5 0.8 (1.2500)		
	313.5 0.8 (0.8600)	332.3 0.8 (0.2230)	358.8 0.8 (4.3200)	404.8 0.8 (1.6900)	434.9 0.8 (0.0891)		
	499.6 0.8 (0.2230)	523.3 0.8 (1.6500)	543.8 0.8 (15.1000 7.6)	633.5 0.8 (2.1000 9.5)	654.3 0.8 (3.0800)		
	669.7 0.8 (0.6680)	683.5 0.8 (6.6800)	760.8 0.8 (2.6700)	773.1 0.8 (1.4700 9.3)	812.6 0.8 (44.6000 7.0)		
	876.0 0.8 (1.9200 8.4)	914.7 0.8 (19.3900 7.3)	939.4 0.8 (0.8910)	950.6 0.8 (0.0223)	966.6 0.8 (7.4900 8.2)		
	984.3 0.8 (0.0668)	999.4 0.8 (0.1340)	1030.4 0.8 (12.7000 7.0)	1066.8 0.8 (0.0535)	1104.5 0.8 (0.3120)		
	1121.4 0.8 (0.0445)	1125.4 0.8 (0.1110)	1139.2 0.8 (0.1780)	1147.2 0.8 (0.0223)	1155.0 0.8 (*****)		
	1161.8 0.8 (0.1110)	1167.9 0.8 (0.1780)	1208.1 0.8 (0.2670)	1223.3 0.8 (0.1780)	1236.7 0.8 (0.2230)		
	1261.1 0.8 (0.2230)	1280.8 0.8 (0.3570)	1302.7 0.8 (0.2230)	1318.0 0.8 (0.2230)	1326.9 0.8 (0.3570)		
	1415.2 0.8 (0.4460)	1435.7 0.8 (0.2230)	1480.7 0.8 (0.4900)	1499.3 0.8 (0.0891)	1526.0 0.8 (0.2670)		
	1536.0 0.8 (0.0668)	1570.1 0.8 (0.6680)	1581.1 0.8 (0.0802)	1599.9 0.8 (0.4010)	1622.0 0.8 (0.1340)		
	1655.9 0.8 (0.8910)	1691.4 0.8 (0.0668)	1738.1 0.8 (5.6200)	1752.3 0.8 (0.0445)	1779.5 0.8 (0.0178)		
	1841.8 0.8 (0.2230)	1871.8 0.8 (0.2500)	1914.2 0.8 (0.2230 8.1)	1919.2 0.8 (0.0267)	1936.1 0.8 (0.0356)		
	1975.0 0.8 (0.0757)	2011.1 0.8 (0.0044)	2030.5 0.8 (0.0089)	2042.0 0.8 (0.0044)	2071.6 0.8 (0.4460)		
	2091.5 0.8 (0.0178)	2114.5 0.8 (0.2230)	2135.9 0.8 (*****)	2198.9 0.8 (0.0579)	2262.5 0.8 (*****)		
	2265.8 0.8 (0.0178)						
SB 130M	182.0 0.5 (56.0000)	349.0 0.5 (4.0000)	370.0 0.5 (2.3000)	(R)	SB 130M E- ===== 5.7 H (N,P), (N,F),	TE 130	2.00E+0
	469.5 0.5 (2.0000)	758.0 0.5 (4.4000)	793.0 0.5 (83.0000)				
	839.5 0.5 (100.0000)	921.0 0.5 (2.0000)	1017.5 0.5 (26.0000)				
	1042.2 1.0 (2.7000)	1127.6 1.0 (5.0000)	1142.6 1.0 (5.9000)	1200.3 1.0 (2.7000)	1234.8 1.0 (3.6000)		
	1598.8 1.0 (2.4000)	1884.0 1.0 (1.0000)					
SB 130	182.0 0.5 (82.5000 9.9)	261. 1. (2.0000)	287.0 0.5 (3.0000)	(R) SN 130	==> SB 130 E- ===== 40. H (N,P), (N,F),	TE 130	2.00E+0
	330.4 0.5 (74.0000)	469.5 0.5 (17.0000)	731.2 0.5 (18.0000)				
	788.0 0.5 (1.0000)	793.0 0.5 (100.0000)	839.5 0.5 (100.0000)				
	992.0 0.5 (2.0000)	1062.0 0.5 (0.1000)	1074. 1. (1.7000)	1258. 1. (2.4000)	1294. 1. (5.0000)		
	1421. 1. (1.9000)	1444. 1. (2.3000)	1582. 1. (2.5000)	1656. 1. (3.0000)	1763. 1. (3.0000)		
	1949. 1. (0.9000)	1997. 1. (1.5000)	2072. 1. (0.6000)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
SB 131	275.7 0.5 (2.0000)	296.1 0.5 (4.2000 9.5)	301.0 0.5 (3.0000)	(R) SN 131	==> SB 131 E- ===== 25. H (N,F),	TE 131 *	2.91E+0
	326.4 0.5 (1.2000)	433.9 0.5 (5.7000 8.8)	620.0 0.5 (2.2000 9.1)				
	625.8 0.5 (3.7000 8.1)	642.1 0.5 (40.0000)	658.0 0.5 (14.0000)				
	669.0 0.5 (3.6000 8.3)	726.2 0.5 (6.7000 9.0)	825.0 0.5 (4.3000 9.3)	854.5 0.5 (7.2000 9.7)	866.0 0.5 (1.0000)		
	911.0 1.0 (1.5000)	922.8 0.5 (55.0000)	943.6 0.5 (100.0000)	958.0 1.0 (1.6000)	1050.0 1.0 (0.5000)		
	1123.8 0.5 (21.0000)	1192.7 0.5 (2.0000)	1207.5 0.5 (8.0000)	1233.5 0.5 (3.3000)	1249. 1. (0.5000)		
	1267.9 0.5 (6.2000)	1285. 1. (0.3000)	1331.8 0.5 (1.3000)	1360. 1. (1.0000)	1392.5 1.0 (0.6000)		
	1399.3 0.5 (1.8000)	1456. 1. (0.7000)	1470.2 1.0 (2.9000)	1517.5 1.0 (29.0000)	1538. 1. (0.7000)		
	1546. 1. (1.2000)	1554. 1. (0.8000)	1559. 1. (0.7000)	1573.9 1.0 (2.6000)	1609.3 1.0 (2.9000)		
	1721.7 0.5 (4.4000)	1757. 1. (1.5000)	1820.6 1.0 (2.1000)	1853.3 0.5 (8.8000)	1915. 1. (1.0000)		
	1956. 1. (0.8000)	1966.4 1.0 (2.5000)	1983. 1. (0.7000)	2015. 1. (0.5000)	2031. 1. (0.5000)		
	2114. 1. (0.5000)	2149. 1. (0.9000)	2169. 1. (0.5000)	2179.2 0.5 (4.4000)	2256. 1. (0.7000)		
	2335.4 1.0 (3.5000)	2354. 1. (0.8000)	2398. 1. (1.8000)	2496. 1. (0.7000)	2550. 1. (0.6000)		
	2662.5 1.0 (2.1000)						
SB 132	574.6 (*****)	1672. (*****)	1775.2 (*****)	(R)	SB 132 E- ===== 3.11H (N,F),	TE 132 *	4.33E+0
	2158.4 (*****)						
SB 134	115.37 0.08 (40.0000)	256.97 0.08 (97.0000)	706.4 0.5 (60.0000)	(R)	SB 134 E- ===== 10.8 S (N,F),	TE 134	7.92E+0
	1279.1 0.5 (100.0000)						
TE 121H	212.3 0.2 (82.0000)			(A)	TE 121H IT ===== 154. D (N,G), (P,N), (D,2N),	TE 121 *	3.86E-04
TE 121	66. (0.4000)	470. (1.4000)	507.5 0.2 (18.0000)	(A) TE 121H	==> TE 121 EC ===== 17. D (N,G), (P,N), (D,2N),	SB 121	2.27E-03
	572.9 0.2 (80.0000)						
TE 123H	88.46 0.02 (0.0880)	159.00 0.03 (83.5000)		(A)	TE 123H IT ===== 119.7 D (N,G), (D,2N),	TE 123	3.45E-02
TE 125H	35.46 0.02 (6.7600)	109.27 0.02 (0.2760)		(A) SB 125	==> TE 125H IT ===== 58. D (N,G), (N,F),	TE 125	2.35E-03
							3.20E-2
TE 127H	57.63 0.08 (0.0033 9.0)	88.26 0.08 (12.0000 8.3)	593.3 0.1 (0.0023 6.4)	(A) SB 127	==> TE 127H IT ===== 109. D (N,G), (N,F),	TE 127 *	3.22E-02
	628.6 0.3 (0.0001)	651.0 0.2 (0.0002)	658.9 0.1 (0.0130 7.7)				1.30E-1
TE 127	57.63 0.08 (0.5600 8.9)	145.2 0.1 (0.0032 7.7)	172.1 0.5 (0.0002)	(A) SB 127	==> TE 127 E- ===== 9.4 H (N,G), (N,F),	J 127	2.15E-01
	202.9 0.1 (0.0586 3.5)	215.1 0.1 (0.0391 4.4)	360.3 0.1 (0.1360 0.7)				1.30E-1
	375.0 0.4 (0.0002)	417.9 0.1 (1.0000)	618.6 0.3 (*****)				

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
TE 129M	556.65 0.05 (0.1140)	672.03 0.05 (0.0277)	695.98 0.05 (3.1700 5.9)	(A) SB 129	==> TE 129M IT =====> 33.5 D	TE 129 * 5.68E-03	8.00E-1
	701.8 0.1 (0.0221)	705.6 0.1 (0.0049)	729.62 0.05 (0.7600 7.9)		(N _r G), (N _r F),		
	741.1 0.1 (0.0310 7.7)	768.95 0.07 (0.0034 8.1)	817.2 0.1 (0.0963 7.9)				
	844.9 0.1 (0.0373 6.2)	1022.6 0.1 (0.0226)	1050.4 0.1 (0.0209)	1373.8 0.1 (0.0013 7.6)	1401.6 0.1 (0.0058)		
TE 129	27.8 0.1 (17.4000 9.3)	208.98 0.05 (C.2C30 6.0)	250.65 0.05 (0.4360 4.3)	(A) SB 129	==> TE 129 E- =====> 69. H	J 129 * 6.29E-02	8.00E-1
	270.7 0.4 (0.0058)	278.43 0.05 (0.6240 5.7)	281.1 0.1 (0.1630 4.8)		(N _r G), (N _r F),		
	342.6 0.1 (0.0082)	342.8 0.1 (0.0402)	459.60 0.05 (7.7400 3.2)				
	487.39 0.05 (1.4700 3.4)	531.83 0.05 (0.0919 7.9)	551.5 0.1 (0.0116)	559.76 0.09 (0.0058)	624.4 0.1 (0.0919 7.9)		
	716.8 0.1 (0.0015)	741.1 0.1 (0.0372 9.3)	768.95 0.07 (0.0041)	794.5 0.1 (0.0023)	802.17 0.05 (0.2140 5.8)		
	829.85 0.07 (0.0083)	933.4 0.1 (0.0468 9.2)	925.8 0.1 (0.0007)	982.2 0.2 (0.0180)	1003.6 0.1 (0.0015)		
	1013.8 0.1 (0.0015)	1083.99 0.05 (0.6140 4.3)	1111.74 0.05 (0.2410 5.0)	1204.2 0.1 (0.0006)	1232.5 0.5 (0.0092)		
	1254.2 0.1 (0.0007)	1260.4 0.4 (C.0142)	1263.7 0.7 (0.0090)	1282.1 0.1 (0.0007)			
TE 131M	80.9 0.4 (5.9000)	102.3 0.4 (13.1000)	115. 2. (C.2500)	(A) SB 131	==> TE 131M E- =====> 30. H	J 131 * 1.76E-02	2.91E+0
	135. 1. (1.2000)	149.8 0.2 (34.4000)	183. 1. (2.2000)		(N _r G), (N _r F),		
	189. 1. (0.3700)	200.7 0.4 (9.7000)	215. 2. (C.3700)				
	231. 1. (0.9800)	240.6 0.4 (11.2000)	254. 1. (1.5000)	279.5 0.5 (3.2000)	310. 1. (0.3700)		
	334.5 0.4 (12.3000)	342.9 0.2 (0.8600)	354. 1. (0.7400)	384.2 0.2 (0.6100)	434. 2. (0.8600)		
	452.5 0.2 (7.2000)	462.6 0.4 (2.8000)	492.8 0.2 (1.4000)	586. 2. (1.2000)	602.2 0.2 (1.2000)		
	665. 1. (4.1000)	712. 1. (1.4000)	744. 1. (1.7000)	773.7 0.4 (46.7000)	782.7 0.6 (9.8000)		
	793.6 0.4 (15.9000)	822.1 0.4 (6.8000)	852.1 0.4 (25.8000)	910. 1. (4.3000)	922. 2. (0.6100)		
	1059.7 0.5 (1.4000)	1125.5 0.4 (14.7000)	1148.5 0.5 (4.7000)	1206.5 0.5 (11.7000)	1238. 1. (0.6100)		
	1315. 1. (1.1000)	1646. 1. (1.7000)	1888. 1. (1.8000)	2001. 1. (2.5000)	2168. 1. (0.3700)		
	2270. 1. (0.3700)						
TE 131	105.8 0.2 (0.0940)	149.8 0.2 (67.0000)	221.4 0.2 (0.0470)	(A) SB 131	==> TE 131 E- =====> 25. H	J 131 * 9.68E-02	2.91E+0
	278.3 0.2 (0.6700)	258.3 0.2 (0.1800)	342.9 0.2 (0.7400)		(N _r G), (N _r F),		
	353.0 1. (0.0470)	384.2 0.2 (0.7400)	402. 1. (0.0067)				
	421.0 0.2 (0.0340)	452.5 0.2 (16.0000)	492.8 0.2 (4.7000)	496. 1. (0.0270)	545.1 0.2 (0.2700)		
	550.6 0.2 (0.0200)	567.4 0.2 (0.0880)	575. 1. (0.0340)	602.2 0.2 (4.0000)	605.4 0.2 (0.0140)		
	654.0 0.2 (1.2000)	696.0 0.2 (0.3400)	727.0 0.2 (0.2700)	825. 1. (0.0540)	841.9 0.2 (0.1300)		
	853.6 0.2 (0.0540)	958.6 0.2 (0.2000)	934.6 0.2 (0.8100)	948.5 0.2 (2.0000)	951.8 0.2 (0.4000)		
	997.4 0.2 (3.4000)	1008.1 0.2 (1.0100)	1098.7 0.2 (0.5400)	1147.4 0.2 (6.3000)	1278.2 0.2 (0.1200)		
	1294.8 0.2 (0.9400)	1309. 1. (C.0067)	1351.6 0.2 (0.0610)	1427.5 0.2 (0.1100)	1501.0 0.2 (0.1200)		
	1527.9 0.2 (0.0540)	1579. 1. (0.0067)	1652. 1. (0.0067)				
TE 132	49.72 0.01 (13.9000 7.1)	53. (17.0000)	111.76 0.08 (1.8000)	(A) SB 132	==> TE 132 E- =====> 78. H	J 132 *	4.33E+0
	116.3 0.1 (1.9000)	228.16 0.06 (65.0000 5.9)			(N _r F),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
TE 133M	74.1 0.2 (0.8000)	91.5 0.2 (0.8000)	88.0 0.2 (3.0000)	(R) SB 133	==> TE 133M ^{E-} ====> J 133 * 54. H		6.67E+0
	94.9 0.2 (6.0000)	164.34 0.09 (1.6000)	169.87 0.09 (12.0000)		(N,F),		
	177.1 0.2 (1.5000)	178.2 0.2 (1.0000)	184.5 0.1 (0.4000)				
	193.2 0.1 (1.2000)	198.2 0.2 (0.6000)	213.36 0.08 (4.2000)	220.9 0.1 (0.5000)	224.0 0.1 (0.4000)		
	244.3 0.1 (0.7000)	251.5 0.1 (0.6000)	257.64 0.09 (1.0000)	261.55 0.07 (14.0000)	334.14 0.07 (15.0000)		
	344.5 0.2 (1.5000)	347.22 0.09 (1.3000)	355.6 0.1 (0.6000)	362.8 0.2 (1.1000)	376.8 0.1 (0.6000)		
	396.96 0.09 (1.7000)	429.0 0.1 (3.6000)	444.90 0.09 (4.4000)	462.1 0.2 (3.4000)	471.85 0.09 (2.3000)		
	478.6 0.1 (1.8000)	519.6 0.2 (0.5000)	534.9 0.1 (2.0000)	574.0 0.1 (3.6000)	622.0 0.2 (1.6000)		
	647.40 0.08 (34.0000)	702.8 0.1 (4.3000)	731.7 0.2 (1.7000)	733.9 0.1 (3.3000)	779.8 0.1 (3.9000)		
	795.7 0.4 (1.5000)	800.5 0.2 (2.2000)	863.9 0.1 (29.0000)	882.8 0.1 (4.8000)	897.7 0.4 (0.5000)		
	912.6 0.1 (100.0000)	914.7 0.1 (19.0000)	934.4 0.3 (1.5000)	978.19 0.09 (9.3000)	980.4 0.2 (2.7000)		
	982.9 0.2 (1.3000)	1029.8 0.2 (1.8000)	1061.8 0.1 (3.1000)	1348.9 0.2 (2.9000)	1459.1 0.2 (2.5000)		
	1516.1 0.3 (1.1000)	1531.6 0.4 (1.0000)	1587.4 0.2 (2.2000)	1683.3 0.2 (6.7000)	1704.4 0.3 (1.1000)		
	1855.7 0.3 (1.3000)	2004.9 0.3 (5.4000)	2027.7 0.4 (1.4000)	2049.2 0.4 (1.7000)			
TE 134	74.0 0.5 (9.3000)	78.1 0.5 (15.4000)	100.8 0.5 (0.3000)	(A) SB 134	==> TE 134 ^{E-} ====> J 134 * 43. H		7.92E+0
	131.3 0.3 (0.2000)	180.1 0.5 (8.9000)	200.3 0.5 (4.3000)		(N,F),		
	209.8 0.5 (10.6000)	259.8 0.6 (0.2400)	277.8 0.5 (9.0000)				
	435.8 0.5 (6.4000)	462.4 0.5 (6.1000)	514.1 0.5 (2.6000)	566.5 0.5 (9.9000)	635.9 0.5 (1.2000)		
	742.4 0.5 (8.9000)	765.2 0.5 (19.7000)	801.5 0.5 (5.8000)	825.2 0.5 (0.8900)			
TE 135	87.4 (*****)	578.8 (*****)	621.3 (*****)	(R) SB 135	==> TE 135 ^{E-} ====> J 135 * 16.3 S		6.43E+0
	871.1 (*****)				(N,F),		
TE 136	267.7 (*****)	332.9 (*****)	603.5 (*****)	(R)	TE 136 ^{E-} ====> J 136 * 20.9 S		6.46E+0
	737.6 (*****)	774.6 (*****)	862.2 (*****)		(N,F),		
J 118	511.006 0.002 (*****)	545. (13.0000)	600. (13.0000)	(R)	J 118 ^{E+} ====> TE 118 * 14.3 H		
	606. (100.0000)	740. (2.0000)	1339. (9.0000)				
J 120M	511.006 0.002 (*****)	560.0 0.6 (100.0000)	601.0 0.6 (100.0000)	(R)	J 120M ^{E+} ====> TE 120 40. H		
	614.0 0.6 (81.0000)	728.5 0.7 (10.0000)	976. 1. (35.0000)				
	1054. 1. (9.7000)	1328.0 1.3 (6.5000)	1348.0 1.4 (26.0000)				
	1405.0 1.4 (20.0000)	1443.0 1.4 (12.0000)	1453.0 1.5 (12.0000)				
J 120	511.006 0.002 (*****)	561.0 0.6 (100.0000)	601.0 0.6 (7.4000)	(R)	J 120 ^{EC} ====> TE 120 1.35H		
	641. (12.0000)	1202. (1.3000)	1526. (20.0000)				
	2455. (16.0000)	2565. (14.0000)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
J 122	511.006 0.001 (200.0000)	564.0 0.2 (25.5000)	616.2 0.6 (0.0508)	(R)	J 122 ^{E+} =====> TE 122 3.5 H (P,N),		
	678. 1. (0.1780)	683.5 0.3 (1.3000)	692.6 0.3 (1.8700)				
	793.0 0.3 (1.8700)	953.2 0.7 (0.0203)	1037. 1. (0.0102)				
	1130. 1. (0.0204)	1188.1 0.5 (0.0408)	1257.0 0.3 (0.3940)	1336.0 0.4 (0.0465)	1357.6 0.4 (0.0178)		
	1376.4 0.3 (0.0533)	1499.4 0.4 (0.2080)	1534.6 0.4 (0.0595)	1723.5 0.4 (0.0612)	1733.3 0.8 (0.0331)		
	1747.1 0.3 (0.4650)	1752.7 0.5 (0.0819)	1794. 1. (0.0204)	1843.7 0.3 (0.1580)	1942. 2. (0.0144)		
	1944.4 0.6 (0.0433)	2030. 1. (0.0542)	2155.5 0.5 (0.0428)	2188. 1. (0.4080)	2192.7 0.7 (0.3740)		
	2226.3 0.8 (0.0203)	2233.9 0.8 (0.0122)	2286.2 0.8 (0.0180)	2312. 2. (0.0050)	2334. 2. (0.0050)		
	2347.0 0.8 (0.0203)	2481.0 0.5 (0.0241)	2488.6 0.5 (0.0122)	2582. 1. (0.0510)	2586.0 0.5 (0.0535)		
	2593. 1. (0.0076)	2719.7 0.5 (0.0294)	2739. 2. (0.0152)	2793. 2. (0.0025)	2919.5 0.5 (0.0224)		
	2981.9 0.9 (0.0152)	3045.0 0.7 (0.0090)	3208. 1. (0.0076)	3291. 1. (0.0050)			
J 123	159.1 (83.0000)	193.7 (0.0250)	192.7 (0.0250)	(A)	J 123 ^{EC} =====> TE 123 13.3 H		
	248.3 (0.0660)	281.0 (0.0660)	346.6 (0.0100)				
	440.4 (0.3500)	505.6 (0.2600)	529.0 (1.1000)				
	538.5 (0.2700)	624.9 (0.0660)	687.7 (0.0250)	736.1 (0.0330)	784.4 (0.0420)		
J 124	511.006 0.002 (46.0000 0.44)	541.2 0.1 (0.1900 5.3)	592.4 0.2 (0.2000)	(A)	J 124 ^{EC} =====> TE 124 4.17D (A,N),		
	602.71 0.02 (62.0000 0.32)	645.84 0.03 (0.9800 3.1)	713.82 0.04 (0.1000)				
	722.78 0.03 (10.2000 2.9)	968.22 0.03 (0.4200 2.4)	976.4 0.1 (0.1000)				
	1045.12 0.04 (0.4300 7.0)	1054.0 0.2 (0.1200 8.3)	1325.53 0.03 (1.4700 3.4)	1368.21 0.04 (0.3200)	1376.25 0.06 (1.7100 1.2)		
	1489.06 0.08 (0.1800)	1509.49 0.04 (3.0700 1.0)	1559.8 0.2 (0.1600)	1637.7 0.5 (0.2000)	1675.8 0.4 (0.1300)		
	1691.04 0.03 (10.7000)	1720.3 0.1 (0.1800)	1851.4 0.4 (1.1700)	1918.7 0.2 (0.1700)	2038.3 0.3 (0.3500 5.7)		
	2078.86 0.07 (0.3600 5.6)	2091.00 0.05 (0.5800 3.5)	2099.05 0.07 (0.1400)	2144.32 0.09 (0.1100)	2232.25 0.07 (0.5900 3.4)		
	2283.25 0.08 (0.6800 7.4)	2746.9 0.1 (0.5000)					
J 126	388.5 0.1 (34.0000)	491.9 0.3 (2.1000 5.0)	511.006 0.002 (0.8700 5.4)	(A)	J 126 ^{EC} =====> TE 126 12.8 D (D,N), (A,N), (P,N),		
	666.2 0.1 (30.0000 3.5)	753.8 0.1 (3.9000 3.9)	880.3 0.3 (0.6400)				
	1377.8 0.3 (0.0015)	1420.2 0.2 (0.2900 8.1)	2044.2 0.4 (0.0044)				
J 128	442.89 0.07 (14.0000)	526.6 0.1 (1.4000)	743. (0.2000)	(A)	J 128 ^{E-} =====> XE 128 25. H (N,G),	7.95E+00	
	969. (0.3000)						
J 130M	536.08 0.09 (15.8000)	586.1 0.1 (1.3000 5.2)	1028. 2. (0.0633)	(A)	J 130M ^{IT} =====> J 130 * 8.82H		
	1122.0 0.2 (0.1920 7.9)	1780. 2. (0.0475)	1015.0 0.5 (0.6050 8.2)				
	1687. 2. (0.0117)	1706. 2. (0.0127)	1760. 2. (0.0427)				
	1958. 2. (0.0301)	1966. 2. (0.0617)	2102. 2. (0.0348)	2150. 2. (0.0364)	2502. 2. (0.0237)		

NUCL IOE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
J 130	418.00 0.07 (31.8000 6.1)	510.9 0.2 (0.6190)	536.08 0.09 (99.8000 3.4)	(A)	J 130 E- =====> XE 130 12.3 H (N ₂ G), (D ₂ 2N), (P ₂ N), (N ₂ A),		
	586.1 0.1 (1.5400)	603.58 0.05 (0.5680)	668.46 0.07 (97.3000 3.8)				
	686.06 0.09 (0.9140)	739.45 0.07 (81.9000 6.7)	800.5 0.5 (0.0698)				
	808.5 0.2 (0.2100)	877.3 0.2 (0.2070 4.9)	966.7 0.2 (0.7750 4.7)	1096.46 0.09 (0.5680 9.2)	1122.0 0.2 (0.2410)		
	1157.25 0.07 (12.8000 6.2)	1202.7 0.5 (0.0257)	1222.5 0.1 (0.1880)	1272.1 0.1 (0.8110 8.7)	1404.1 0.1 (0.3750 8.6)		
	1423.9 0.2 (0.0145)	1489.3 0.5 (0.0112)	1501.1 0.2 (0.0335)	1547.8 0.2 (0.0467 9.6)	1607.8 0.3 (0.0464)		
J 131	80.164 0.005 (2.4500 3.7)	163.97 0.02 (0.0230 8.7)	177.23 0.03 (0.2700 3.7)	(A) TE 131 ==>	J 131 E- =====> XE 131 8.05D (N ₂ F),		2.91E+0
	272.3 0.5 (0.0700)	284.3 0.1 (5.8000 3.4)	318.0 0.4 (0.0900)				
	325.0 0.4 (0.0330)	325.75 0.04 (0.2800)	358.5 0.5 (0.0160)				
	364.50 0.01 (82.4000 0.6)	405.0 0.5 (0.0660 9.1)	502.9 0.1 (0.3300 9.1)	636.5 0.2 (6.9000 2.9)	643.0 0.4 (0.1500 6.7)		
	722.91 0.05 (1.6300 3.1)						
J 132	136.7 0.4 (0.0700)	147.2 0.1 (0.2200)	183.3 0.2 (0.2000)	(R) TE 132 ==>	J 132 E- =====> XE 132 2.3 H (N ₂ F),		4.33E+0
	254.7 0.2 (0.2000)	262.7 0.1 (1.6000)	278.9 0.4 (0.4000)				
	284.8 0.1 (0.9000)	306.6 0.4 (0.1100)	310.0 0.4 (0.0900)				
	316.5 0.4 (0.1600)	343.6 0.4 (0.1000)	351.8 0.4 (0.0800)	363.5 0.4 (0.5000)	387.8 0.4 (0.1700)		
	416.8 0.4 (0.4700)	431.9 0.4 (0.4600)	446.0 0.4 (0.6800)	473.4 0.7 (0.2700)	477.9 0.7 (0.1000)		
	487.5 0.7 (0.1800)	505.9 0.1 (5.4000)	522.7 0.1 (17.8000)	535.5 0.4 (0.5300)	547.0 0.2 (2.4000)		
	590.9 2.0 (0.0600)	600.5 2.0 (0.0900)	621.0 0.2 (1.8600)	630.2 0.1 (13.2000)	650.7 0.2 (6.6000)		
	667.7 0.1 (100.0000)	669.8 0.3 (5.0000)	671.6 0.3 (5.3000)	727.1 0.2 (7.6000)	772.6 0.1 (7.7300)		
	780.2 0.3 (1.2500)	784.5 0.4 (0.4300)	792.1 1.0 (0.0900)	809.8 0.2 (3.5000)	812.1 0.2 (7.9000)		
	863.4 0.2 (0.9000)	876.8 0.2 (1.1000)	889. 2. (0.0400)	910.3 0.2 (0.8000)	927.6 0.3 (0.4500)		
	949. 2. (0.0800)	954.6 0.1 (21.0000)	984.5 0.2 (0.2500)	1016.2 2.0 (0.0500)	1034.7 0.2 (0.7000)		
	1049.9 0.7 (0.0450)	1065.5 0.7 (0.0340)	1086.3 1.0 (0.0700)	1096.8 0.7 (0.0350)	1112.5 0.4 (0.0630)		
	1126.6 0.7 (0.0520)	1136.0 0.1 (3.0000)	1143.4 0.2 (2.0000)	1148.2 0.7 (0.2100)	1173.2 0.3 (0.7000)		
	1254.1 0.5 (0.0460)	1263.7 0.7 (0.0230)	1272.7 0.4 (0.1500)	1290.8 0.3 (2.2000)	1295.3 0.3 (5.0000)		
	1298.3 0.5 (1.7000)	1314.3 0.7 (0.0600)	1317.1 0.7 (0.1200)	1372.1 0.1 (2.9000)	1389.6 0.7 (7.6000)		
	1393. 2. (0.2400)	1410.5 0.4 (0.0600)	1442.6 0.1 (1.5000)	1456.5 0.2 (0.0490)	1476.8 0.2 (0.1400)		
	1519.7 0.2 (0.0520)	1542.2 1. (0.0100)	1593.1 0.3 (0.0450)	1620.6 0.7 (0.0300)	1637.8 0.7 (0.0170)		
	1661.6 0.7 (0.0170)	1715.5 0.5 (0.0530)	1720.9 0.6 (0.1000)	1727.3 0.5 (0.0630)	1757.5 0.2 (0.4000)		
	1778.4 0.5 (0.0600)	1814.4 0.7 (0.0100)	1830.0 0.7 (0.0290)	1879.2 0.7 (0.0160)	1914.3 0.7 (0.0600)		
	1921.1 0.1 (1.4000)	2002.3 0.1 (1.4000)	2086.8 0.1 (0.3200)	2172.7 0.2 (0.3100)	2223.2 0.2 (0.2100)		
	2249.1 0.3 (0.1000)	2390.5 0.2 (0.3000)	2525.1 0.2 (0.0800)	2612. 5. (0.0020)	2717. 5. (0.0100)		
J 133	263. 2. (0.1540)	422. 2. (0.3420)	509.8 0.4 (2.1200)	(A) TE 133 ==>	J 133 E- =====> XE 133 * 20.8 H (N ₂ F),		6.67E+0
	529.7 0.3 (85.4000)	586.3 0.2 (*****)	617.8 0.2 (0.2560)				
	679.9 0.2 (0.8540)	706.5 0.2 (1.4800)	767.9 0.2 (0.5040)				
	820.5 0.2 (0.1880)	856.0 0.4 (1.1700)	875.1 0.2 (4.9600)	909.8 0.2 (0.3420)	1051.9 0.2 (0.6150)		
	1062. 2. (0.1370)	1234. 1. (1.4700)	1236.8 0.2 (*****)	1298.3 0.3 (2.3400)	1350. 1. (0.1370)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS-Y. (U 235)
J 134M	44.40 0.09 (12.2000 4.6)	232.0 0.4 (2.2500)	234.3 0.5 (1.9100)	(A)	J 134M ^{IT} =====> J 134 * 3.53M (N,F),		6.43E+0
	271.9 0.2 (94.5000 2.1)	316.3 0.3 (0.5740 3.0)					
J 134	135.3 0.3 (4.2000 4.4)	139.3 0.3 (0.7890 5.3)	162.4 0.3 (0.2660 3.2)	(A) TE 134 ==>	J 134 ^{E-} =====> XE 134 52. M (N,F),		7.92E+0
	187.5 0.6 (0.7460)	217.9 0.2 (0.1900 7.2)	235.36 0.07 (2.0300 1.9)				
	279.1 0.3 (0.1620)	313.1 0.2 (0.1330)	319.8 0.2 (0.4690 8.1)				
	351.4 0.2 (0.3430 4.7)	405.6 0.1 (7.2800 1.2)	411.5 0.2 (0.5510 3.8)	433.7 0.3 (4.2900 2.5)	459.7 0.3 (1.3100 2.4)		
	489.5 0.3 (1.5700 1.7)	514.9 0.3 (2.5500 3.7)	541.4 0.2 (8.0400 2.1)	565.5 0.2 (1.1700 4.4)	570.8 0.2 (0.4750)		
	595.6 0.1 (11.1000 1.2)	622.2 0.2 (10.8000 1.6)	628.5 0.2 (2.2200 2.8)	677.7 0.2 (7.5200 8.4)	731.0 0.2 (1.8400 2.5)		
	739.3 0.2 (0.5590 4.6)	767.0 0.2 (4.0700 1.8)	817.2 0.2 (0.7130 3.9)	836.7 0.2 (0.6180 5.5)	847.3 0.2 (0.9500 1.0)		
	857.8 0.2 (7.3200 3.5)	884.3 0.2 (64.4000 1.1)	948.3 0.2 (3.9000 3.0)	966.7 0.2 (0.4470 7.6)	974.8 0.2 (4.5900 2.2)		
	1040.1 0.3 (1.8100 2.5)	1072.6 0.3 (14.7000 1.3)	1099.1 0.3 (1.0600 5.0)	1103.6 0.2 (0.8360 4.2)	1136.4 0.2 (9.5800 1.5)		
	1159.4 0.2 (0.3520)	1191.3 0.2 (0.2660)	1270.2 0.2 (0.5800 5.9)	1323.0 0.2 (0.1810)	1337.1 0.2 (0.1330)		
	1354.3 0.2 (0.3900)	1456.2 0.2 (1.9800 2.9)	1470.7 0.3 (0.7320 5.6)	1542.6 0.2 (0.4560)	1614.1 0.2 (4.0400 2.1)		
	1629.5 0.3 (0.1330)	1645.0 0.2 (0.4180)	1656.4 0.3 (0.1520)	1741.7 0.2 (2.3400 2.8)	1806.7 0.2 (5.2400 2.1)		
	1925.6 0.2 (0.1710)	2020.5 0.2 (0.1620)	2157.3 0.5 (0.1430)	2260.0 0.6 (0.1140)	2310.4 0.7 (0.2090)		
	2407.9 0.9 (0.0667)	2450.4 0.9 (0.0665)	2467. 1. (0.1140)				
J 135	112.9 0.5 (0.0204)	165.6 0.5 (0.0321)	184.5 0.5 (0.0204)	(A) TE 135 ==>	J 135 ^{E-} =====> XE 135 * 6.7 H (N,F),		6.43E+0
	197.2 0.5 (0.0234)	220.0 0.2 (2.1100)	229.6 0.2 (0.2040)				
	255. 1. (0.0146)	254.3 0.5 (0.1750)	288.6 0.2 (3.2500 7.3)				
	290.4 0.5 (0.1750)	305.6 0.5 (0.0876)	334. 1. (0.0292)	343. 1. (0.0292)	362.0 0.5 (0.0876)		
	402.9 0.5 (0.1460)	414.8 0.5 (0.2340)	417.7 0.2 (3.1500 7.3)	429.9 0.5 (0.2340)	433.5 0.2 (0.5560)		
	451.8 0.5 (0.2340)	526.8 0.2 (12.7000)	531. 1. (0.5250)	546.5 0.2 (6.2800 7.3)	589. 1. (0.0584)		
	618.6 0.5 (0.0292)	649.5 0.5 (0.3800)	679. 1. (0.0292)	690. 1. (0.1170)	707.3 0.2 (0.6260 7.2)		
	785.3 0.5 (0.1460)	797.3 0.5 (0.1750)	808.1 0.5 (0.0584)	836.9 0.4 (5.3900 8.7)	860.9 0.5 (0.1170)		
	972.7 0.5 (1.1700)	994.8 0.5 (0.2040)	1038.8 0.2 (7.7400)	1097. 1. (0.2000)	1101.7 0.2 (1.5900 7.2)		
	1124.7 0.2 (3.5600 7.8)	1131.6 0.2 (19.2000)	1161. 1. (0.0376)	1169.0 0.2 (0.8560)	1180.4 0.5 (0.0876)		
	1240.5 0.5 (0.8470)	1260.4 0.2 (26.1000 4.1)	1368.2 0.5 (0.6130)	1448.6 0.5 (0.2920 2.5)	1457.3 0.2 (18.0000)		
	1503.0 0.4 (1.0300 2.6)	1566.4 0.5 (1.2600 3.1)	1678.0 0.2 (9.9300 2.4)	1706.7 0.2 (4.2600 2.8)	1791.7 0.4 (8.2400 2.4)		
	1830.9 0.2 (0.5870 2.4)	1927.8 0.5 (0.2920 2.5)	1949.1 0.5 (0.0584 2.5)	1969.0 0.5 (0.0292 2.4)	2046.7 0.4 (0.9000 2.4)		
	2113.7 0.5 (0.2000 2.5)	2153. 1. (0.0234 2.4)	2190. 1. (0.0146 2.4)	2256.7 0.4 (0.6140 2.4)	2409.9 0.4 (0.9590 2.4)		
	2467.5 0.5 (0.0584 2.5)						
J 136M	197.6 0.2 (80.0000 4.9)	370.6 0.2 (16.0000)	381.5 0.2 (100.0000)	(A)	J 136M ^{E-} =====> XE 136 48. S (N,F),		6.46E+0
	1313.0 0.2 (100.0000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
XE 122	61.8 0.2 (1.8000)	73.3 0.6 (1.1000)	77. 2. (0.2000)	(R)	XE 122 EC ===== J 122 * 20.1 H		
	90.6 0.2 (2.8000)	103.7 0.3 (0.2000)	148.7 0.2 (16.0000)				
	163.4 0.3 (0.6200)	180.8 0.3 (0.3600)	253.7 0.6 (0.6000)				
	277. 1. (0.4900)	288.6 0.5 (2.2000)	350.1 0.1 (44.0000)	356. 2. (0.7600)	416.9 0.2 (11.0000)		
	564.0 0.2 (100.0000)						
XE 123	39.9 0.3 (0.0060)	138.1 0.2 (0.5000)	148.9 0.2 (100.0000)	(R)	XE 123 E+ ===== J 123 * 2.1 H		
	178.1 0.2 (30.5000 4.9)	192.3 0.3 (0.1700)	330.2 0.2 (17.5000 5.7)				
	474.2 0.2 (0.2100)	511.006 0.002 (8.0900 1)	671.7 0.2 (0.1000)				
	680.5 0.2 (0.4100 7.3)	691.5 0.3 (0.2300)	718.5 0.2 (0.3500 8.6)	728.3 0.2 (0.2500)	752.4 0.2 (0.1200)		
	782.9 0.2 (0.9100 9.9)	802.7 0.3 (0.0400)	816.3 0.3 (0.1500)	820.1 0.3 (0.1200)	833.3 0.3 (0.0800)		
	842.7 0.3 (0.0800)	853.5 0.3 (0.0600)	859.7 0.3 (0.0900)	862.2 0.3 (0.0700)	870.7 0.3 (0.5800)		
	899.6 0.4 (5.0000)	909.0 0.4 (0.1800)	912.0 0.4 (0.1700)	934.9 0.3 (0.6400)	943.5 0.3 (0.1000)		
	949.5 0.3 (0.0600)	964.0 0.3 (1.1000)	979.4 0.3 (0.5800)	1004.2 0.3 (0.1500)	1011.3 0.5 (0.9000)		
	1013.5 0.5 (0.2400)	1041.0 0.3 (0.1500)	1048.9 0.3 (0.2800)	1060.7 0.4 (1.6000)	1064.3 0.4 (1.3500)		
	1093.4 0.3 (5.7000 8.8)	1113.1 0.3 (3.2000 9.4)	1132.2 0.3 (0.1200 8.3)	1153.8 0.3 (0.2000)	1161.3 0.3 (0.2100 9.5)		
	1169.9 0.3 (0.1100 9.1)	1201.5 0.3 (0.1900)	1237.1 0.4 (0.2000)	1242.0 0.4 (1.1500)	1264.7 0.4 (0.0600)		
	1274.6 0.3 (0.0900)	1296.3 0.3 (0.0600)	1310.3 0.3 (0.2700)	1334.3 0.3 (0.0500)	1390.9 0.3 (0.2400)		
	1508.4 0.3 (0.1000)	1534.9 0.3 (0.6200)	1603.9 0.3 (0.3500)	1625.9 0.3 (1.2000)	1656.8 0.4 (0.2700)		
	1686.8 0.3 (1.2500)	1715.9 0.3 (0.3900)	1732.2 0.3 (0.2900)	1756.1 0.3 (0.1900)	1778.2 0.3 (0.2000)		
	1785.4 0.3 (0.0600)	1807.3 0.3 (2.5500)	1822.3 0.3 (0.2500)	1864.7 0.3 (0.1300)	1871.1 0.3 (0.1200)		
	1884.5 0.3 (1.3000)	1913.5 0.4 (0.1500)	1919.8 0.4 (0.0500)	1934.2 0.3 (0.4500)	1955.9 0.3 (0.2000)		
	1974.3 0.3 (0.2800)	1992.5 0.4 (0.0900)	2003.3 0.4 (0.3800)	2037.6 0.4 (0.5000)	2052.4 0.4 (0.0900)		
	2058.9 0.4 (0.1500)	2062.6 0.4 (0.1000)	2071.9 0.4 (0.3400)	2101.3 0.4 (0.3200)	2107.0 0.5 (0.0400)		
	2136.4 0.4 (0.0500)	2144.6 0.4 (0.0700)	2151.7 0.5 (0.0300)	2173.5 0.5 (0.1300)	2178.5 0.5 (0.0800)		
	2189.8 0.4 (0.0400)	2201.2 0.4 (0.0900)	2211.7 0.4 (0.0800)	2218.8 0.4 (0.0700)	2249.6 0.4 (0.0250)		
	2277.0 0.5 (0.0150)	2280.8 0.5 (0.0150)	2306.5 0.5 (0.0200)	2327.3 0.5 (0.0700)	2455.5 0.5 (0.0300)		
XE 125	54.960 (0.9300 9.7)	74.86 (0.9900)	113.57 (1.0000)	(A)	XE 125 EC ===== J 125 * 16.8 H	1.19E-01	
	188.43 (8.6200)	210.42 (0.0070)	243.40 (4.5000 4.4)		(N,G),		
	372.08 (0.0320 9.4)	453.83 (0.6700 7.5)	511.006 0.002 (0.0810)				
	553.9 0.6 (0.0045)	635.8 0.4 (0.0400)	717.1 0.7 (0.0021)	726.8 0.5 (0.0091)	809.4 0.7 (0.0009)		
	819.3 0.6 (0.0029)	846.5 0.4 (0.1900)	901.5 0.4 (0.1100 9.1)	937.3 0.4 (0.0250)	992.5 0.4 (0.0160)		
	1007.5 0.4 (0.0240)	1021.5 0.6 (0.0040)	1075.3 0.5 (0.0120)	1089.9 0.4 (0.0090)	1108.5 0.7 (0.0007)		
	1138.4 0.4 (0.0550 9.1)	1181.0 0.4 (0.1200 8.3)	1193.6 0.6 (0.0150)	1253.6 1.0 (0.0004)	1318.3 1.0 (0.0003)		
	1327.9 1.6 (0.0002)	1383.7 0.8 (0.0008)	1442.1 0.8 (0.0014)	1560.4 1.1 (0.0002)			
XE 131M	163.97 0.02 (2.0000)			(A)	XE 131M IT ===== XE 131 12.0 D	1.31E+00	
					(N,G),		

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
J 136	219.9 0.7 (0.7860)	345.4 0.2 (2.4900)	434. 1. (0.9830)	(A) TE 136	==> J 136 E- ===== 83. S (N,F),	XE 136	6.46E+0
	481.3 0.2 (0.5500)	751. 1. (0.7210)	812.9 0.2 (1.4400)				
	976.1 0.3 (2.9400)	1247.0 0.4 (2.2600)	1313.0 0.2 (65.5000 4.5)				
	1321.1 0.3 (23.8000 9.1)	1536.0 0.4 (1.5000)	1962.0 0.5 (2.4400)	2289.8 0.5 (10.4000)	2414.8 0.5 (6.6100)		
	2635.5 0.5 (7.5100 9.0)	2868.0 0.5 (4.1600)	2956.5 0.8 (0.6550)	3138. 1. (0.4590)	3208. 1. (0.3930)		
	3243. 1. (0.3280)						
J 139					J 139 E- ===== 2.3 S (N,F),	XE 139 *	6.28E+0
J 140					J 140 E- ===== 0.85S (N,F),	XE 140 *	6.30E+0
J 141					J 141 E- ===== 0.44S (N,F),	XE 141 *	5.81E+0
XE 121	57.8 0.2 (4.2000)	80.1 0.2 (19.0000 7.9)	95.7 0.2 (35.5000 8.5)	(R)	XE 121 E+ ===== 40.1 M (N,F),	J 121 *	
	132.8 0.2 (86.5000 8.1)	134.6 0.3 (5.2000)	157.0 0.2 (2.5000)				
	175.8 0.3 (33.5000)	177.7 0.3 (8.5000)	214.6 0.3 (4.6000)				
	252.7 0.2 (100.0000)	300.7 0.2 (20.5000 7.3)	310.5 0.2 (43.0000 9.3)	396.3 0.2 (7.2000 8.3)	433.4 0.2 (8.4000 8.3)		
	445.2 0.2 (61.5000 8.9)	485.3 0.3 (2.1000)	511.006 0.002 (*****)	516.7 0.3 (2.3000)	529.1 0.4 (11.0000)		
	649.7 0.3 (12.2000 9.8)	660.2 0.3 (3.0000)	753.9 0.3 (4.7000)	762.4 0.3 (2.2000)	772.8 0.3 (2.0000)		
	782.5 0.3 (4.5000)	809.0 0.4 (4.1000)	830.9 0.3 (3.3000)	842.5 0.3 (6.5000)	866.0 0.3 (3.8000)		
	931.0 0.3 (10.6000)	938.4 0.5 (1.9000)	939.8 0.5 (3.1000)	944.7 0.5 (2.4000)	958.0 0.3 (7.6000)		
	996.8 0.3 (3.1000)	1010.3 0.5 (1.9000)	1023.9 0.3 (8.8000)	1035.6 0.3 (8.4000)	1046.6 0.3 (4.3000)		
	1082.8 0.5 (4.0000)	1094.2 0.5 (1.7000)	1146.4 0.5 (2.8000)	1181.1 0.5 (2.6000)	1186.4 0.5 (5.3000)		
	1229.8 0.4 (2.1000)	1339.2 0.3 (3.6000)	1365.0 0.5 (1.7000)	1540.8 0.4 (4.4000)	1553.5 0.4 (3.3000)		
	1560.4 0.4 (1.6000)	1574.0 0.4 (2.0000)	1631.5 0.4 (4.5000)	1656.7 0.5 (3.0000)	1710.2 0.4 (1.7000)		
	1731.8 0.5 (1.5000)	1740.4 0.4 (1.8000)	1765.9 0.4 (1.4000)	1778.3 0.5 (2.0000)	1800.9 0.4 (4.5000)		
	1815.4 0.4 (1.5000)	1833.3 0.5 (1.4000)	1835.5 0.5 (2.5000)	1892.0 0.5 (2.3000)	1927.6 0.4 (1.5000)		
	1980.4 0.4 (2.8000)	2012.3 0.4 (2.0000)	2047.6 0.4 (2.5000)	2076.6 0.4 (1.7000)	2087.7 0.5 (3.6000)		
	2122.2 0.5 (1.4000)	2212.6 0.4 (2.0000)	2256.6 0.4 (1.4000)	2278.3 0.4 (2.0000)	2320.5 0.4 (1.6000)		
	2336.0 0.5 (2.0000)	2412.9 0.4 (1.8000)	2428.6 0.5 (5.6000)	2486.5 0.5 (2.0000)	2510.4 0.6 (2.6000)		
	2514.0 0.6 (2.0000)	2538.6 0.5 (1.6000)	2544.7 0.5 (8.5000)	2549.2 0.6 (1.6000)	2569.3 0.5 (1.7000)		
	2589.1 0.6 (2.4000)	2593.7 0.6 (2.9000)	2621.7 0.5 (6.2000)	2634.2 0.6 (3.0000)	2637.3 0.6 (4.7000)		
	2643.4 0.5 (17.5000)	2651.7 0.6 (1.4000)	2664.6 0.6 (1.4000)	2667.7 0.6 (1.3000)	2677.0 0.6 (1.7000)		
	2689.6 0.5 (1.9000)	2697.4 0.6 (1.5000)	2797.7 0.4 (7.0000)	2964.5 0.5 (1.5000)	3159.8 0.5 (1.7000)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
XE 133M	232.9 0.2 (14.0000)			(A)	XE 133M $\xrightarrow{IT}$ 2.260 (N,G), (N,F),	XE 133 * 7.33E-03	6.67E+0
XE 133	79.55 0.05 (0.4000)	80.995 0.005 (36.6000)	160.66 (0.5100)	(A) J 133 ==>	XE 133 $\xrightarrow{E-}$ 5.290 (N,G), (N,F),	CS 133 8.33E-02	6.67E+0
	223.43 (0.1830)	303.09 (0.0041)	384.09 (0.0190)				
XE 135M	526.8 0.2 (80.0000)			(A) J 135 ==>	XE 135M $\xrightarrow{IT}$ 15.6 H (N,A), (N,F),	XE 135 *	6.43E+0
XE 135	158.5 0.4 (0.2400)	199.9 0.7 (0.0180)	249.8 0.4 (91.0000)	(A) XE 135M ==>	XE 135 $\xrightarrow{E-}$ 9.14H (N,G), (N,A), (N,F),	CS 135 * 2.95E-02	6.43E+0
	358.6 0.4 (0.2200)	373.1 1.0 (0.0110)	408.2 0.4 (0.3100)				
	573.3 0.9 (0.0055)	608.6 0.4 (2.4000)	654.6 0.4 (0.0320)				
	731.9 0.4 (0.0450)	812.6 0.4 (0.0500)	1063.0 0.9 (0.0027)				
XE 137	394. (0.1700)	455.1 0.5 (30.0000)	595. (0.0900)	(A) J 137 ==>	XE 137 $\xrightarrow{E-}$ 229.1 S (N,G), (N,F),	CS 137 * 3.09E-02	6.18E+0
	684. (0.0200)	849. (0.6500)	875. (0.0100)				
	886. (0.0200)	934. (0.0700)	969. (0.0300)				
	982. (0.2200)	1068. (0.0800)	1107. (0.0700)	1117. (0.2000)	1185. (0.0800)		
	1197. (0.0700)	1275. (0.2500)	1330. (0.0200)	1576. (0.1700)	1615. (0.1600)		
	1635. (0.0100)	1657. (0.0400)	1668. (0.0800)	1686. (0.0800)	1784. (0.4800)		
	1918. (0.1100)	2004. (0.0200)	2017. (0.0400)	2396. (0.1000)	2852. (0.2600)		
	2924. (0.0300)	3162. (0.0100)					
XE 138	68.3 0.2 (0.0500)	153.9 0.1 (5.8200 8.8)	235.1 0.2 (0.1000)	(A) J 138 ==>	XE 138 $\xrightarrow{E1}$ 14.17H (N,F),	CS 138 *	6.60E+0
	242.6 0.1 (3.7000 4.7)	258.3 0.1 (32.5000 3.6)	282.5 0.2 (0.4500 8.0)				
	371.4 0.2 (0.4000 8.0)	356.4 0.1 (6.2500 5.9)	401.4 0.2 (2.2500 5.7)				
	430.1 0.2 (0.2000)	434.5 0.1 (19.3000 6.6)	437.8 0.3 (0.0600)	446.2 0.3 (0.0800)	469.4 0.4 (0.0300)		
	500.3 0.2 (0.3200 9.2)	568.6 0.2 (0.2900 8.6)	579.9 0.3 (0.0600)	654.2 0.3 (0.1800)	675.4 0.3 (0.0900)		
	680.2 0.3 (0.0300)	693.4 0.3 (0.1600)	774.5 0.3 (0.0700)	851.2 0.2 (0.1000)	865.7 0.3 (0.3300 9.0)		
	869.3 0.4 (0.5900 7.0)	897.0 0.4 (0.1300)	901.6 0.5 (0.0700)	912.5 0.3 (0.3300 9.0)	917.1 0.3 (0.9800 6.0)		
	936.2 0.4 (0.1300)	941.2 0.4 (0.2000)	946.9 0.5 (0.0700)	953.0 0.5 (0.0300)	1076.5 0.3 (0.1000)		
	1093.7 0.3 (0.3600 9.0)	1098.6 0.3 (0.2900)	1114.1 0.3 (1.5600 6.0)	1141.5 0.3 (0.5500 7.0)	1160.7 0.5 (0.0700)		
	1311.3 0.4 (0.2000)	1356.6 0.5 (0.0700)	1381.8 0.5 (0.1300)	1385.7 0.5 (0.1000)	1473.0 0.4 (0.1700)		
	1548.8 0.5 (0.1000)	1572.0 0.4 (0.1300)	1614.5 0.4 (0.5900 7.0)	1768.2 0.4 (15.8000)	1812.6 0.4 (0.2600)		
	1850.7 0.3 (1.3000 6.0)	1987.3 0.5 (0.1000)	1925.3 0.4 (0.5900 7.0)	2004.6 0.3 (4.7100 5.0)	2015.7 0.3 (11.2000 5.0)		
	2079.2 0.3 (1.2000 8.0)	2252.2 0.3 (2.1100 6.0)	2322.0 0.4 (0.5900 7.0)	2475.3 0.4 (0.3300 9.0)	2494.0 0.8 (0.0300)		
	2497.4 0.6 (0.1300)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
XE 139	120.8 0.9	175.0 0.3	218.7 0.2	(A) J 139 ==>	XE 139 E- =====> 39.68S (N,F),	CS 139 *	6.28E+0
	(0.9000)	(29.0000)	(77.0000)				
	225.5 0.5	289.8 0.3	296.6 0.3				
	(2.0000)	(10.0000)	(24.0000)				
	339. 1.	358. 1.	393.8 0.3				
	(0.7000)	(0.5000)	(8.0000)				
XE 140	456. 2.	491.2 0.8	514.2 0.8	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(0.1400)	(1.4000)	(2.1000)				
	549. 2.	613.3 0.4	788.1 0.8				
	(0.6000)	(4.4000)	(3.2000)				
XE 139	649. 2.	723. 2.	732. 2.	(A) J 139 ==>	XE 139 E- =====> 39.68S (N,F),	CS 139 *	6.28E+0
	(0.9000)	(1.2000)	(1.2000)				
XE 140	50.6 0.3	80.1 0.1	84.5 0.3	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(7.1500)	(22.1000 9.0)	(1.1700)				
XE 140	89.1 0.3	103.0 0.2	104.4 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(1.5500)	(5.5300)	(6.4000)				
XE 140	112.5 0.1	118.5 0.1	167.3 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(5.2300)	(22.2000 8.9)	(6.1900 9.6)				
XE 140	182.4 0.2	156.3 0.3	198.1 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(1.2000 9.9)	(1.1400)	(2.8000)				
XE 140	242.0 0.2	277.0 0.1	281.0 0.1	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(0.7200)	(2.8300)	(7.2700)				
XE 140	335.6 0.2	373.9 0.1	390.0 0.1	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(1.1000)	(2.7300)	(7.3400 9.5)				
XE 140	429.4 0.1	435.5 0.3	438.7 0.1	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(3.3200 9.0)	(1.0500)	(13.7000)				
XE 140	461.9 0.1	483.3 0.2	503.4 0.3	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(7.4400 8.1)	(0.8400)	(0.9120)				
XE 140	514.9 0.2	518.9 0.2	524.5 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(5.2200 9.5)	(5.1300 9.7)	(2.3000 8.8)				
XE 140	561.6 0.3	572.7 0.5	608.1 0.1	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(1.4500)	(0.7500)	(11.6000 5.5)				
XE 140	639.2 0.2	653.4 0.1	655.7 0.3	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(6.6200 9.0)	(24.7000 8.7)	(3.5000)				
XE 140	696.9 0.3	734.1 0.3	736.2 0.5	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(0.9000)	(1.4200)	(1.0500)				
XE 140	800.1 0.4	805.5 0.1	842.2 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(2.7000)	(100.0000)	(2.7000)				
XE 140	862.4 0.5	864.2 0.5	879.8 0.1	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(0.8100)	(1.1000)	(13.4000 6.3)				
XE 140	902.9 0.3	912.8 0.2	925.0 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(2.0000)	(4.4000 9.2)	(7.2000 8.4)				
XE 140	982.7 0.4	989.0 0.1	1018.5 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(2.3000)	(15.3000 7.4)	(1.4400)				
XE 140	1079.8 0.5	1086.7 0.5	1122.8 0.5	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(1.4000)	(1.3000)	(0.8000)				
XE 140	1141.5 0.4	1154.5 0.3	1176.7 0.2	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(1.5000)	(1.5000)	(5.5000)				
XE 140	1193. 1.	1209.1 0.2	1215.4 0.3	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(0.8000)	(6.7000)	(1.4000)				
XE 140	1315.1 0.1	1347.5 0.2	1413.7 0.1	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(39.2000 8.8)	(0.7000)	(57.3000 8.3)				
XE 140	1661.2 0.3	1885.9 0.3	2074.0 0.3	(R) J 140 ==>	XE 140 E- =====> 13.60S (N,F),	CS 140 *	6.30E+0
	(1.2000)	(1.7000)	(1.1000)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
CS 134	242.69 0.04 (0.0235)	328.5 0.1 (0.0800)	475.36 0.04 (1.5600 4.6)	(A)	CS 134 $\xrightarrow{E-}$ BA 134 2.06A (N,G),	3.55E+01	
	562.33 0.04 (8.8700 4.5)	569.37 0.05 (15.9000 4.7)	604.74 0.03 (58.0000 6.0)				
	795.81 0.05 (86.5000 4.2)	801.9 0.3 (8.7600 4.4)	1038.6 0.5 (1.0000 4.8)				
	1168.0 0.4 (1.8800 4.9)	1365.1 0.3 (3.2400 4.6)					
CS 136	66.90 (14.0000)	86.43 (5.8000)	109.87 (0.4500)	(A)	CS 136 $\xrightarrow{E-}$ BA 136 13.0 D (N,A), (D,A), (N,P),		
	153.38 (8.2000)	164.04 (4.5000)	166.67 (0.6500)				
	176.75 (13.0000)	187.3 (0.5500)	273.76 (13.0000)				
	219.90 (0.6000)	340.60 (45.0000)	507.20 (1.0000)	818.48 (100.0000)	1048.10 (81.0000)		
	1235.41 (20.0000)						
CS 137	32.1 0.1 (5.7000)	36.5 0.1 (1.3000)	661.63 0.02 (85.1000)	(A) XE 137 ==>	CS 137 $\xrightarrow{E-}$ BA 137M* 29.90A (N,F),		6.17E+0
CS 138M	79. (2.5000)	113.5 (7.0000)	192.5 0.5 (72.0000)	(R)	CS 138M $\xrightarrow{IT}$ CS 138 * 3.0 M (N,P),		
	214. (*****)	325.5 (*****)	462.8 0.1 (100.0000)				
	1435.9 0.2 (100.0000)						
CS 138	137.8 0.2 (3.7000 1.0)	192.3 0.4 (2.0000 1.1)	193.7 0.5 (0.3530)	(A) XE 138 ==>	CS 138 $\xrightarrow{E-}$ BA 138 32.8 S (N,P), (N,F),		6.60E+0
	212.2 0.3 (0.1650)	227.6 0.2 (4.4000 1.9)	324.9 0.3 (0.1880)				
	333.9 0.3 (0.0540)	364.4 0.2 (0.4630)	409.0 0.2 (10.4000 1.7)				
	421.5 0.2 (0.1800)	462.79 0.08 (66.9000 1.6)	516.4 0.5 (0.2030)	547.00 0.09 (21.4000 1.3)	681.2 0.4 (0.0555)		
	767. 1. (0.0443)	772.7 0.4 (0.1280)	782.0 0.4 (0.1950)	871.7 0.2 (5.3500 5.5)	880.6 0.8 (0.0750)		
	935. 1. (0.1300)	1009.8 0.2 (52.7000 1.1)	1041.6 0.9 (0.0278)	1054.0 0.8 (0.0645)	1147.2 0.5 (0.5630)		
	1204. 1. (0.1880)	1265. 1. (0.1800)	1343.5 0.4 (0.9000)	1415.7 0.6 (0.3830)	1435.8 0.2 (76.1000 3.5)		
	1444.8 0.5 (0.3750)	1478. 1. (0.0225)	1495.8 0.9 (0.0975)	1555.3 0.4 (0.1950)	1573. 1. (0.0300)		
	1614. 1. (0.0525)	1717.4 0.6 (0.0375)	1727.7 0.6 (0.0450)	1747. 1. (0.0450)	1778.3 0.6 (0.0750)		
	1871. 2. (17.1000 0.1)	1981. 1. (0.1350)	2062. 1. (0.0435)	2212. 2. (0.1200)	2217.8 0.2 (15.4000 4.6)		
	2499.6 0.8 (0.1280)	2583.2 0.8 (0.2400)	2639.3 0.3 (7.6000 4.6)	2731. 1. (0.1200)	2807. 1. (0.1050)		
	2922. 1. (0.0087)	2931. 1. (0.0225)	3050. 1. (0.0285)	3072. 1. (0.0057)	3338.9 0.8 (0.1500)		
	3352. 2. (0.0413)	3365.9 0.8 (0.2180)	3442. 2. (0.0067)	3642. 2. (0.0195)	3937. 2. (0.0150)		
	4081. 2. (0.0113)						
CS 139	102. 2. (6.6000)	627. 2. (27.0000)	1107. 2. (100.0000)	(R) XE 139 ==>	CS 139 $\xrightarrow{E-}$ BA 139 * 556. S (N,F),		6.28E+0
	1284. 2. (6.5000)						
CS 140	528.2 0.5 (5.8000)	602.2 0.3 (100.0000)	671.9 1.0 (2.4000)	(R) XE 140 ==>	CS 140 $\xrightarrow{E-}$ BA 140 * 63.7 S (N,F),		6.30E+0
	735.5 1.0 (1.0000)	908.2 0.5 (16.0000)	1008.5 1.0 (2.0000)				
	1130.3 1.0 (5.5000)	1200. 1. (5.7000)	1221.2 1.0 (4.2000)				
	1246.2 1.0 (1.2000)	1390.8 1.0 (2.4000)	1499.9 1.0 (6.1000)	1633.8 1.5 (3.4000)	1827.0 2.0 (2.5000)		
	1652.6 0.5 (8.1000)	1948.2 1.5 (2.0000)	2059. 2. (4.7000)	2237. 2. (3.1000)	2330. 2. (3.6000)		
	2348. 2. (*****)	2429. 2. (4.6000)	2522. 2. (5.0000)	3055. 2. (*****)	3794. 2. (*****)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
CS 141				XE 141 ==>	CS 141 E- =====> 24.7 S (N,F),	BA 141 *	5.81E+0
CS 142	140.0 0.6 (0.7000)	175.7 0.7 (0.6000)	186.3 0.3 (0.5000)	(R) XE 142 ==>	CS 142 E- =====> 1.67S (N,F),	BA 142 *	6.46E+0
	208.8 0.4 (0.5000)	277.2 0.8 (0.5000)	281.9 0.6 (0.5000)				
	325.1 0.5 (0.6000)	359.52 0.02 (100.0000)	401.6 0.5 (0.7000)				
	459.3 0.6 (1.0000)	475.0 0.3 (1.2000)	857.3 0.5 (1.4000)	915.4 0.7 (1.1000)	932.9 0.2 (2.7000)		
	966.9 0.1 (37.0000)	986.2 0.4 (1.7000)	1015.3 0.5 (1.1000)	1064.2 0.4 (3.2000)	1100.6 0.3 (2.1000)		
	1118.2 0.6 (1.0000)	1137.5 0.5 (0.9000)	1175.88 0.08 (12.0000)	1192.6 0.4 (1.6000)	1243.5 0.1 (1.7000)		
	1279.88 0.07 (7.3000)	1326.48 0.02 (36.0000)	1333.1 0.2 (5.0000)	1422.96 0.05 (8.0000)	1559.7 0.1 (3.2000)		
	1610.9 0.2 (1.5000)	1768.5 0.1 (2.1000)	1818.1 0.1 (1.8000)	1898.81 0.09 (5.0000)	1915.6 0.2 (1.2000)		
	1935.3 0.2 (2.0000)	1957.0 0.5 (1.6000)	1960.9 0.5 (0.8000)	1982.1 0.1 (6.3000)	2057.2 0.5 (0.5000)		
	2152.0 0.5 (0.5000)	2165.4 0.5 (0.5000)	2246.5 0.1 (3.2000)	2254.1 0.2 (2.2000)	2300.0 0.4 (0.7000)		
	2334.6 0.4 (0.7000)	2341.4 0.2 (1.2000)	2351.2 0.3 (1.1000)	2393.4 0.5 (0.7000)	2397.6 0.2 (1.8000)		
	2411.7 0.4 (0.9000)	2455.2 0.5 (0.5000)	2508.3 0.4 (0.7000)	2522.6 0.2 (1.9000)	2544.5 0.4 (0.7000)		
	2575.7 0.7 (0.5000)	2613.6 0.3 (0.9000)	2655.2 0.4 (0.7000)	2676.5 0.4 (0.6000)	2720.0 0.8 (0.5000)		
	2725.3 0.2 (3.2000)	2757.2 0.2 (2.2000)	2784.6 0.3 (1.0000)	2795.7 0.5 (0.5000)	2840.2 0.3 (0.9000)		
	2856.1 0.5 (0.5000)	2882.5 0.1 (2.6000)	2924.1 0.1 (3.8000)	2939.1 0.4 (0.9000)	2987.5 0.6 (0.5000)		
	2992.6 0.5 (0.6000)	3079.7 0.7 (0.5000)	3144.4 0.2 (1.4000)	3167.3 0.4 (0.9000)	3182.3 0.6 (0.6000)		
	3262.0 0.4 (1.1000)	3282.9 0.2 (4.1000)	3368.9 0.5 (0.7000)	3426.1 0.2 (2.1000)	3573.03 0.09 (4.9000)		
	3662.5 0.4 (1.0000)	3786.6 0.2 (1.6000)	3798.2 0.2 (1.9000)	3835.0 0.2 (2.2000)	3852.7 0.7 (0.6000)		
	3870.5 0.2 (1.3000)	3876.8 0.8 (0.7000)	3897.3 0.4 (0.8000)	3931.7 0.2 (2.2000)	4028.1 0.4 (0.7000)		
	4036.6 0.4 (0.7000)	4086.5 0.5 (0.6000)	4096.1 0.3 (1.0000)	4237.1 0.2 (1.7000)	4249.4 0.4 (0.6000)		
	4276.5 0.3 (0.6000)	4369.3 0.2 (2.2000)	4418.0 0.2 (2.1000)	4494.2 0.4 (0.6000)	4564.8 0.4 (0.5000)		
CS 143				XE 143 ==>	CS 143 E- =====> 1.67S (N,F),	BA 143 *	5.87E+0
CS 144	199.3 0.2 (*****)			(R) XE 144 ==>	CS 144 E- =====> 1.01S (N,F),	BA 144 *	5.34E+0

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
BA 129	129.1 0.1 (51.0000)	135.6 0.3 (8.0000)	176.9 0.3 (12.0000)	(R)	BA 129 ^{EC} =====> CS 129 * 2.17H		
	182.3 0.1 (100.0000)	202.3 0.1 (39.0000)	214.3 0.1 (87.0000)				
	220.8 0.1 (53.0000)	238.3 0.6 (1.6000)	333.9 0.7 (0.3400)				
	366.4 0.2 (2.0000)	392.4 0.4 (13.0000)	420.2 0.2 (25.0000)	426.7 0.4 (0.9600)	435.1 0.5 (1.4000)		
	459.6 0.2 (14.0000)	468.0 0.2 (2.8000)	481.6 0.2 (8.2000)	501.4 0.4 (3.7000)	528.4 0.3 (2.2000)		
	534.6 0.3 (2.5000)	543.2 0.2 (4.2000)	546.8 0.3 (11.0000)	554.1 0.2 (16.0000)	566.1 0.3 (6.8000)		
	569.1 0.4 (2.2000)	596.9 0.1 (16.0000)	656.4 0.3 (4.5000)	670.8 0.7 (0.6800)	678.9 0.1 (15.0000)		
	684.4 0.7 (0.6500)	693.4 0.2 (4.0000)	700.6 0.3 (2.4000)	712.2 0.3 (2.8000)	744.9 0.4 (0.9000)		
	748.6 0.2 (6.8000)	768.6 0.3 (2.8000)	776.1 0.5 (0.6500)	780.6 0.2 (7.1000)	783.3 0.4 (1.3000)		
	802.5 0.3 (5.9000)	804.0 0.3 (4.5000)	820.3 0.3 (4.2000)	829.3 0.3 (1.4000)	833.6 0.3 (2.8000)		
	872.5 0.1 (5.9000)	892.7 0.1 (21.0000)	927.5 0.3 (1.5000)	933.4 0.3 (2.8000)	935.5 0.3 (3.1000)		
	944.5 0.4 (0.7100)	947.5 0.4 (1.3000)	957.3 0.3 (5.4000)	962.7 0.3 (2.4000)	991.4 0.3 (1.5000)		
	999.7 0.1 (7.9000)	1035.1 0.3 (9.0000)	1044.7 0.3 (16.0000)	1047.6 0.6 (5.7000)	1077.4 0.3 (1.4000)		
	1116.3 0.3 (1.5000)	1122.4 0.2 (7.1000)	1127.1 0.3 (3.1000)	1164.6 0.2 (8.8000)	1179.1 0.5 (0.7300)		
	1209.2 0.2 (9.0000)	1221.8 0.1 (8.5000)	1237.8 0.4 (1.1000)	1250.8 0.3 (1.9000)	1255.6 0.4 (5.6000)		
	1276.2 0.4 (0.4000)	1293.1 0.4 (0.8500)	1295.4 0.4 (0.4000)	1370.3 0.4 (1.1000)	1385.4 0.4 (0.9600)		
	1399.9 0.5 (0.5100)	1421.6 0.4 (0.2800)	1439.9 0.5 (0.5600)	1444.2 0.5 (0.5900)	1459.3 0.1 (56.0000)		
	1473.7 0.4 (1.4000)	1492.3 0.4 (0.6200)	1604.5 0.6 (0.2800)	1610.0 0.3 (1.8000)	1623.8 0.2 (11.0000)		
	1641.2 0.4 (0.4200)	1654.0 0.2 (3.7000)	1693.8 0.5 (0.2500)	1701.5 0.5 (0.3400)	1752.3 0.4 (0.4000)		
	1787.9 0.4 (0.2300)	1805.4 0.4 (0.7100)	1810.1 0.4 (0.2000)	1818.6 0.3 (0.5900)	1830.4 0.2 (4.0000)		
	1922.8 0.3 (0.3100)	1947.7 0.3 (1.6000)	2069.7 0.3 (0.2800)	2287.1 1.0 (0.0800)			
BA 131M	108.2 0.2 (40.0000)			(A)	BA 131M ^{IT} =====> BA 131 * 14.5 H (N,G),	3.02E-03	
BA 131	55.0 0.3 (0.1530)	78.7 0.2 (1.0800 6.5)	82.4 0.3 (0.0279)	(A)	BA 131 ^{EC} =====> CS 131 * 11.8 D (N,G),	1.32E-02	
	92.3 0.2 (1.1500 6.3)	123.5 0.5 (40.0000)	133.4 0.5 (2.8400)				
	157.2 0.2 (0.3670 8.2)	215.7 0.5 (28.2000 5.0)	239.45 0.09 (3.8700 6.0)				
	247.0 0.3 (0.9680 9.1)	249.4 0.2 (4.5500 4.9)	294.4 0.2 (0.2460)	351.7 0.3 (0.2390)	373.0 0.5 (21.3000)		
	404.10 0.08 (1.8800 7.1)	427.8 0.2 (0.1490)	451.37 0.09 (0.1050)	461.2 0.3 (0.2910)	462.9 0.3 (0.1630)		
	480.5 0.2 (0.6520)	486.5 0.2 (2.7000 6.9)	496.23 0.06 (63.4000 4.6)	572.95 0.08 (0.2570 9.8)	585.0 0.1 (1.6800 7.4)		
	620.19 0.09 (1.9800 7.1)	674.8 0.2 (0.1890)	696.5 0.1 (0.2030)	832.0 0.2 (0.3390)	914.8 0.3 (0.1030)		
	924.4 0.1 (1.0400)	969.4 0.3 (0.0718)	1048.3 0.3 (1.9800 5.1)				
BA 133M	276. (17.0000)			(A)	BA 133M ^{IT} =====> BA 133 * 38.9 H (N,G), (P,N), (D,2N),	1.72E-04	
BA 133	53.21 0.04 (2.2100 4.4)	79.65 0.03 (2.8600 6.1)	80.996 0.005 (35.9000 2.1)	(A)	BA 133 ^{EC} =====> CS 133 10.35A (N,G), (P,N),	9.77E-03	
	160.62 0.03 (0.7140 2.7)	223.12 0.04 (0.4830 3.6)	276.40 0.02 (7.2700 1.4)				
	302.84 0.02 (18.6000 1.4)	356.03 0.03 (62.4000 1.4)	383.84 0.02 (8.9400 1.4)				

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NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CT/G)	FISS.Y. (U 235)
BA 142	69.7 0.1 (1.3300)	77.59 0.02 (41.8000 5.2)	77.6 0.1 (54.0000)	(R) CS 142	==> BA 142	E- =====> 10.65M	LA 142 * 5.84E+0
	84.4 0.2 (1.0000 9.8)	123.01 0.05 (5.1000)	154.4 0.1 (2.7700 8.4)		(N,F),		
	162.0 0.2 (0.6000)	176.94 0.04 (6.5000)	216.30 0.06 (1.1900)				
	222.8 0.1 (1.6300)	231.57 0.04 (57.0000)	242.79 0.06 (1.4300 9.3)	255.20 0.06 (100.0000)	269.6 0.1 (4.6000)		
	283.9 0.3 (1.0000)	286.29 0.04 (5.9000)	309.09 0.05 (14.9000 6.3)	334.95 0.04 (7.6000)	337.3 0.1 (1.5300)		
	346.7 0.5 (0.8000)	363.89 0.05 (28.0000)	379.13 0.09 (3.0700)	381.0 0.7 (1.0000)	417.6 0.1 (2.1400 8.8)		
	424.99 0.04 (3.0000 0.8)	432.22 0.06 (6.0000)	448.1 0.5 (1.2000)	457.3 0.2 (2.2000)	473.31 0.07 (2.0700)		
	488.3 0.5 (0.6000)	513.3 0.5 (1.3000)	531.9 0.6 (0.5000)	537.5 0.5 (0.6000)	558.3 0.3 (1.7000)		
	590.4 0.2 (2.2000)	599.75 0.05 (12.0000 0.2)	604.2 0.3 (1.8000)	608.9 0.2 (2.0000)	769.5 0.1 (3.5600 8.8)		
	786.4 0.3 (1.4000)	792.2 0.4 (1.2000)	823.4 0.3 (2.3000)	840.27 0.05 (18.0000)	876.6 0.9 (0.4000)		
	894.97 0.06 (69.0000)	948.81 0.05 (54.0000)	1000.91 0.05 (52.0000)	1032.8 0.3 (2.7000)	1078.52 0.04 (59.0000)		
	1093.55 0.05 (16.0000)	1123.0 0.1 (1.9000)	1126.57 0.05 (8.9000)	1148.4 0.1 (2.2400)	1202.2 0.1 (30.0000)		
	1203.99 0.06 (97.0000)	1283.4 0.5 (0.9000)	1380.03 0.07 (15.0000)				
BA 143	81.4 0.1 (29.0000 8.6)	156.6 0.1 (65.0000)	172.8 0.1 (100.0000 1.7)	(R) CS 143	==> BA 143	E- =====> 13.7 S	LA 143 * 5.87E+0
	289.8 0.1 (64.0000 3.7)	515.5 0.3 (88.0000 4.5)			(N,F),		
BA 144	388.5 0.2 (100.0000)	430.4 0.4 (75.0000)		(R) CS 144	==> BA 144	E- =====> 9.09S	LA 144 * 5.34E+0
					(N,F),		
BA 145	297.8 0.4 (61.0000 3.9)	544.9 0.5 (100.0000)	571.1 0.3 (86.0000)	(R)	BA 145	E- =====> 5.6 S	LA 145 * 3.88E+0
					(N,F),		
BA 146	327.0 0.3 (37.7000 5.1)	332.9 0.2 (100.0000)		(R)	BA 146	E- =====> 1.70S	LA 146 * 2.96E+0
					(N,F),		

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
LA 132	193. (11.0000)	306. (0.5000)	430. (0.1500)	(A)	LA 132 E+ =====> 4.5 H BA 132		
	464. (74.0000)	499. (0.6000)	515. (4.5000)				
	540. (6.5000)	553. (0.2500)	567. (15.2000)				
	601. (0.2000)	644. (0.2500)	654. (0.3500)	663. (8.7000)	689. (0.2500)		
	697. (0.6000)	801. (0.2000)	816. (0.4500)	847. (0.2000)	881. (0.9000)		
	899. (4.2000)	940. (0.2000)	966. (0.5000)	976. (0.4000)	994. (0.4000)		
	1031. (8.5000)	1046. (3.4000)	1188. (0.4000)	1196. (0.5000)	1208. (0.5000)		
	1221. (3.0000)	1240. (0.2500)	1246. (0.3500)	1263. (0.2000)	1285. (0.2500)		
	1308. (0.2000)	1342. (0.5000)	1366. (0.3500)	1370. (0.3500)	1390. (0.2000)		
	1398. (0.3000)	1407. (0.2000)	1439. (0.5000)	1532. (2.6000)	1535. (2.6000)		
	1556. (0.2000)	1581. (1.1000)	1603. (4.0000)	1704. (0.2000)	1755. (0.2000)		
	1776. (0.5000)	1802. (0.5000)	1823. (0.4000)	1846. (0.5000)	1870. (0.2000)		
	1877. (0.4000)	1909. (9.3000)	1948. (0.2500)	1998. (0.6000)	2041. (0.8000)		
	2102. (6.3000)	2185. (0.3000)	2284. (0.3500)	2304. (0.4000)	2364. (0.3500)		
	2390. (1.1000)	2410. (0.5500)	2453. (0.6000)	2462. (0.9000)	2557. (0.2500)		
	2631. (0.4500)	2659. (0.2000)	2684. (0.2000)	2690. (0.9000)	2692. (0.6500)		
	2709. (0.2500)	2741. (0.2000)	2754. (1.9000)	2776. (0.1500)	2812. (0.2000)		
	2872. (0.3000)	2970. (0.1500)	3028. (0.2000)	3098. (0.6000)	3125. (0.1500)		
	3143. (0.1000)	3154. (0.1000)	3168. (0.3000)	3185. (0.1000)	3197. (0.9000)		
	3248. (0.1500)	3269. (0.2000)	3354. (0.3500)	3363. (0.2500)	3382. (0.2000)		
	3437. (0.1000)	3477. (0.1000)	3506. (0.1500)	3605. (0.1500)	3633. (0.4000)		
LA 134	563.0 0.6 (6.0000)	605.2 0.5 (100.0000)	1111.7 0.8 (0.9000)	(R)	LA 134 E+ =====> 6.7 H BA 134		
	1168.5 0.6 (3.7000)	1210.9 0.6 (4.1000)	1320.5 0.8 (3.7000)				
	1396.6 0.7 (1.3000)	1424.7 0.5 (8.2000)	1483.6 0.6 (6.4000)				
	1554.8 0.6 (16.0000)	1718.2 0.8 (0.4000)	1732.1 0.5 (7.4000)	1773.7 0.5 (1.7000)	1778.7 1.2 (0.1000)		
	1959.2 0.7 (1.2000)	1994.2 1.0 (1.0000)	2028.5 1.0 (0.7000)	2050.7 1.5 (0.1400)	2088.1 0.7 (1.0000)		
	2090.0 1.0 (0.2000)	2124.3 0.6 (0.4000)	2143.2 0.6 (0.2000)	2155.3 0.8 (0.0700)	2158.3 0.8 (0.1000)		
	2223.6 0.5 (0.2000)	2281.6 0.6 (0.1000)	2336.0 1.5 (0.0500)	2565.3 1.0 (0.0600)	2571.3 1.0 (0.1300)		
	2600.2 1.0 (0.0300)	2696.7 1.2 (0.0200)	2851.5 1.5 (0.0050)	2940.4 1.2 (0.0100)			
LA 140	24.595 0.004 (0.0100 1.0)	64.130 0.007 (0.0095)	68.915 0.004 (0.0603)	(A) BA 140 ==>	LA 140 E- =====> 40.27H CE 140	1.12E+01	6.30E+0
	109.417 0.004 (0.2190 7.3)	131.121 0.005 (0.5050)	173.545 0.007 (0.1280)		(N,G), (N,F),		
	241.962 0.008 (0.4360)	266.550 0.008 (0.5280)	306.9 0.2 (0.0374)				
	328.760 0.009 (19.8000 7.2)	397.80 0.07 (0.1020)	432.51 0.02 (3.1400 8.1)	438.5 0.4 (0.0201)	446.0 0.5 (0.0239)		
	487.02 0.01 (44.7000 4.2)	618.2 0.5 (0.0429)	751.80 0.05 (4.3900 2.4)	815.78 0.04 (23.1000 2.0)	867.83 0.08 (5.4800 5.1)		
	919.6 0.1 (2.5100 5.8)	925.24 0.09 (6.7900 4.5)	936.9 0.4 (0.0573)	950.8 0.4 (0.5870 9.7)	1596.18 0.04 (95.6000 1.1)		
	1903.2 0.3 (0.0057)	2348.3 0.4 (0.8600 4.5)	2465.3 0.8 (0.0172)	2521.9 0.3 (3.2300 5.5)	2533.4 0.7 (0.0038)		
	2547.7 0.5 (0.1080 7.4)	2899.7 0.4 (0.0656)	3118.6 0.3 (0.0267 9.6)	3319.6 0.9 (0.0045)			

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. V. (U 235)
LA 141	1370. (2.0000)			(A) BA 141	==> LA 141 E- *****> 3.87H (N,F),	CE 141 *	5.81E+0
LA 142	420.8 0.1 (0.4200)	433.4 0.1 (0.6300)	532.5 0.4 (0.2600)	(A) BA 142	==> LA 142 E- *****> 92.5 H (N,F), (N,P),	CE 142	5.87E+0
	578.09 0.04 (1.5000 8.6)	619.5 0.2 (0.1600)	641.17 0.03 (53.0000)				
	861.6 0.1 (2.0000 8.6)	870.2 0.3 (0.2100)	894.86 0.04 (9.6000 6.6)				
	962.2 0.1 (0.3700)	1006.7 0.2 (0.2600)	1011.4 0.1 (4.5000 6.0)	1043.7 0.1 (3.0000 7.9)	1061.8 0.2 (0.1600)		
	1070.3 0.3 (0.1600)	1088.9 0.1 (0.3200)	1130.5 0.3 (0.5300)	1144.5 0.2 (0.1600)	1160.2 0.1 (1.9000)		
	1174.3 0.3 (0.1600)	1191.1 0.2 (0.4200)	1231.5 0.5 (0.3200)	1233.1 0.1 (2.3000 7.8)	1242.4 0.3 (0.2100)		
	1323.2 0.2 (0.3700)	1332.3 0.4 (0.1100)	1363.0 0.1 (2.1000 9.4)	1373.6 0.7 (0.2100)	1389.3 0.1 (0.2100)		
	1395.3 0.2 (0.2100)	1402.2 0.2 (0.1600)	1445.5 0.3 (0.1600)	1493.7 0.2 (0.1600)	1516.3 0.2 (0.4700)		
	1535.6 0.3 (0.3200)	1540.2 0.2 (0.5300)	1545.8 0.1 (3.5000 8.4)	1618.3 0.2 (0.3200)	1651.6 0.4 (0.2100)		
	1688.1 0.3 (0.2600)	1722.9 0.1 (1.5000 9.1)	1756.4 0.1 (2.9000 6.8)	1768.7 0.7 (0.2100)	1771.0 0.5 (0.2100)		
	1806.3 0.5 (0.1600)	1885.4 0.7 (0.5800)	1901.3 0.1 (7.7000)	1923.1 0.3 (0.1600)	1933.5 0.5 (0.1600)		
	1948.2 0.4 (0.5300)	1960.6 0.5 (0.1600)	2004.3 0.1 (0.7900)	2025.4 0.2 (1.2000)	2038.7 0.2 (1.0000)		
	2050.4 0.2 (0.5300)	2055.2 0.1 (2.8000 9.0)	2076.9 0.2 (0.6300)	2086.1 0.2 (0.2600)	2100.3 0.2 (0.9500)		
	2126.2 0.3 (0.3700)	2139.4 0.2 (0.4700)	2180.3 0.2 (0.5800)	2187.2 0.1 (5.1000 9.1)	2290.5 0.6 (0.3700)		
	2358.4 0.2 (0.7900)	2364.3 0.3 (0.4200)	2397.7 0.1 (13.0000)	2419.5 0.4 (0.2100)	2459.4 0.4 (0.4200)		
	2513.2 0.6 (0.1600)	2532.4 0.5 (0.7900)	2542.6 0.1 (9.5000)	2663.5 0.3 (1.4000)	2666.8 0.1 (1.9000 6.8)		
	2672.7 0.7 (0.1100)	2782.0 0.6 (0.2600)	2800.7 0.4 (0.4200)	2818.1 0.1 (0.6300)	2828.6 0.2 (0.2600)		
	2971.0 0.4 (1.3000)	2999.9 0.2 (0.3700)	3007.1 0.5 (0.2100)	3012.9 0.2 (0.6800)	3034.3 0.2 (0.4200)		
	3046.8 0.2 (0.2600)	3062.4 0.7 (0.1600)	3075.8 0.3 (0.1600)	3155.0 0.3 (0.1100)	3180.9 0.3 (0.2100)		
	3236.7 0.2 (0.3200)	3242.4 0.3 (0.1600)	3273.7 0.8 (0.1100)	3314.6 0.2 (1.1000)	3401.8 0.3 (0.3200)		
	3459.3 0.2 (0.3200)	3612.2 0.2 (0.1600)	3632.8 0.2 (0.3700)	3719.1 0.2 (0.2600)	3850.5 0.3 (0.2600)		
LA 143	440. (13.0000)	625. (100.0000)	1980. (35.0000)	(R) BA 143	==> LA 143 E- *****> 14.3 H (N,F),	CE 143 *	5.87E+0
	2460. (13.0000)	2560. (27.0000)	2850. (15.0000)				
LA 144	397.5 0.5 (*****)			(R) BA 144	==> LA 144 E- *****> 39.9 S (N,F),	CE 144 *	5.34E+0
LA 145	160.3 0.3 (*****)			(R) BA 145	==> LA 145 E- *****> 29.2 S (N,F),	CE 145 *	3.88E+0
LA 146	296.0 0.2 (*****)			(R) BA 146	==> LA 146 E- *****> 2.97S (N,F),	CE 146 *	2.96E+0
LA 148	158.45 0.08 (*****)			(R)	LA 148 E- *****> 1.29S (N,F),	CE 148 *	1.66E+0

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
CE 135	34.49 0.02 (0.9600)	86.92 0.04 (*****)	88.69 0.07 (*****)	(A)	CE 135 EC =====> LA 135 * 17. H		
	117.9 0.5 (*****)	119.42 0.06 (*****)	132.8 1.0 (*****)				
	206.36 0.02 (3.1000)	265.3 0.1 (18.0000)	299.85 0.07 (10.0000)				
	379.0 0.7 (0.4600)	387.0 0.7 (0.1600)	397.5 0.6 (0.1300)	478.9 0.9 (*****)	482.4 0.7 (0.7800)		
	511.006 0.002 (0.8800)	517.1 0.6 (5.5000)	544.6 0.6 (0.1600)	571.2 0.7 (5.3000)	576.5 0.7 (2.7000)		
	605.7 0.7 (8.0000)	621.0 0.8 (0.0400)	664.4 0.7 (1.0000)	682.9 0.6 (0.0800)	717.7 0.7 (0.0800)		
	755.5 1.0 (0.2700)	782.8 0.7 (4.2000)	827.5 0.7 (2.0000)	844.1 1.3 (0.0160)	870.5 0.7 (1.3000)		
	904.9 0.7 (0.5300)	964.1 0.7 (0.1100)	1037.0 1.0 (0.0240)	1051.0 1.0 (0.0240)	1138.2 1.0 (0.0240)		
	1148.7 0.7 (0.2900)	1171.3 0.7 (0.1800)	1183.1 0.7 (0.4600)	1215.3 2.0 (0.0480)	1233.6 2.0 (0.0320)		
	1300.9 1.5 (0.0320)	1439.6 1.4 (0.0480)	1467.0 1.4 (0.0960)	1502.0 1.5 (0.0320)	1531.1 1.5 (0.0160)		
	1559.8 1.3 (0.0400)	1587.9 2.0 (0.0320)	1760.6 1.8 (0.0160)	1766.0 1.0 (0.0320)	1797.7 0.8 (0.0080)		
CE 137H	168. (4.4000)	255. (11.0000)	825. (3.5000)	(A)	CE 137H IT =====> CE 137 * 34.4 H	2.13E-03	
	836. (0.7800)	916. (0.6100)	926. (0.3100)		(N,G),		
	994. (0.0140)	1004. (0.1900)					
CE 137	433. (0.0500)	436. (0.3100)	446. (2.0400)	(A)	CE 137 EC =====> LA 137 * 9. H	1.41E-02	
	479. (0.0170)	481. (0.0400)	492. (0.0100)		(N,G),		
	698. (0.0350)	771. (0.0090)	781. (0.0040)				
	916. (0.0670)	926. (0.0340)					
CE 139H	754.0 0.2 (93.0000)			(A)	CE 139H IT =====> CE 139 * 56.6 S	4.36E-05	
					(N,G), (P,N),		
CE 139	165.850 0.005 (82.6000)			(A)	CE 139 EC =====> LA 139 137.2 D	3.19E-03	
					(N,G), (D,2N),		
CE 141	145.440 0.003 (48.0000)			(A) LA 141 ==>	CE 141 E- =====> PR 141 32.5 D	1.22E-01	5.87E+0
					(N,G), (N,P), (N,F),		
CE 143	57.4 0.001 (12.0000)	137.7 0.2 (0.0970)	231.56 0.03 (2.0000)	(A) LA 143 ==>	CE 143 E- =====> PR 143 * 33.4 H	1.22E-01	5.87E+0
	293.26 0.02 (41.3000)	350.55 0.05 (3.3000)	371.1 0.4 (0.0210)		(N,G), (N,F),		
	389.5 0.2 (0.0290)	433.02 0.07 (0.1300)	447.2 0.1 (0.0660)				
	490.36 0.07 (1.9000)	497.9 0.2 (0.0330)	556.9 0.2 (0.0250)	587.3 0.2 (0.2400)	664.6 0.1 (5.2000)		
	722.0 0.1 (5.0000)	791.1 0.3 (0.0170)	806.5 0.2 (0.0250)	809.9 0.2 (0.0250)	880.4 0.1 (0.9100)		
	891.1 0.4 (0.0120)	937.8 0.3 (0.0310)	1003.0 0.2 (0.0660)	1031.5 0.3 (0.0170)	1047.0 0.3 (0.0090)		
	1060.5 0.3 (0.0340)	1103.0 0.2 (0.3600)	1324.6 0.4 (0.0120)	1339.9 0.8 (0.0037)			
CE 144	33.57 0.03 (0.2200 9.1)	40.92 0.03 (0.3900 7.7)	53.41 0.05 (0.1400)	(A) LA 144 ==>	CE 144 E- =====> PR 144 * 284.9 D		5.30E+0
	59.03 (0.2200)	80.12 0.02 (1.5400)	99.95 0.05 (0.0580)		(N,F),		
	133.53 0.03 (10.8000 4.6)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
CE 145	233. 5. (1.9900)	285. 2. (9.1800)	300. 5. (1.9900)	(A)	CE 145 E- =====> PR 145 * 3. M (N,F), (N,A),		3.80E+0
	351. 3. (5.5600)	423. 2. (3.9700)	424. 2. (7.8300)				
	440. 2. (9.2700)	492. 2. (2.9600)	725. 2. (67.1000)				
	863. 2. (3.5100)	915. 5. (4.6400)	1148. 2. (11.5000)	1215. 2. (1.9900)			
CE 146	23. 2. (0.5800)	52.0 0.2 (0.9800)	87.0 0.2 (0.5800)	(A)	CE 146 E- =====> PR 146 * 14.2 M (N,F),		2.96E+0
	98.3 0.3 (3.7000)	100.9 0.4 (2.5800)	106.4 0.3 (0.5800)				
	133.6 0.2 (10.1000)	141.2 0.3 (4.5000)	210.3 0.3 (6.3000)				
	218.3 0.3 (20.6000)	250.9 0.3 (3.3000)	264.7 0.3 (9.9000)	316.8 0.3 (52.8000)	351.9 0.5 (0.2600)		
	369.1 0.4 (0.2100)	415.6 0.3 (1.3000)	467.9 0.4 (0.7400)	503.0 0.3 (1.2000)			
PR 133	74. 1. (74.0000)	134.3 0.5 (100.0000)	149.2 0.5 (8.0000)	(R)	PR 133 E- =====> CE 133 * 6.5 M		
	183.4 0.5 (3.5000)	223.2 0.5 (5.0000)	241.9 0.5 (40.0000)				
	276.7 0.5 (6.4000)	315.6 0.5 (85.0000)	330.8 0.5 (43.0000)				
	362.6 0.5 (12.0000)	370.8 0.5 (2.2000)	436.1 0.5 (2.2000)	460.5 0.5 (17.0000)	465.0 0.5 (50.0000)		
	487.3 0.5 (1.4000)	496.1 0.5 (5.5000)	511.006 0.002 (175.0000)	522.5 0.5 (1.1000)	530.7 0.5 (1.4000)		
	537.6 0.5 (5.3000)	617.4 0.5 (3.5000)	644.9 0.5 (10.0000)	657.2 0.5 (1.4000)	700.6 0.5 (1.9000)		
	704.7 0.5 (2.0000)	779.6 0.5 (1.5000)	826.2 0.5 (2.8000)	834.8 0.5 (2.0000)	839.8 0.5 (1.0000)		
	843.7 0.5 (1.4000)	853.6 0.5 (3.2000)	898.0 0.5 (1.3000)	972.4 0.5 (1.3000)	976.3 0.5 (2.5000)		
	1046.8 0.5 (1.4000)	1147.7 0.5 (2.5000)	1320.9 0.5 (1.4000)	1323.3 0.5 (0.9000)	1343.5 0.5 (1.8000)		
	1406.5 0.5 (1.4000)	1451.9 0.5 (1.9000)	1461.0 0.5 (3.2000)	1494.8 0.5 (7.8000)	1512.5 0.5 (2.8000)		
	1625.6 0.5 (1.8000)	1639.1 0.5 (1.4000)	1803.3 0.5 (3.2000)	1831.2 0.5 (3.5000)	1864.1 0.5 (0.5000)		
	1875.5 0.5 (4.2000)	1949.7 0.5 (2.2000)	2021.1 0.5 (0.7000)				
PR 134	383. 1. (8.0000)	405. 1. (100.0000)	511.006 0.002 (*****)	(R)	PR 134 E+ =====> CE 134 * 17. M		
	557. 1. (22.0000)	639. 1. (36.0000)	966. 1.0 (14.0000)				
PR 135	82.64 0.07 (33.3000)	213.45 0.06 (31.8000)	296.12 0.05 (66.7000)	(R)	PR 135 E+ =====> CE 135 * 22. M		
	324.9 0.2 (1.9100)	484.3 0.3 (4.0000)	511.006 0.002 (100.0000)				
	538.2 0.5 (19.7000)	593.1 0.3 (0.7940)	613.8 0.2 (4.3500)				
	620.9 0.2 (3.8100)	697.5 0.2 (10.5000)	720.6 0.8 (1.1100)	724.4 0.6 (0.9530)	747. 1. (0.3180)		
	806.9 0.2 (2.8600)	934.1 0.2 (1.9100)	1016.9 0.2 (1.6200)	1107. 1. (0.2220)	1131.0 0.6 (0.4130)		
	1143. 2. (0.0953)	1214.2 0.8 (0.3180)	1284.6 0.8 (0.3180)	1367.3 0.6 (0.5080)	1432.9 0.6 (0.6990)		
	1460.8 0.6 (0.4130)	1538.9 0.4 (2.4100)	1646.0 0.8 (0.4450)	1678.4 0.6 (1.0500)	1707.4 0.8 (0.1910)		
	1751.9 0.6 (1.1400)	1755. 2. (0.2220)	1784. 1. (0.2220)	1845. 2. (0.1910)	1860. 2. (0.2540)		
	1867. 2. (0.4130)	1937. 2. (0.1910)	1951. 1. (0.4450)	1973. 1. (0.5400)	2020. 1. (0.2220)		
	2084. 2. (0.3180)	2107. 2. (0.4450)	2322. 3. (0.6990)	2356. 3. (0.1910)			

NUCLIDE	ENERGY (KEV)				ABS/REL	DECAY CHAIN		SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)	
	INTENSITY									
PR 136	461.0 0.2 (4.8500 4.8)	511.006 0.002 (66.0000)	540.0 0.2 (29.1000 5.0)	(A)	PR 136	EC =====> 13.1 H	CE 136			
	552.2 0.2 (41.8000 5.0)	761.0 1.0 (0.5000)	974.9 0.4 (0.2000)							
	1000.7 0.2 (2.5000)	1063.0 0.2 (0.8000)	1092.3 0.2 (10.4000 4.8)							
	1206.0 1.0 (0.1300)	1283.0 1.0 (0.0100)	1359.6 0.2 (0.7000)	1371.0 0.2 (0.0100)	1425.0 0.2 (0.7000)					
	1501.6 0.6 (0.1000)	1515.0 0.2 (1.2000)	1537.7 0.5 (0.1300)	1591.5 0.5 (0.1300)	1602.7 0.2 (2.1000)					
	1774.1 0.3 (0.3000)	1813.2 0.3 (0.4000)	1899.2 0.3 (0.3000)	1965.2 0.2 (0.4000)	2021.0 0.4 (0.2000)					
	2042.6 0.2 (0.4000)	2059.0 0.5 (0.1300)	2067.2 0.2 (1.8000)	2082.4 0.5 (0.1300)	2113.2 0.5 (0.1300)					
	2131.5 0.5 (0.1300)	2141.1 0.6 (0.1000)	2154.7 0.3 (0.2500)	2172.9 0.4 (0.1700)	2190.6 0.6 (0.1000)					
	2216.2 0.4 (0.1700)	2242.5 0.2 (0.5000)	2270.4 0.5 (0.1000)	2273.9 0.7 (0.1000)	2291.7 0.5 (0.1300)					
	2313.7 0.2 (0.5300)	2353.3 0.4 (0.2000)	2370.0 0.7 (0.1000)	2380.0 0.4 (0.1700)	2451.2 0.2 (0.6300)					
	2463.5 0.3 (0.2700)	2470.1 0.3 (0.3000)	2559.2 0.4 (0.2000)	2596.9 0.4 (0.1700)	2613.2 0.3 (0.2300)					
	2622.5 0.3 (0.3000)	2681.0 0.3 (0.1700)	2683.0 0.4 (0.2000)	2713.3 0.5 (0.1300)	2730.3 0.3 (0.3000)					
	2795.0 0.5 (0.1300)	2810.1 0.3 (0.3300)	2844.1 0.3 (0.1700)	2866.4 0.7 (0.0700)	2932.3 0.4 (0.2300)					
	2942.5 0.7 (0.0700)	3027.4 0.5 (0.1300)	3036.3 0.7 (0.0700)	3153.7 0.6 (0.1000)	3174.9 0.6 (0.1000)					
3265.2 0.3 (0.3000)	3283.3 1.0 (0.0300)	3362.4 1.0 (0.0300)	3579.6 0.7 (0.0700)							
PR 138V	79. 1. (0.1200)	158. 1. (0.1100)	178. 1. (0.0640)	(R)	PR 138V	EC =====> 2.1 H	CE 138			
	184. 1. (0.0530)	196. 1. (0.0830)	206. 1. (0.1600)							
	231. 1. (0.1200)	302.6 0.2 (81.7000 6.8)	351. 1. (0.1050)							
	390.9 0.1 (6.0500 6.4)	511.006 0.002 (63.0000)	547.8 0.1 (5.2200 6.3)	635.9 0.1 (1.7800 6.9)	680.8 0.5 (0.2100)					
	770.2 0.5 (0.6600)	788.9 0.1 (100.0000)	940. 2. (0.5000)	1038.1 0.2 (100.0000)	1239.4 0.1 (1.1000)					
	1258. 1. (0.0660)	1283. 1. (0.0660)	1348.0 0.4 (0.3470)	1392.1 0.5 (0.1200)	1417. 1. (0.0440)					
	1454. 1. (0.2500 7.9)	1512. 1. (0.0560)	1528.4 0.8 (0.1370)	1542.6 0.5 (0.1600)	1584. 1. (0.1240)					
	1672. 2. (0.1090)	1710.0 0.8 (0.0885)	1727. 1. (0.0230)	1800.3 0.5 (0.1000)	1808.5 0.3 (0.2330)					
	1855. 1. (0.0280)	1864.6 0.3 (0.1900)	1867.7 0.5 (0.2140 8.2)	1884.4 0.4 (0.1000)	1889.0 0.5 (0.0800)					
	1914. 1. (0.0160)	1928. 1. (0.0140)	1947. 1. (0.0230)	1956.7 0.5 (0.0812)	1961.7 0.5 (0.0940)					
	1969. 1. (0.0280)	1980. 1. (0.0140)	2016. 1. (0.0140)	2027.9 0.3 (0.2200)	2031.4 0.5 (0.1900 8.9)					
	2120. 1. (0.0380)	2199. 1. (0.0120)								
	PR 138	511.006 0.002 (*****	688.2 0.1 (33.0000)	722.3 0.2 (2.1000)	(R)	PR 138	EC =====> 1.5 H	CE 138		
		788.8 0.1 (100.0000	1082.3 0.4 (1.5000)	1431. 4. (3.4000)		(P,N),				
1447.9 0.4 (4.8000)		1510.5 0.3 (3.7000)	1551.5 0.2 (17.0000)							
1893.5 0.3 (2.6000)		2116. 1. (1.2000)	2237. 1. (3.2000)	2472. 1. (2.6000)						
PR 139		254.7 0.3 (0.2700)	511.006 0.002 (18.0000)	1320.0 0.3 (0.0650)	(A)	PR 139	EC =====> 4.5 H	CE 139 *		
	1347.4 0.2 (0.5000)	1357.7 0.2 (0.1700)	1563.6 0.3 (0.0450)							
	1596.6 0.2 (0.0500)	1630.6 0.3 (0.3500)	1653.3 0.3 (0.0400)							
	1730.2 0.4 (0.0080)	1818.4 0.3 (0.0350)	1907.9 0.4 (0.0180)	2015.5 0.5 (0.0150)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
PR 140	306.9 0.2 (37.0000 7.7)	511.006 0.002 (*****)	618.2 0.2 (0.2000)	(R)	PR 140 $\xrightarrow{E+}$ CE 140 3.4 H		
	751.8 0.2 (6.0000 5.9)	867.8 0.2 (0.4000)	924.24 0.06 (5.2000 6.8)				
	936.0 0.4 (0.7000)	950.7 0.2 (0.4000)	1420.3 0.4 (1.8000)				
	1596.5 0.2 (100.0000)	1903.5 0.4 (0.3000)	2348.3 0.4 (1.6300 6.1)	2521.7 0.4 (2.7800 5.1)	2533.0 0.7 (0.0480)		
	2547.5 0.5 (0.0480)	2900.0 0.7 (0.0400)	3120. 1. (0.2000)	3325. 2. (0.0280)			
PR 142	508.8 0.5 (0.0230)	642.0 1.0 (0.0022)	1575.6 0.5 (3.7000)	(A)	PR 142 $\xrightarrow{E-}$ ND 142 19.2 H (N,G),	8.32E+00	
PR 144	626. (0.0020)	675. (0.0030)	696.4 0.2 (1.4700)	(A) CE 144 ==>	PR 144 $\xrightarrow{E-}$ ND 144 17.3 H (N,F),		5.34E+0
	813.5 (0.0040)	836.6 (0.0040)	1388.6 (0.0070)				
	1488.4 0.2 (0.2900)	2185.8 0.2 (0.7300)					
PR 145	72. (0.9500)	345. (*****)	465. (*****)	(A) CE 145 ==>	PR 145 $\xrightarrow{E-}$ ND 145 5.98H (N,F),		3.08E+0
	674. (0.4000)	749. (0.5000)	845. (0.0500)				
	922. (0.1200)	979. (0.1800)	1054. (0.1700)				
	1155. (0.1500)	1390. (*****)					
PR 146	453.6 (55.0000)	535. (0.3300)	561. (0.5500)	(A) CE 146 ==>	PR 146 $\xrightarrow{E-}$ ND 146 24.2 H (N,P), (N,F),		2.96E+0
	590. (1.2000)	602. (3.8000)	711. (0.6600)				
	726. (0.5000)	736.2 (8.9000)	770. (0.6000)				
	924. (3.2000)	1017. (2.0000)	1081. (1.8000)	1144. (0.6000)	1233. (0.8200)		
	1284. (1.3000)	1333. (3.2000)	1378. (6.5000)	1452. (3.1000)	1470. (1.6000)		
	1498. (0.6000)	1526. (21.0000)	1660. (1.1000)	1685. (0.8800)	1745. (0.6600)		
	1810. (0.5000)	1900. (0.7200)	1985. (0.6000)	2058. (0.2000)	2121. (0.5000)		
	2226. (0.4400)	2250. (1.3000)	2351. (1.2000)	2462. (0.3300)	2512. (0.5500)		
	2675. (0.6000)	2774. (0.4000)	2828. (0.8260)	3187. (0.1100)	3275. (0.2200)		
	3365. (0.1100)						
PR 147	78. (17.0000)	565. (39.0000)	645. (24.0000)	(R)	PR 147 $\xrightarrow{E-}$ ND 147 * 12.0 H (N,F),		2.25E+0
	1180. (2.0000)	1260. (11.0000)					
PR 150	130.12 0.06 (*****)			(R)	PR 150 $\xrightarrow{E-}$ ND 150 6.1 S (N,F),		6.40E-1
ND 139H	114. (100.0000)	327. (20.0000)	511.006 0.002 (100.0000)	(R)	ND 139H $\xrightarrow{IT}$ ND 139 * 5.5 H		
	708. (14.0000)	740. (21.0000)	984. (24.0000)				
ND 141	40.75 (*****)	146.6 0.3 (0.2000)	511.006 0.002 (6.0000)	(A)	ND 141 $\xrightarrow{EC}$ PR 141 2.6 H (P,N), (D,2N),		
	1126.8 0.3 (1.0000)	1147.5 0.3 (0.4000)	1292.6 0.3 (0.3000)				
	1298.6 0.3 (0.3000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
ND 147	91.4 0.2 (27.3000)	120.5 (0.3500)	196. (0.1800)	(A) PR 147 ==>	ND 147 E- =====> 10.98D (N,G), (N,F),	PH 147 * 2.53E-01	2.25E+0
	275.1 0.2 (0.8300)	319.4 0.2 (1.8700)	398.2 (0.8400)				
	410. (0.1900)	440.1 0.2 (1.1700)	488. (0.1900)				
	531.0 0.2 (12.8000)	589.6 (0.0350)	594.8 (0.2700)	679.4 (0.0300)	685.9 (0.8800)		
ND 149	58.85 (1.0100)	74.45 (1.8000)	97.05 (1.6000)	(A) PR 149 ==>	ND 149 E- =====> 1.73H (N,G), (N,F),	PH 149 * 1.62E-01	1.09E+0
	114.0 0.2 (18.0000)	156.0 0.2 (5.7000)	189. (2.1000)				
	199. (0.8000)	211.4 0.2 (26.7000)	229. (0.3200)				
	240.0 0.2 (4.5000)	245. (7.2000)	269.6 0.2 (8.6000)	312. (0.2700)	326.3 0.2 (4.9000)		
	349. (1.3000)	423.5 0.2 (8.4000)	444. (1.3000)	540.4 0.2 (8.5000)	556. (1.2000)		
	654.8 0.2 (8.8000)						
ND 151	85. (5.0000)	116.4 0.2 (41.7000)	139.0 0.2 (6.7000)	(A)	ND 151 E- =====> 12. H (N,G), (N,F),	PH 151 * 6.34E-02	4.20E-1
	171. (5.4000)	175. (5.4000)	183. (*****)				
	255.6 0.2 (11.6000)	320. (0.2100)	333. (0.2100)				
	403. (1.2000)	460. (0.8300)	525. (*****)	678. (0.8300)	735. (5.0000)		
	797. (3.3000)	1016. (1.7000)	1123. (2.5000)	1180.7 0.2 (9.2000)			
ND 152	122. (*****)	251. (*****)	279. (*****)	(R)	ND 152 E- =====> 11.5 H (N,F),	PH 152 *	2.50E-1
	295. (*****)	656. (*****)	841. (*****)				
	963. (*****)						
PH 141	194.4 0.3 (1.2000)	511.006 0.002 (100.0000)	622.0 0.3 (0.5900)	(R)	PH 141 E+ =====> 20.9 H ND 141		
	885.8 0.4 (1.4000)	1029. 1. (0.1600)	1223.2 0.5 (2.7000)				
	1344.3 0.7 (0.7600)	1402.2 0.7 (0.4600)	1565.0 0.8 (0.5400)				
	1596.2 0.8 (0.4600)	1879. 1.5 (0.3200)	2073. 1.5 (0.3500)				
PH 143	742. (38.5000 6.2)			(A) SH 143 ==>	PH 143 EC =====> 266. D (P,N),	ND 143	
PH 144	475.7 (43.0000)	618.1 (100.0000)	696.4 (99.0000)	(A)	PH 144 EC =====> 1. A (A,N), (P,N),	ND 144	
PH 147	121.2 (0.0080)			(A) ND 147 ==>	PH 147 E- =====> 2.61A (N,F),	SH 147	2.25E+0
PH 148H	98.4 (11.0000)	189.6 (1.3000)	288. (12.0000)	(A)	PH 148H E- =====> 41.8 D (N,G), (D,2N), (P,N),	SH 148	
	311.5 (3.9000)	414.1 (18.0000)	432.6 (6.7000)				
	501.3 (7.2000)	550.2 (92.0000)	599.5 (8.0000)				
	629.9 (88.0000)	725.7 (32.0000)	915.4 (20.0000)	1013.8 (20.0000)			
PH 148	550.2 (28.0000)	611.1 (1.3000)	912. (15.0000)	(A)	PH 148 E- =====> 5.4 D SH 148		
	1465.1 (22.0000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
PH 149	208.1 1.0 (0.0009)	242.4 1. (0.0009)	254.4 0.5 (0.0045)	(A) ND 149	==> PH 149 E- ===== 53.1 H (N,F),	SH 149	1.09E+0
	263.3 0.4 (0.0091)	276.9 0.4 (0.0270)	285.9 0.1 (3.1000)				
	304.9 0.4 (0.0022)	327.4 0.4 (0.0034)	350.6 0.4 (0.0023)				
	359.4 0.4 (0.0022)	531. 1. (0.0012)	535.8 0.4 (0.0130)	545. 1. (0.0025)	548. 1. (0.0019)		
	558.4 0.4 (0.0140)	568.5 0.4 (0.0180)	590.9 0.2 (0.0680)	613.9 0.4 (0.0130)	636.6 0.4 (0.0062)		
	807.8 0.5 (0.0150)	830.5 0.5 (0.0300)	833.2 0.5 (0.0300)	859.4 0.5 (0.1020)	881.9 0.5 (0.0230)		
PH 150	334. (71.0000)	402. (4.6000)	716. (9.2000)	(A)	PH 150 E- ===== 2.68H (P,N),	SH 150	
	831. (7.1000)	877. (4.3000)	1165. (10.5000)				
	1331. (10.5000)	1730. (4.3000)					
PH 151	25.70 0.03 (1.0600)	62.87 0.02 (0.2500)	64.89 0.01 (2.2900)	(A) ND 151	==> PH 151 E- ===== 28. H (N,G), (N,F),	SH 151 *	4.20E-1
	65.83 0.01 (1.3500)	69.70 0.04 (0.6900)	76.22 0.04 (0.2600)				
	98.05 0.01 (0.3800)	100.02 0.01 (2.6200 7.6)	101.93 0.01 (1.3500 7.4)				
	104.85 0.01 (3.7000 8.1)	109.6 0.1 (0.0800)	121.78 0.05 (0.0800)	130.3 0.1 (0.0700)	139.28 0.02 (0.4600 8.7)		
	143.18 0.05 (0.1800)	147.6 0.1 (0.1700)	156.04 0.05 (0.1500)	162.91 0.03 (0.8400 9.5)	163.55 0.03 (1.4800 5.4)		
	167.72 0.02 (7.7000 5.2)	168.39 0.05 (0.6000)	176.55 0.05 (0.8700 8.0)	177.13 0.03 (3.2000 4.6)	186.58 0.03 (0.1500)		
	201.8 0.2 (0.7600 9.2)	203.9 0.2 (0.1100)	208.9 0.2 (1.5100 4.6)	227.1 0.2 (0.3200)	232.3 0.2 (1.1000 9.3)		
	236.72 0.05 (0.8200 9.8)	239.96 0.04 (3.4000 7.3)	258.05 0.09 (0.5500 5.6)	275.18 0.03 (6.4000 5.6)	290.7 0.1 (0.7500)		
	306.7 0.2 (0.2100)	324.0 0.1 (1.1100 8.1)	340.07 0.03 (21.0000)	344.87 0.03 (2.0000 5.0)	379.78 0.05 (0.9900 7.1)		
	440.84 0.06 (1.4000 4.9)	445.69 0.06 (3.7000 4.9)	565.5 0.5 (0.2600)	574.0 1.0 (2.1000)	636.5 0.2 (1.2000)		
	665. (0.2100)	670.6 0.5 (1.2000)	704.5 0.5 (0.2800)	718.1 0.2 (4.0000)	735.6 0.5 (0.8000)		
	753.1 (1.0000)	772.6 0.5 (0.6000)	785.5 0.5 (0.2000)	818.6 2.5 (0.4000)	877.5 0.5 (0.1000)		
	949.5 0.2 (0.4000)	952. 1.0 (0.0700)	959. (0.0700)				
PH 152H	121.7 0.8 (100.0000)	244.5 0.8 (95.0000 5.3)	340.2 0.8 (47.0000 4.9)	(R)	PH 152H E- ===== 7.55H (N,P),	SH 152	
	360.7 0.8 (1.6000)	364.7 0.8 (2.2000)	431.9 0.8 (1.9000)				
	696.3 0.8 (8.1000)	780.1 0.8 (8.2000)	919.5 0.8 (2.0000)				
	1005.2 0.8 (4.0000)	1097.3 0.8 (43.0000 9.4)	1112.5 0.8 (4.0000)	1437.6 0.8 (41.0000)			
PH 152	121.7 0.8 (100.0000)	244.5 0.8 (2.6000)	440.5 0.8 (2.6000)	(R)	PH 152 E- ===== 3.8 H (N,P),	SH 152	
	564.0 0.8 (2.1000)	673.1 0.8 (6.9000)	688.3 0.8 (5.7000)				
	810.4 0.8 (1.9000)	841.7 0.8 (22.0000)	963. 1. (19.0000 9.0)				
	964. 1. (10.4000 8.7)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
PH 154H	81.9 0.1 (80.0000)	171.4 (8.0000)	184.8 0.1 (100.0000)	(R)	PH 154H $\xrightarrow{E-}$ SH 154 2.8 H (N,P),		
	230.7 0.1 (20.0000)	280.1 0.1 (23.0000)	359.0 0.1 (11.0000)				
	402. (8.0000)	438.8 (9.0000)	526.2 (5.0000)				
	546.9 0.2 (34.0000)	636. (2.0000)	694. (3.0000)	742.9 0.3 (10.0000)	745.6 0.3 (9.0000)		
	834.8 0.3 (11.0000)	914.6 (4.0000)	930.5 0.3 (14.0000)	1041. (6.0000)	1172. (2.5000)		
	1189. (3.0000)	1272. (2.0000)	1280. (2.0000)	1317. (4.0000)	1357.0 0.3 (29.0000)		
	1393.4 (10.0000)	1440.0 0.3 (58.0000)	1450. (10.0000)	1502. (2.0000)	1549. (6.0000)		
	1625.5 (11.0000)	1655. (10.0000)	1719. (4.0000)	2348.8 (8.0000)			
PH 154	374.8 (7.1000)	664.6 (5.4000)	699. (1.8000)	(R)	PH 154 $\xrightarrow{E-}$ SH 154 1.8 H (N,P), (N,F),		1.60E-1
	839.8 0.3 (66.0000)	891.5 0.3 (37.0000)	911.3 0.3 (25.0000)				
	921.5 (45.0000)	963.0 0.3 (27.0000)	969.8 0.2 (43.0000)				
	1017.7 0.2 (54.0000)	1055.4 0.3 (30.0000)	1147.1 0.3 (5.0000)	1177.0 0.3 (21.0000)	1204. (7.1000)		
	1219. (4.5000)	1393.4 0.3 (71.0000)	1809. (5.4000)	1891. (5.4000)	1987.8 (12.0000)		
	2058.6 0.3 (100.0000)	2070. (12.0000)	2141.0 0.3 (54.0000)				
SH 141H	108.5 0.3 (0.2720)	149.1 0.3 (0.3810)	196.6 0.3 (100.0000)	(R)	SH 141H $\xrightarrow{E+}$ PH 141 * 22.1 H		
	247.9 0.2 (1.0400)	431.8 0.1 (54.4000 5.00)	511.006 0.003 (*****)				
	538.5 0.3 (11.4000 6.70)	577.8 0.3 (1.2000)	583.4 0.3 (0.3810)				
	607.9 0.2 (1.3600)	628.7 0.1 (3.5900 3.03)	648.7 0.3 (0.4890)	676.8 0.3 (1.8500)	684.6 0.2 (10.7000 7.65)		
	704.2 0.3 (0.5980)	725.7 0.5 (1.9600)	750.3 0.3 (2.1200)	764.3 0.3 (0.2170)	768.2 0.5 (0.2170)		
	777.4 0.3 (27.3000 3.98)	785.9 0.1 (9.1900 5.92)	805.9 0.1 (4.7800)	820.7 0.3 (0.2170)	837.1 0.2 (4.8300 3.38)		
	875.0 0.1 (1.6900 3.23)	882.0 0.3 (0.2170)	896.5 0.1 (1.9600)	911.3 0.3 (12.4000 2.63)	924.7 0.1 (3.1000)		
	952.1 0.2 (1.2000 4.55)	955.4 0.5 (0.9240 5.88)	974.1 0.5 (0.2720)	983.3 0.3 (9.7800 4.45)	995.8 0.5 (0.4890)		
	1009.1 0.4 (3.9100 8.33)	1029.6 0.6 (0.7070)	1108.4 0.2 (1.6900 9.68)	1117.6 0.2 (4.3500 7.50)	1145.1 0.2 (11.7000 3.70)		
	1287.6 0.4 (0.3810)	1380.9 0.6 (0.2720)	1434.9 0.4 (0.4890)	1463.4 0.6 (2.4500)	1490.3 0.1 (12.5000 6.55)		
	1786.4 0.4 (14.7000 4.06)	1898. 1. (0.5110)	1979.6 0.2 (0.5380)	2073.7 0.2 (1.9000)			
SH 143	511.006 0.002 (96.0000)	1055. (2.6000)	1170. (0.8000)	(A)	SH 143 $\xrightarrow{EC}$ PH 143 * 8.83H (N,2N),		
	1510. (1.0000)	1770. (0.5000)					
SH 145	61.2 0.2 (13.0000)			(A)	SH 145 $\xrightarrow{EC}$ PH 145 * 340. D (N,G),	2.34E-02	

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
SM 153	69.67 0.01 (3.1900)	75.36 0.02 (0.1430)	83.37 0.02 (0.1480)	{A} PH 153 ==>	SM 153 E- =====> 46.8 H (N,G), (N,F),	EU 153 6.07E+01	1.60E-1
	89.47 0.02 (0.1400)	97.45 0.02 (0.7140)	103.18 0.09 (28.0000 9.8)				
	151.6 0.1 (0.0143)	172.86 0.09 (0.0841)	411.9 0.1 (0.0020)				
	424.2 0.2 (0.0017)	436.7 0.2 (0.0014)	462.0 0.3 (0.0014)				
	463.3 0.2 (0.0135 7.1)	484.5 0.2 (0.0003)					
	509.0 0.1 (0.0017)	521.1 0.1 (0.0070)	523.8 0.6 (0.0022)				
	531.9 0.2 (0.0775)	533.1 0.3 (0.0246)					
	539.1 0.2 (0.0173 9.5)	542.7 0.6 (0.0018)	555.0 0.1 (0.0045 8.1)				
	578.8 0.1 (0.0032)	584.8 0.5 (0.0013)					
	585.9 0.3 (0.0003 8.3)	587.7 0.6 (0.0003)	590.7 0.6 (0.0013)				
	595.0 0.2 (0.0120)	596.9 0.2 (0.0118)					
	603.5 0.2 (0.0050)	608.0 0.2 (0.0120)	609.4 0.1 (0.0147)				
	612. 1. (0.0005)	615.5 0.6 (0.0006)					
	618.0 0.6 (0.0009)	630.0 0.6 (0.0001)	636.4 0.2 (0.0021 9.8)				
	657.4 0.4 (0.0003)	662.4 0.6 (0.0001)					
	676. 1. (*****)	682. 1. (*****)	694. 1. (*****)				
	702. 1. (*****)	706. 1. (*****)					
	714.1 0.6 (0.0002)	719.1 0.6 (0.0000)	760.3 0.6 (0.0001)				
	763.8 0.6 (0.0000)						
SM 155	26. 0.6 (0.6300)	61.8 0.3 (0.4000)	64.5 0.5 (0.0070)	{A}	SM 155 E- =====> 22.7 H (N,G), (N,F),	EU 155 * 1.35E+00	3.10E-2
	78.5 0.5 (1.1800)	84.1 0.5 (0.0024)	90.1 0.5 (0.0100)				
	104.32 0.05 (72.0000)	138.6 0.3 (0.0640)	141.41 0.01 (2.3000)				
	167.5 0.3 (0.0480)	169.1 0.3 (0.0500)	178.3 0.5 (0.0020)				
	183.4 0.5 (0.0020)	195.7 0.4 (0.0090)					
	203.1 0.2 (0.0450)	220.1 0.6 (0.0022)	228.7 0.6 (0.0660)				
	229. 1. (0.0030)	245.72 0.05 (3.9000)					
	287.1 0.4 (0.0120)	307.3 0.3 (0.0120)	426.2 0.2 (0.0120)				
	460.80 0.13 (0.0700)	510.2 0.2 (0.0110)					
	522.5 0.2 (0.1500)	571.8 0.2 (0.0176)	603.8 0.2 (0.0084)				
	631.2 0.2 (0.0140)	648.6 0.2 (0.0076)					
	664.0 0.2 (0.0610)	677.2 0.3 (0.0067)	713.4 0.8 (0.0030)				
	768.4 0.4 (0.0055)	830. 2. (0.0010)					
	880. 1. (0.0030)	910. 2. (0.0010)	920. 2. (0.0010)				
SM 156	88. 15.0000 (1.0000)	166. 10.8000 (1.8000)	204. 20.0000 (2.2000)	{A}	SM 156 E- =====> 9.4 H (N,F),	EU 156 *	1.34E-2
	244. 1.0000 (1.0000)	269. 1.8000 (1.8000)	291. 2.2000 (2.2000)				
EU 142	511.006 0.003 (*****)	556.8 0.5 (94.0000)	563.9 0.5 (10.0000)	{R}	EU 142 E+ =====> 1.2 H	SM 142 *	
	768.2 0.4 (100.0000)	1015.7 0.5 (10.0000)	1022.9 0.4 (94.0000)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
EU 148	22.41 0.1 (*****)	116.3 0.2 (0.1000)	182.8 0.2 (0.1100)	(A)	EU 148 EC =====> SM 148 54. D (P,N), (D,N),(D,2N),		
	189.6 0.2 (0.1000)	241.5 0.1 (1.0400 9.6)	243.6 0.2 (0.2300)				
	287.9 0.2 (0.2200)	310.0 0.3 (0.2200)	311.4 0.1 (1.1400 8.8)				
	413.9 0.1 (18.6000 2.7)	422.6 0.1 (2.7900 7.2)	468.4 C.3 (0.4900)	481.2 0.5 (0.1600)	495.2 0.3 (0.2500)		
	501.3 0.1 (0.7500)	505.2 0.5 (0.2800)	511.006 0.003 (*****)	516.7 0.3 (0.4000)	528.5 0.3 (0.1900)		
	550.2 0.5 (99.0000)	553.2 0.1 (17.1000 2.9)	571.90 0.05 (9.1000 3.3)	590.1 0.2 (0.3200)	595.2 0.3 (0.2000)		
	599.5 0.2 (0.5100)	602.6 0.3 (0.2300)	611.26 0.05 (19.3000 2.6)	620.0 0.1 (1.0000)	629.90 0.05 (70.9000 4.2)		
	654.3 0.1 (1.3100)	657.0 0.5 (0.1700)	667.7 0.5 (0.1300)	669.9 0.2 (0.3400)	683.2 0.1 (1.0600 9.4)		
	714.8 0.1 (1.5400 7.8)	719.6 0.3 (0.1100)	725.7 0.1 (12.2000 8.2)	756.6 0.5 (0.1900)	770.4 0.2 (0.3800)		
	799.2 0.2 (0.3400)	870.0 0.1 (4.9000)	895.8 0.1 (0.5500)	903.9 0.2 (0.3400)	906.9 0.3 (0.1500)		
	915.3 0.1 (2.4000 8.3)	924.9 0.2 (0.2700)	930.5 0.1 (2.4000)	938.2 1.0 (0.1100)	949.7 0.2 (0.2100)		
	964.2 0.4 (0.2000)	967.3 0.1 (2.9000)	980.0 0.5 (0.1300)	989.7 0.2 (0.3900)	1013.9 0.2 (0.4100)		
	1034.1 0.1 (7.9000 8.9)	1047.5 0.3 (0.2000)	1066.8 0.2 (0.2900)	1069.2 0.4 (0.2200)	1082.2 0.5 (0.1700)		
	1089.3 0.5 (0.2000)	1057.5 C.7 (0.1000)	1104.3 0.2 (0.4500)	1107.9 0.3 (0.1000)	1113.8 0.3 (0.1300)		
	1126.9 0.5 (0.1000)	1146.9 0.1 (1.9000)	1180.5 0.5 (0.3000)	1183.3 0.1 (1.7000)	1194.1 0.5 (0.1300)		
	1207.4 0.2 (0.5900)	1236.6 0.2 (0.3900)	1309.8 0.2 (0.4600)	1328.5 0.2 (1.2200)	1344.6 0.1 (3.3000 9.1)		
	1353.6 0.2 (0.4700)	1362.6 0.2 (0.5500)	1409.0 0.6 (0.1000)	1454.3 0.3 (0.2500)	1460.5 0.2 (1.1200)		
	1503.0 0.3 (0.1300)	1521.9 0.3 (0.1100)	1543.1 0.2 (0.7100)	1560.7 0.2 (0.8700)	1621.5 0.1 (4.6000)		
	1635.3 0.3 (0.1800)	1650.4 0.1 (3.7000)	1677.8 0.1 (0.4200)	2173.2 0.3 (0.2200)			
EU 149	73. 1. (0.0079)	178. 1. (0.0170)	208. 1. (0.0059)	(A)	EU 149 EC =====> SM 149 106. D (P,N),		
	251. 1. (0.0140)	254.5 C.2 (0.6200 6.9)	277.0 0.2 (3.3200 5.2)				
	281.1 0.5 (0.0190)	327.5 0.2 (3.9000 4.7)	350.0 C.3 (0.3400 8.8)				
	505.9 0.2	528.5 0.2 (0.5300 9.4)	535.9 0.3 (0.0460)	558.4 0.3 (0.0620)			
EU 152M	121.8 0.2 (8.0000)	271.0 0.2 (0.0800)	344.2 0.2 (2.5000)	(A)	EU 152M E- =====> EU 152 * 1.59E+03 9.3 H (N,G),		
	563. (0.3100)	700. (0.0600)	841.6 0.2 (13.0000)				
	963.5 0.2 (12.0000)	370. (0.5000)	1315.0 0.2 (1.2000)				
	1388.9 0.2 (1.1000)						
EU 152	121.775 0.005 (28.5000 4.7)	244.66 0.03 (7.6700 4.64)	295.97 0.07 (0.4480 7.67)	(A)	EU 152 EC =====> SM 152 2.31E+03 13.2 A (N,G),		
	344.31 0.03 (27.5000 3.65)	367.80 0.07 (0.8870 5.21)	411.13 0.05 (2.1700 5.00)				
	443.98 0.05 (3.2300 4.55)	488.70 0.09 (0.3700)	564.0 0.1 (0.6100 8.7)				
	586.1 0.1 (0.4100)	591.7 0.1 (0.5300 6.3)	678.5 0.1 (0.4100 9.8)	688.58 0.08 (0.7000)	756.64 0.05 (0.5900 5.5)		
	778.87 0.05 (13.4000 4.29)	867.33 0.05 (4.3000 4.38)	964.01 0.05 (15.0000 4.51)	1085.83 0.07 (10.8000)	1089.73 0.07 (1.9000)		
	1112.04 0.05 (14.1000 4.56)	1212.88 0.06 (1.4600 1.8)	1299.07 0.09 (1.6600 1.6)	1408.02 0.05 (22.2000 4.48)	1457.7 0.2 (0.5400)		
	1494.3 0.4 (0.0950)	1528.6 0.6 (0.3400 7.5)					
EU 154M	22.20 (0.1200)	27.51 (1.9000)	28.90 (2.4000)	(R)	EU 154M E- =====> GD 154 47. H (N,G),		
	31.80 (14.0000)	35.80 (39.0000)	68.20 (100.0000)				
	100.74 (69.0000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
EU 154	123.065 0.005 (39.4000 7.6)	247.50 0.02 (6.7700 7.5)	444.34 0.07 (0.5660 9.4)	(A)	EU 154 E- ====> GD 154 16.01A (N,G),		
	591.71 0.04 (5.1700 7.3)	692.42 0.06 (1.8200 7.7)	723.27 0.04 (21.2000 7.4)				
	756.82 0.05 (4.6100 7.3)	873.21 0.05 (12.4000 7.4)	996.30 0.05 (10.7000 7.5)				
	1004.78 0.05 (18.7000 7.4)	1274.42 0.05 (35.4000 7.0)	1494.08 0.07 (0.6720 8.7)	1596.45 0.07 (1.7500 7.6)			
EU 155	17.78 0.04 (0.0527)	26.51 0.02 (0.3100 4.6)	31.6 0.1 (0.0093)	(A) SM 155 ==>	EU 155 E- ====> GD 155 1.81A (N,F),		3.10E-2
	45.297 0.001 (1.1800 9.1)	57.97 0.03 (0.0638)	60.009 0.002 (1.2400 4.4)				
	86.541 0.005 (0.1740)	105.305 0.002 (21.1000 2.8)	146.06 0.02 (0.0576)				
EU 156	88.95 (8.4000)	199.19 (0.7000)	599.6 (1.5000)	(A) SM 156 ==>	EU 156 E- ====> GD 156 15.17D (N,G),		
	646.2 (6.5000)	709.9 (*****)	723.3 (5.9000)				
	811.6 (9.8000)	858.3 (*****)	860.0 (*****)				
	867.8 (1.5000)	960.3 (2.1000)	985.8 (*****)	1011.6 (*****)	1018.3 (*****)		
	1040.3 (*****)	1049.3 (*****)	1064.9 (6.1000)	1079.0 (*****)	1153.3 (5.7000)		
	1153.9 (5.6000)	1168.0 (*****)	1230.4 (9.2000)	1242.1 (6.1000)	1277.2 (*****)		
	1366.1 (1.5000)	1876.5 (2.2000)	1937.2 (2.3000)	1965.4 (5.3000)	2026.1 (2.9000)		
	2097.2 (3.6000)	2184. (6.4000)					
EU 157	54.5 1. (2.5000)	64. 1. (18.6000)	77. 1. (0.3100)	(A)	EU 157 E- ====> GD 157 15.15H (N,F),		6.60E-3
	131.5 1. (0.2200)	160. (0.1200)	210. 3. (0.3000)				
	275. (0.1200)	320. 1. (3.0000)	336. 1. (1.0000)				
	361. 2. (0.5000)	373. 1. (13.0000)	382. 2. (0.3500)	401. 1. (1.6000)	413. 1. (23.0000)		
	423. 1. (0.8100)	437. 2. (0.3800)	453. 1. (1.2000)	463. 1. (0.9000)	477. 1. (2.6000)		
	493. 2. (0.2600)	526. 2. (0.2200)	571. 1. (2.0800)	593. 2. (0.1200)	619. 1. (5.4000)		
	683. 2. (0.5800)	687. 1. (1.5000)	701. 1. (0.3700)	752. 1. (0.5100)	765. 1. (0.5100)		
EU 158	80. 1. (11.0000)	182. 1. (3.0000)	527. 3. (2.0000)	(A)	EU 158 E- ====> GD 158 45.7 M (N,F),		2.60E-3
	608. 3. (6.0000)	740. (5.0000)	899. 2. (20.0000)				
	925. 3. (4.0000)	946. 2. (55.0000)	964. 3. (1.0000)				
	978. 2. (12.0000)	1006. 3. (5.0000)	1108. 3. (7.0000)	1140. 5. (*****)	1163. 5. (*****)		
	1188. 3. (16.0000)	1220. 5. (*****)	1233. 5. (*****)	1264. 5. (4.0000)	1350. 5. (7.0000)		
	1430. 5. (6.0000)	1940. (4.0000)	2160. (3.0000)	2750. (1.0000)			
EU 160	75.1 0.1 (24.0000 5.)	173.1 0.2 (100.0000)	412.0 0.2 (55.5000)	(R)	EU 160 E- ====> GD 160 50. S (N,P),		
	514.8 0.3 (60.0000)	737.0 0.5 (11.0000)	821.5 0.3 (49.0000)				
	924.7 0.3 (19.0000)	995. 0.5 (36.0000)	1148. 1. (6.0000)				
	1185. 1. (6.0000)	1234. 0.3 (12.0000)	1301. 0.4 (14.0000)	1385. 0.4 (19.0000)	1461.7 0.6 (9.0000)		
GD 146	114.7 0.7 (38.7000 5.6)	115.6 0.7 (39.6000 5.6)	154.7 0.7 (44.7000 2.5)	(A)	GD 146 EC ====> EU 146 * 48.3 D		
	230.3 0.7 (0.0447)	269.5 0.7 (0.0895)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS-Y. (U 235)
GD 147	106.52 0.02 (0.5100 9.3)	111.10 0.02 (0.6460)	126.0 0.1 (0.3400)	(R)	GD 147 EC =====> EU 147 * 35. H		
	164.6 0.1 (0.1090)	166.4 0.1 (0.5440)	209.2 0.1 (0.1090)		(D,N),		
	210.4 0.1 (0.1090)	216.4 (2.2500)	229.25 0.04 (100.0000 3.4)				
	240.63 0.04 (2.1600 3.4)	249.18 0.07 (0.5970 8.2)	261.0 0.2 (3.4700 8.9)	286.0 0.1 (0.6400 9.6)	287.4 0.1 (0.6400 9.6)		
	293.2 0.1 (0.6800)	309.99 0.07 (6.6300 3.6)	318.63 0.06 (3.4700 2.8)	346.4 0.1 (3.4000)	370.00 0.06 (27.1000 0.7)		
	396.02 0.06 (53.1000)	484.99 0.09 (5.1700 02.2)	512.7 0.5 (1.8400)	547.3 0.2 (0.9860)	549.4 0.3 (0.7820)		
	559.1 0.1 (10.8000 4.6)	560.3 0.1 (0.6800)	569.6 0.6 (0.2040)	570.5 0.6 (0.2040)	573.5 0.5 (0.2040)		
	595.5 0.6 (0.2040)	610.7 0.2 (2.7900 4.1)	619.1 0.2 (6.0100 6.1)	625.3 0.1 (7.8200 4.3)	632.8 0.3 (2.0400)		
	693.7 0.2 (0.6460)	701.8 0.4 (1.1600)	703.9 0.7 (1.1600)	704.8 0.7 (1.1600)	714.6 0.3 (0.5440)		
	755.2 0.2 (3.4000 7.1)	766.0 0.1 (18.2000 3.1)	776.5 0.2 (11.7000)	782.7 0.2 (3.2100 5.5)	787.4 0.2 (3.7700)		
	804.5 0.4 (0.5780)	820.6 0.4 (1.7000)	828.2 0.2 (0.7820)	840.2 0.3 (0.1360)	861.7 0.2 (2.5900)		
	893.6 0.2 (13.8000)	929.1 0.2 (33.1000 1.7)	954.7 0.7 (0.3740)	975. 1. (0.1500)	988.8 0.4 (0.4670)		
	995.4 0.2 (1.7000 2.8)	1006.6 0.2 (2.3300 2.1)	1040.6 0.4 (0.7210)	1046. 2. (0.2520)	1069.5 0.2 (12.3000 4.5)		
	1080. 1. (0.2040)	1122.9 0.3 (2.5000 6.4)	1130.9 0.2 (11.3000 4.3)	1148.4 0.7 (0.7620 8.0)	1159.9 0.2 (1.1500 8.0)		
	1196. 2. (0.0612)	1235.9 0.2 (1.8600 3.5)	1269.9 1.2 (0.0544)	1325.1 0.2 (1.6000 5.9)	1336.5 0.2 (0.6120)		
	1407. 1. (0.0340)	1467.0 0.8 (0.0544)	1475. 1. (0.1290)	1565.7 0.2 (0.4740 8.2)	1587.2 0.6 (0.9820 8.9)		
	1630. 2. (0.0272)	1641. 2. (0.0272)	1677. 1. (0.1320)	1722. 2. (0.0136)	1733. 2. (0.0136)		
	1756. 2. (0.0408)	1766. 2. (0.0408)	1775. 2. (0.0340)	1784. 2. (0.0680)	1795.7 0.4 (1.3600 1.9)		
	1816.7 0.4 (0.2370)	1826. 2. (0.0272)	1845. 2. (0.0544)	1901. 2. (0.0238)	1908. 2. (0.0612)		
	1913. 2. (0.0476)	1937. 3. (0.0136)	1951. 2. (0.1130)	1957. 3. (0.0170)	1963. 3. (0.0272)		
	1982. 2. (0.0272)	1987. 2. (0.1130)					
GD 149	149.6 0.2 (48.0000)	214.5 0.6 (0.1700)	252.3 0.7 (0.2200)	(A)	GD 149 EC =====> EU 149 * 9.4 D		
	260.5 0.3 (1.2000)	272.0 0.2 (3.0000)	298.5 0.2 (26.0000)				
	346.5 0.3 (21.0000)	405.5 0.7 (0.7600)	430.0 1.0 (6.8000)				
	459.9 0.3 (0.4900)	478.7 0.3 (0.2000)	496.4 0.3 (1.5000)	516.4 0.3 (2.3000)	534.2 0.3 (2.7000)		
	645.2 0.3 (1.2000)	663.3 0.7 (0.2300)	666.2 0.7 (0.8000)	748.2 0.3 (7.1000)	788.6 0.3 (6.1000)		
	812.4 0.5 (0.1100)	863. 1. (0.0660)	875.8 0.4 (0.1900)	933.3 0.5 (0.4500)	939.1 0.4 (1.9000)		
	947.7 0.5 (0.7600)						
GD 151	21.54 0.02 (46.2000 4.1)	106.51 0.06 (1.2900 4.6)	110.5 0.1 (0.1200 8.3)	(R)	GD 151 EC =====> EU 151 120. D		
	153.57 0.06 (100.0000)	174.65 0.06 (48.3000 3.1)	196.46 0.09 (0.4800 4.2)		(P,N),(D,2N),		
	222.2 0.5 (0.0640)	239.0 0.1 (2.3100 4.8)	243.22 0.06 (89.9000 3.0)				
	260.39 0.09 (0.8400 3.6)	285.0 0.2 (0.1000)	286.00 0.09 (1.3500 2.9)	306.5 0.2 (0.8600)	307.43 0.09 (16.5000 3.0)		
	328.23 0.09 (1.3200 3.8)	332.1 0.1 (0.1700)	353.51 0.09 (2.0400 2.9)	394.8 0.3 (0.0130)	416.3 0.3 (0.0095)		
GD 153	69.6 0.2 (2.5000)	84. (0.2300)	97.432 0.003 (31.7000)	(A)	GD 153 EC =====> EU 153 242. D		
	103.18 0.02 (23.0000)	173. (0.1900)			(N,G),(D,2N),		

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
GD 159	58.00 0.01 (2.0000)	79.45 0.2 (0.0400)	137.7 0.3 (0.0047)	(A) EU 159 ==>	GD 159 E- =====> 18.56H (N,G),	TB 159 9.01E-01	1.05E-3
	210.8 0.3 (0.0100)	225.00 0.04 (0.1700)	236.9 0.4 (0.0062)				
	274.2 0.6 (0.0073)	290.2 0.3 (0.0320)	305.3 0.2 (0.0740)				
	348.1 0.2 (0.2200)	363.56 0.03 (9.3000)	536.7 0.4 (0.0020)	559.9 0.3 (0.0190)	581.1 0.3 (0.0560)		
	616.3 (0.0010)	617.7 0.3 (0.0160)	854.5 0.4 (0.0016)				
GD 161	56.2 (5.1000)	77.2 (1.9000)	85.5 (0.1900)	(A)	GD 161 E- =====> 3.7 H (N,G), (N,F),	TB 161 * 1.74E-01	8.20E-5
	102.2 0.2 (15.0000)	105.5 (0.6200)	134.0 (0.1600)				
	164.9 0.2 (2.2000)	181.1 (0.5000)	191.5 (0.5600)				
	253.5 (0.8100)	271.0 (0.8100)	283.3 0.2 (5.7000)	314.6 0.2 (23.0000)	338.1 (1.9000)		
	360.4 0.2 (62.0000)	354.4 (0.1900)	424.0 (0.1200)	480.1 0.2 (2.4000)	529.5 0.2 (1.2000)		
TB 147	119.7 0.5 (6.7000)	139.8 0.5 (33.7000)	184. 1. (0.4500)	(A)	TB 147 EC =====> 24. H GD 147 *		
	259.5 0.5 (2.5000)	347.4 0.5 (2.6000)	407.4 0.5 (1.6000)				
	511.006 0.002 (10.1000)	547.2 0.5 (1.8000)	554.9 0.5 (3.8000)				
	694.5 0.5 (30.6000)	936.0 0.5 (1.7000)	1153.0 0.5 (75.0000)	1293.0 0.5 (2.7000)	1629. 1. (2.4000)		
	1660. 1. (2.7000)	1949. 1. (1.5000)	2564. 1. (1.7000)	2684. 1. (3.4000)			
TB 148	142.0 0.3 (0.6800)	489.1 0.3 (29.5000 5.8)	511.0 0.1 (44.0000 3.7)	(R)	TB 148 EC =====> 70. H GD 148 *		
	631.1 0.3 (13.3000 3.8)	783.4 0.2 (100.0000)	807.2 0.4 (0.4600)				
	839.8 0.4 (0.4900)	957.9 0.2 (0.9000)	997.2 0.6 (0.5200)				
	1006.2 0.3 (1.1800)	1048.3 0.3 (0.6000)	1077.1 0.2 (13.8000 5.8)	1087.3 0.4 (2.0000)	1105.0 0.7 (0.9000)		
	1165.6 0.3 (0.3500)	1212. 1. (0.2000)	1227.3 0.4 (1.0700 6.5)	1340.7 0.7 (0.5800)	1401.4 0.2 (2.5000)		
	1422.7 0.6 (0.2700)	1446.6 0.3 (0.8600)	1466.0 0.3 (0.2800)	1472. 1. (0.3800)	1522.6 0.4 (0.6600)		
	1589.1 0.8 (0.3000)	1595.9 0.2 (1.2500)	1637.2 0.5 (1.2900)	1675.2 0.4 (0.2800)	1717.2 0.4 (1.8500)		
	1736. 1. (0.1600)	1758.6 0.3 (0.7500)	1813.5 0.5 (0.4900)	1826.7 0.3 (1.5100)	1846.1 0.6 (0.8100)		
	1860.1 0.2 (6.5200 3.7)	1909.8 0.8 (0.4100)	2099.1 0.5 (1.0000)	2126.5 0.4 (1.1000)	2131.1 0.4 (0.6200 8.1)		
	2150.2 0.4 (0.3600)	2164.5 0.5 (0.2900)	2184.6 0.2 (1.4300)	2241.1 0.9 (0.5100)	2247. 1. (0.4200)		
	2283.4 0.5 (0.4200)	2305.6 0.5 (0.9700)	2327.5 0.7 (0.4300)	2338.1 0.9 (0.3600)	2356.0 0.9 (0.3000)		
	2360.6 0.6 (0.3600)	2496.7 0.8 (0.4100)	2611. 2. (0.2500)	2628. 2. (0.2000)	2659.7 0.6 (0.3800)		
	2693.5 0.6 (0.4300)	3123. 2. (0.7700)	3579.1 0.5 (0.6000)	3729.7 0.6 (0.3100)	3829.8 0.6 (0.6100)		
TB 150M	95.5 0.2 (0.5000)	154.1 0.2 (1.0000)	162.0 0.2 (7.3000)	(R)	TB 150M E- =====> 5.8 H GD 150		
	179.4 0.6 (1.4000)	180.9 0.6 (1.4000)	275. 1. (1.9000)				
	343.1 0.1 (25.0000 8.0)	412.4 0.2 (9.8000 6.1)	415.3 0.2 (4.0000)				
	438.4 0.1 (42.0000)	455.7 0.2 (12.0000)	496.3 0.1 (23.5000)	566.5 0.1 (22.0000 9.1)	638. (100.0000)		
	648.4 0.3 (18.0000)	650.4 0.3 (70.0000 4.3)	789.9 0.4 (2.3000)	827.5 0.1 (41.0000 7.3)			

NUCLIDE	ENERGY (KEV)		INTENSITY		ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
TB 152	195.2 0.2	271.1 0.1	315.2 0.2	(R)	TB 152	EC =====> 17.5 H	GD 152	
	(0.6300)	(14.0000 6.4)	(1.3000 6.8)					
	315.7 0.2	344.3 0.1	367.8 0.2					
	(0.3600)	(100.0000)	(0.5500)					
	387.8 0.2	411.1 0.1	494.0 0.3					
	(0.6400 9.4)	(6.3000 6.4)	(0.2100 9.5)					
	496.4 0.3	511.006 0.002	526.9 0.2	543.7 0.2	586.3 0.1			
	(0.2100 9.5)	(20.0000 0.8)	(0.4000 7.5)	(0.3000)	(15.0000 6.2)			
	622.8 0.2	675.1 0.2	678.6 0.2	703.3 0.2	738.7 0.2			
	(1.4000 6.9)	(0.8500 7.1)	(0.3200 9.4)	(3.8000 6.8)	(0.3400 8.8)			
	764.9 0.1	778.9 0.1	794.7 0.2	812.8 0.2	893.3 0.2			
	(4.5000 7.1)	(8.9000 6.6)	(0.2800)	(0.3600 8.3)	(1.0000 7.8)			
	902.4 0.2	928.7 0.2	930.7 0.2	937.0 0.2	970.4 0.2			
	(0.2300 8.7)	(0.7000)	(2.8000 7.5)	(0.2900)	(1.4000 9.8)			
	974.1 0.2	990.3 0.2	1010.7 0.2	1086.3 0.3	1089.9 0.2			
	(4.8000 6.6)	(1.2000 7.5)	(0.6500 7.7)	(0.3800)	(1.5000 7.1)			
	1106.7 0.2	1109.2 0.2	1137.6 0.2	1160.0 0.2	1185.6 0.5			
	(0.6500)	(4.1000 7.1)	(1.3000 7.0)	(0.3800)	(0.3700)			
	1190.5 0.2	1209.1 0.3	1261.4 0.2	1299.1 0.1	1314.7 0.2			
	(0.6900 8.7)	(0.4500)	(1.7000 6.0)	(3.3000 9.7)	(2.2000 9.1)			
	1316.1 0.3	1318.2 0.3	1325.8 0.2	1336.6 0.2	1348.1 0.2			
	(0.2900)	(0.6000)	(1.4000 7.1)	(0.2100)	(1.5000 6.2)			
	1369.2 0.4	1400.6 0.3	1446.5 0.3	1517.8 0.2	1570.8 0.4			
	(0.2100)	(0.2500)	(0.4100 9.8)	(1.1000 7.3)	(0.2400)			
	1586.2 0.2	1586.9 0.4	1598.9 0.4	1605.8 0.2	1631.5 0.2			
	(1.5000 6.7)	(0.6000)	(0.6500)	(0.5500 9.1)	(0.3900)			
	1667.4 0.2	1757.4 0.2	1771.4 0.2	1789.1 0.2	1797.8 0.3			
	(1.2000 6.9)	(1.1000 7.2)	(0.4600 8.7)	(0.8800 8.0)	(0.3000)			
	1825.2 0.5	1857.3 0.4	1861.9 0.2	1902.4 0.2	1920.9 0.2			
	(0.2200)	(0.2700)	(0.7600 7.9)	(2.9000 6.8)	(0.6600)			
	1941.1 0.2	1955.3 0.2	2033.8 0.3	2093.3 0.3	2150.9 0.3			
	(1.1000 7.2)	(0.5400 9.3)	(0.2100)	(0.3200 9.4)	(0.3500)			
	2185.0 0.3	2342.8 0.4	2365.3 0.3	2375.3 0.3	2384.7 0.5			
	(0.3300)	(0.2200)	(0.6700 6.0)	(1.4000 6.6)	(0.2800)			
	2405.0 0.3	2536.3 0.4	2570.0 0.4	2588.3 0.4	2619.7 0.4			
	(2.3000 6.1)	(0.4900)	(0.3400 8.8)	(0.6400 9.4)	(0.4700 8.5)			
	2663.0 0.4	2667.9 0.4	2697.9 0.4	2709.4 0.3	2719.8 0.3			
	(0.3500 8.6)	(0.2400)	(0.4100 9.8)	(0.3800 7.9)	(0.6000 8.3)			
	2754.7 0.4	2961.2 0.8	2966.0 0.1	2971.0 0.15	2980.0 0.1			
	(0.2000)	(0.0400)	(0.0200)	(0.0130)	(0.0600)			
TB 155	60.04 0.09	86.60 0.07	99.0 0.2	(R)	TB 155	EC =====> 5.32D	GD 155	
	(5.0000)	(100.0000)	(*****)					
	101.1 0.2	105.36 0.07	120.5 0.2					
	(*****)	(72.5000)	(*****)					
	148.6 0.1	162.3	175.2 0.2					
	(7.2000)	(23.5000)	(*****)					
	180.1 0.1	181.6 0.2	203.0 0.2	208.2 0.2	216.1 0.2			
	(22.0000)	(*****)	(*****)	(0.7200)	(*****)			
	220.7 0.1	226.9 0.2	239.5 0.2	263.2 0.1	268.6 0.1			
	(2.0300)	(0.3600)	(0.5600)	(14.2000)	(2.1000)			
TB 156	281.0 0.2	286.9 0.2	321.8 0.2	340.7 0.2	367.3 0.2			
	(0.8700)	(0.8700)	(0.4800)	(3.1900)	(*****)			
	370.7 0.2	402.1 0.3	422.4 0.2	559.1 0.3				
	(*****)	(*****)	(*****)	(*****)				
	88.93	111.92	155.2	(R)	TB 156	EC =====> 5.1 D	GD 156	
	(29.0000)	(2.2000)	(2.7000)					
	199.2	262.5	296.46		(A,N), (P,N),			
	(61.0000)	(8.9000)	(6.5000)					
	356.39	381.4	422.4					
	(19.0000)	(0.9800)	(12.0000)					
	534.1 0.3	579.3 0.3	686. 1.	690. 1.	747. 1.			
	(100.0000)	(0.8400)	(0.6000)	(0.3700)	(0.2800)			
	780.4 1.	805. 1.	841. 1.	855. 1.	866. 1.			
	(3.5000)	(0.4200)	(0.4700)	(0.5100)	(0.5600)			
	926.4 0.5	949.5 1.	960.2 0.3	1039.5 1.	1065. 1.			
	(6.3000)	(2.3000)	(2.6000)	(1.6000)	(21.0000)			
	1067.0 1.	1129. 1.	1154.0 0.5	1159.4 0.5	1188. 1.			
	(21.0000)	(0.2800)	(16.0000)	(12.0000)	(0.7000)			
	1222.1 0.5	1228. 2.	1240. 1.	1265. 1.	1333. 1.			
	(46.0000)	(1.2000)	(0.3700)	(1.8000)	(3.6000)			
	1420.0 0.5	1644.5 0.5	1814. 1.	1844.0 0.5	1885. 1.			
	(18.0000)	(5.6000)	(0.7400)	(6.2000)	(0.1900)			
	1889. 1.	1942.2 2.	2012.3 0.5	2047.3	2089. 1.			
	(0.0930)	(0.0470)	(1.6000)	(0.0230)	(0.1000)			

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
TB 160	86.786 0.001 (12.7000 4.5)	93.917 0.006 (0.0540 7.4)	176.4 0.6 (*****)	(A)	TB 160 E- =====> DY 160 72.1 D	2.25E+01	
	197.04 0.02 (5.3100 4.1)	215.641 0.004 (4.0500 4.3)	230.60 0.04 (0.0820 7.3)		(N,G),		
	237.8 0.3 (0.0120)	243.0 0.2 (0.0216 3.5)	246.41 0.06 (0.0260)				
	298.572 0.004 (27.3000 5.1)	309.57 0.03 (0.9180 5.1)	337.31 0.04 (0.3550 5.9)	349.7 0.3 (0.0180)	375.3 0.2 (0.0170)		
	392.49 0.03 (1.4000 5.0)	432.7 0.1 (0.0240)	486. 1. (0.0880 5.6)	602.33 0.05 (309.0000 1.0)	765.30 0.05 (2.1600 5.1)		
	872.03 0.06 (0.2070 6.8)	879.36 0.02 (30.0000 5.0)	962.30 0.02 (9.2900 4.4)	966.15 0.02 (23.8000 5.5)	1002.89 0.06 (0.9800 5.7)		
	1069.07 0.06 (0.1040 9.6)	1102.59 0.05 (0.5570 5.0)	1115.12 0.04 (1.4800 5.4)	1177.93 0.02 (15.0000 5.3)	1199.89 0.04 (2.4500 5.7)		
	1251.27 0.05 (0.1040 7.7)	1271.86 0.02 (7.3300 4.3)	1285.6 0.1 (0.0150)	1299.3 0.3 (0.0059)	1312.12 0.06 (2.5900)		
	4228.1 0.5 (30.0000 8.0)						
TB 161	25.66 (73.0000)	28.72 (0.5000)	43.84 (0.3000)	(A)	TB 161 E- =====> DY 161 6.90D	8.20E-5	
	48.92 (75.0000)	57.20 (20.0000)	59.23 (0.0440)		(N,F), (N,G),		
	74.6 0.1 (16.5000)	77.42 (0.3600)	87.93 (0.3200)				
	103.1 0.1 (0.1700)	106.15 (0.2000)	131.8 0.1 (0.0012)	138.3 0.1 (0.0019)	238.4 0.1 (0.0041)		
	286.4 0.1 (0.0210)	292.3 0.1 (0.0920)	315.1 0.2 (0.0007)	319.6 0.1 (0.0046)	341.2 0.1 (0.0058)		
	343.5 0.1 (0.0230)	348.2 0.2 (0.0007)	376.6 0.2 (0.0009)	392.4 0.1 (0.0028)	418.5 0.1 (0.0120)		
	425.8 0.2 (0.0005)	475.8 0.1 (0.0270)	506.7 0.2 (0.0013)	550.5 0.1 (0.0560)			
TB 162	45. 5. (*****)	81.0 0.6 (5.5000)	184.6 0.4 (3.0000)	(A)	TB 162 E- =====> DY 162 7.8 H		
	259.5 0.5 (84.0000)	696.9 2.0 (3.0000)	805.7 1.0 (45.0000)		(N,P),		
	882.4 0.1 (13.0000)	888.2 0.2 (37.0000)					
TB 163	73.5 1. (14.7000)	94.1 1. (*****)	167. 1. (0.7000)	(A)	TB 163 E- =====> DY 163 19.5 H		
	177. 1. (0.6000)	251. 1. (6.2000)	260. 1. (0.5000)		(N,P),		
	286. 1. (0.7000)	307. 1. (0.5000)	316. 1. (10.3000)				
	338. 1. (4.0000)	351. 2. (13.0000)	376. 2. (0.5000)	390. 1. (30.5000)	402. 1. (2.2000)		
	415. 1. (4.7000)	422. 1. (11.0000)	428. 1. (2.2000)	435. 1. (1.2000)	460. 2. (1.4000)		
	462. 2. (1.6000)	475.4 (2.9000)	479.7 (0.3400)	486.7 (1.1000)	494.5 (23.0000)		
	507.5 (4.6000)	515. (0.7500)	527.4 (0.2700)	533.0 (0.9500)	545.3 (1.7000)		
	553.0 (0.0900)	559.5 (2.0000)	573.5 (0.1600)	583.9 (7.0000)	608.3 (3.7000)		
	630.1 (1.1000)	633.4 (0.2900)	637. (0.2000)	649.6 (0.1100)	656.5 (0.0560)		
	662.5 (0.2000)	664. (0.1600)	665. (0.2300)	668.9 (0.6100)	684.3 (0.2900)		
	694.5 (0.0560)	698.5 (0.0900)	707.5 (0.3200)	733.0 (0.2500)	808. (0.1800)		
	833.4 (1.0000)	896.4 (0.1400)					
DY 153	80.8 (9.6000 8.3)	82.5 (9.6000 8.3)	100.0 (8.5000 9.4)	(A)	DY 153 EC =====> TB 153 * 6.29H		
	148. (3.7000 8.1)	245. (2.9000)	255. (6.4000 9.4)				
	274. (5.5000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
DY 155	65.47 0.03 (2.6700 1.3)	71.14 0.03 (0.0680)	90.32 0.05 (15.7000 .0)	(A)	DY 155 EC =====> TB 155 * 9.6 H (A,N),		
	115.28 0.06 (0.2040)	118.33 0.06 (0.2720 0.2)	135.29 0.07 (0.1020)				
	155.8 0.2 (0.1700 0.2)	161.43 0.08 (1.1400 1.0)	181.0 0.3 (0.2040)				
	184.53 0.09 (3.7500 0.3)	205.52 0.09 (0.3270 0.5)	226.94 0.09 (68.0000 0.2)	267.3 0.1 (0.1700)	271.3 0.1 (1.3100 0.2)		
	296.1 0.3 (0.1360 2.5)	317.1 0.3 (0.1540)	383.0 0.3 (0.1900 0.9)	391.7 0.2 (0.0680)	403.2 0.3 (0.1290 1.2)		
	433.0 0.2 (0.6700)	451.7 0.2 (0.2840 3.5)	458.9 0.2 (0.3260 0.6)	484.1 0.2 (1.3600 0.7)	498.7 0.3 (2.5200 0.9)		
	508.3 0.1 (1.6300 2.7)	511.006 0.002 (5.0000 1.8)	549.6 0.1 (1.3100 .8)	559.3 0.1 (0.0842)	570.7 0.1 (0.1840)		
	586.5 0.1 (0.3880 0.5)	595.0 0.1 (0.1020)	640.9 0.1 (1.3100 0.5)	654.0 0.1 (0.3540 0.6)	664.0 0.1 (3.1800 0.5)		
	678.2 0.1 (0.3400 0.4)	683.9 0.2 (0.1560)	695.0 0.1 (0.5300 0.6)	703.0 0.1 (0.0680)	720.6 0.1 (0.3740 0.3)		
	726.0 0.1 (0.3740 0.6)	745.0 0.1 (0.5470 4.0)	760.8 0.2 (0.1090)	812.5 0.1 (0.5820 3.2)	829.3 0.1 (0.3130 0.7)		
	835.1 0.1 (0.4080 0.3)	841.2 0.1 (0.5850 0.5)	848.7 0.1 (0.3540 0.4)	860.0 0.1 (0.1020)	891.0 0.3 (0.8020 1.4)		
	905.1 0.1 (3.4000 4.9)	928.1 0.1 (0.9720 1.3)	939.0 0.1 (0.6500 3.5)	981.0 0.1 (0.3470 0.3)	999.2 0.1 (3.7600 1.0)		
	1011.0 0.1 (0.1500)	1025.0 0.1 (0.0752)	1062.0 0.1 (0.5100 1.1)	1068.0 0.1 (0.8560 1.0)	1088.9 0.1 (4.1500 0.9)		
	1100.0 0.2 (0.0824)	1115.0 0.1 (0.6180 2.0)	1156.6 0.2 (2.9300)	1166.8 0.1 (1.5700)	1203.0 0.1 (0.1020)		
	1215.0 0.1 (0.0680)	1225.0 0.1 (0.0680)	1244.0 0.2 (0.0877)	1253.7 0.4 (1.3600)	1285.0 0.1 (0.1020)		
	1296.0 0.1 (0.2650 1.4)	1305.0 0.1 (0.2110 1.0)	1313.0 0.1 (0.0476)	1317.2 0.1 (0.2580 1.6)	1332.0 0.1 (0.0884)		
	1338.0 0.2 (0.6930)	1348.0 0.1 (0.0884 0.8)	1368.0 0.1 (1.1600 2.0)	1371.0 0.1 (0.4010)	1378.0 0.1 (0.1020)		
	1387.9 0.1 (0.2310 2.8)	1393.6 0.6 (0.3870)	1415.0 0.1 (0.3810 0.9)	1429.0 0.2 (0.5640)	1440.0 0.2 (0.4150 1.0)		
	1450.1 0.2 (0.2170 1.5)	1481.3 0.3 (0.9450)	1494.3 0.2 (1.1000 0.4)	1509.1 0.6 (0.3710)	1566.0 0.1 (0.1360)		
	1575.0 0.2 (0.1900 0.5)	1579.0 0.1 (0.0544)	1596.0 0.2 (0.0884)	1599.0 0.1 (0.4760 0.6)	1638.0 0.1 (0.1360 0.2)		
	1656.0 0.1 (0.1360)	1665.0 0.1 (1.6100 1.1)	1685.0 0.1 (0.1900 0.7)	1792.0 0.1 (0.0631)			
DY 159	58.2 0.2 (4.0000)	80. (0.0001)	290. (0.0001)	(A)	DY 159 EC =====> TB 159 8.67E-04 144. D (N,G),(D,2N), (P,N),		
	348. (0.0009)						
DY 165M	57.8 0.2 (0.0092)	67.9 0.5 (0.0136)	87.7 0.2 (0.0126)	(A)	DY 165M IT =====> DY 165 * 6.21E+02 1.26H (N,G),		
	95.96 0.05 (0.0443)	108.159 0.003 (3.4100 9.0)	119.5 0.2 (0.0031)				
	153.800 0.009 (0.2750 9.0)	251.7 0.5 (0.0204)	361.671 0.006 (0.6060 9.0)				
	515.471 0.006 (1.7300 9.0)	676. 1. (0.0005)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.V. (U 239)
DY 165	29.7 0.3 (0.0049)	57.87 0.02 (0.0162)	67.7 0.3 (0.0167)	(A)	DY 165 E- =====> HO 165 139. H (N,G),	1.41E+02	
	71.50 0.05 (0.0027)	87.58 0.02 (0.0167)	89.8 0.1 (0.0033)				
	94.695 0.004 (4.1500 5.4)	95.93 0.05 (0.0011)	98.8 0.2 (0.0010)				
	109.6 0.5 (0.0007)	115.09 0.01 (0.0094 7.3)	119.489 0.005 (0.0084 7.3)	129.4 0.2 (0.0006)	140.6 0.2 (0.0025)		
	153.80 0.05 (0.0067 8.2)	170.26 0.07 (0.0035)	175.0 0.2 (0.0013)	209.8 0.3 (0.0012)	228.1 0.3 (0.0005)		
	259.53 0.01 (0.0171 6.3)	267.0 0.2 (0.0013)	279.76 0.01 (0.5830 5.4)	361.67 0.02 (0.9830 5.4)	405.33 0.05 (0.0125 5.4)		
	456.08 0.02 (0.0498 5.4)	472.1 0.2 (0.0017)	479.60 0.04 (0.0515 5.4)	489.8 0.1 (0.0040)	504.1 0.2 (0.0013)		
	512.8 0.3 (0.0037)	515.47 0.03 (0.0444 5.4)	540.62 0.05 (0.0066)	545.84 0.02 (0.1900 3.6)	565.71 0.02 (0.1550 3.6)		
	575.55 0.02 (0.0921 3.6)	588.58 0.05 (0.0038)	610.30 0.05 (0.0062)	620.63 0.02 (0.1140 4.5)	633.42 0.02 (0.6650 2.8)		
	660.08 0.03 (0.0312 5.4)	664.09 0.04 (0.0136 5.4)	715.33 0.02 (0.6250 2.8)	725.41 0.03 (0.0164)	820.11 0.03 (0.0094 7.3)		
	900.39 0.05 (0.0029)	976.8 0.2 (0.0003)	984.92 0.04 (0.0066 7.3)	995.09 0.03 (0.0645 3.6)	1045.7 0.2 (0.0006)		
	1055.76 0.03 (0.0356 5.4)	1079.62 0.03 (0.1070 3.6)	1091.89 0.08 (0.0012)	1140.35 0.05 (0.0016 7.3)	1186.6 0.1 (0.0005)		
HO 157	86.5 0.2 (26.0000)	109.8 0.2 (1.4000)	121.0 0.2 (0.3300)	(A)	HO 157 E+ =====> DY 157 * 14. H		
	126.9 0.2 (0.6100)	147.7 0.2 (3.3000)	150.0 0.2 (0.8200)				
	153.1 0.2 (3.1000)	162.4 0.2 (2.1000)	163.8 0.2 (0.5500)				
	173.3 0.2 (0.6500)	188.1 0.2 (4.2000)	193.4 0.2 (9.6000)	196.5 0.2 (0.7400)	208.8 0.2 (1.3000)		
	224.2 0.2 (0.1400)	227.3 0.2 (0.2700)	234.6 0.2 (0.9600)	253.2 0.2 (0.1600)	258.1 0.2 (1.2000)		
	269.4 0.2 (0.1800)	272.2 0.2 (4.7000)	280. 0.2 (10.5000)	297.0 0.2 (0.7600)	320.2 0.2 (2.2000)		
	341.1 0.2 (17.0000)	347.0 0.2 (0.0600)	353.6 0.2 (0.2000)	359.0 0.2 (0.5300)	360.6 0.2 (0.5300)		
	365.1 0.2 (0.0400)	367.2 0.2 (0.2500)	379.2 0.2 (0.2000)	388.4 0.2 (0.4500)	394.2 0.2 (0.0600)		
	400.1 0.2 (0.1600)	405.8 0.2 (0.0800)	416.7 0.2 (0.0400)	420.1 0.2 (0.2900)	428.4 0.2 (0.1200)		
	430.4 0.2 (0.1200)	449.4 0.2 (0.1800)	463.3 0.2 (0.2900)	466.0 0.2 (0.1600)	468.0 0.2 (0.1600)		
	476.6 0.2 (0.5700)	508.3 0.2 (2.9000)	511.006 0.002 (*****)	522.8 0.2 (0.1000)	527.4 0.6 (0.0400)		
	540.5 0.6 (0.1200)	550.0 0.6 (0.1600)	555.6 0.6 (2.8000)	567.8 0.6 (0.1400)	570.2 0.6 (0.5500)		
	582.2 0.6 (0.0800)	597.5 0.6 (0.2000)	610.2 0.6 (0.1000)	649.1 0.6 (0.3300)	661.9 0.6 (0.2500)		
	685.5 0.6 (0.8600)	688.1 0.6 (0.3500)	703.0 0.6 (0.1800)	708.6 0.6 (1.3000)	748.9 0.6 (0.1800)		
	779.1 0.6 (0.4500)	791.2 0.6 (0.2500)	828.1 0.6 (0.6300)	835.4 0.6 (1.1000)	842.4 0.6 (0.1800)		
	870.0 0.6 (0.9400)	896.6 0.6 (4.1000)	929.0 0.6 (0.6100)	936.4 0.6 (0.1600)	946.2 0.6 (0.1800)		
	954.9 0.6 (0.0800)	963.0 0.6 (0.1200)	969.1 0.6 (0.0800)	1038.7 0.6 (0.1000)	1044.0 0.6 (0.0200)		
	1053.9 0.6 (0.0800)	1063.4 0.6 (0.1000)	1072.9 0.6 (0.0400)	1082.3 0.6 (0.0800)	1090.4 0.6 (0.0600)		
	1169.7 0.6 (0.2000)	1172.3 0.6 (0.0600)	1191.9 0.6 (0.1200)	1202.1 0.6 (0.0600)	1211.1 0.6 (2.2000)		
	1232.3 0.6 (0.0600)	1239.7 0.6 (0.0600)	1274.7 0.6 (0.0800)	1298.3 0.6 (0.0800)	1303.0 0.6 (0.0800)		
	1318.8 0.6 (0.1800)	1332.5 0.6 (0.0400)	1349.6 0.6 (0.0800)	1358.9 0.6 (0.0600)	1380.3 0.6 (0.2200)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
HO 159	30.6 (2.5000)	31.4 (2.5000)	41.1 (1.4000)	(R)	HO 159 EC ===== DY 159 * 33. M		
	56.7 (6.8000)	72.5 (0.7400)	79.9 (3.3000)				
	85.7 (0.5000)	88.3 (0.2500)	99.5 (0.8600)				
	100.6 (11.0000)	103.1 (0.4400)	121.0 (100.0000)	132.0 (67.0000)	136.4 (1.4000)		
	152.4 (3.5000)	155.8 (6.4000)	159.4 (1.2000)	173.1 (6.8000)	177.6 (18.0000)		
	186.3 (9.8000)	195.6 (0.2500)	217.7 (9.9000)	252.9 (41.0000)	258.9 (3.9000)		
	265.5 0.5 (0.4700)	268.2 0.5 (0.2100)	296.1 (2.5000)	309.6 (42.0000)	338.7 (1.7000)		
	352.8 0.5 (0.2000)	395.4 (0.7800)	620.9 (0.7400)	667.9 (0.1200)	706.7 (2.7000)		
	766.3 (0.2800)	780.6 (0.1400)	807.4 (2.8000)	816.7 0.5 (0.0910)	838.7 (8.6000)		
	850.7 (0.7000)	866.0 0.5 (0.0740)	881.3 (0.9500)	891.8 0.5 (0.2000)	898.1 (0.0860)		
	912.7 (0.6900)	939.2 0.5 (0.1500)	992.0 0.5 (0.1500)	1016.3 (1.1000)	1018.9 (0.5400)		
	1024.3 (0.4600)	1035.2 (0.1300)	1062.6 0.5 (0.1400)	1075.7 (0.3100)	1145.2 0.5 (0.1300)		
	1153.3 0.5 (0.1400)	1193.1 (0.1400)	1201.9 (0.4200)	1461.0 (0.1400)			
HO 162H	80.7 0.2 (31.1000)	161.2 0.3 (0.3200)	185.0 0.1 (100.0000)	(R)	HO 162H IT ===== HO 162 68. M		
	188.7 0.5 (0.7800)	205.5 0.3 (0.1600)	220. 1. (0.1200)		(A,N),		
	236.0 0.4 (0.2300)	246.8 0.6 (0.2000)	251.0 0.6 (0.2000)				
	259.5 0.6 (0.1200)	275.6 0.2 (2.7500)	278.4 0.6 (0.8000)	282.9 0.1 (39.3000 3.8)	302.9 0.3 (1.3100)		
	322.1 0.5 (0.2900)	329.4 0.4 (0.1900)	334.0 0.3 (1.0900)	347.6 0.5 (0.1000)	392.8 0.2 (0.8900 7.9)		
	424.7 0.2 (1.6200 4.3)	467.9 0.2 (0.8300 8.4)	634.5 0.3 (0.3800)	776.3 0.3 (0.3300)	795.3 0.2 (0.9200 9.8)		
	807.6 0.4 (0.4100)	842.0 0.2 (1.5600)	882. 1. (1.2600)	888. 1. (0.3400)	917.2 0.3 (2.0300 9.9)		
	937.2 0.2 (37.3000 3.2)	944.4 0.7 (0.5500)	980.5 0.5 (0.9000)	1124.9 0.2 (4.0700 4.7)	1129.3 0.3 (1.3100 9.9)		
	1134.6 0.4 (0.4300)	1188.0 0.3 (1.1600 9.5)	1220.0 0.2 (78.4000 4.5)	1276. 1. (0.1100)	1319.6 0.2 (7.2600 4.8)		
	1372.8 0.2 (1.6300 6.8)	1453. 1. (0.0700)	1806. 1. (0.0900)				
HO 162	80. (7.8000)	185. (9.2000)	283. (3.0000)	(A)	HO 162 EC ===== DY 162 15. M		
	511.006 0.002 (9.0000)	930. (4.7000)	1220. (4.3000)				
HO 164H	37.7 0.3 (4.5000)	45.9 0.2 (100.0000)	56.1 0.3 (5.8000)	(R)	HO 164H IT ===== HO 164 * 39.0 M		
					(N,2N),		
HO 164	73.5 0.2 (74.0000)	91.4 0.2 (100.0000)		(R)	HO 164 E- ===== DY 164 23.9 M		
					(N,2N),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
HO 166H	80.6 0.2 (14.5000 3.3)	54.6 0.2 (0.1650)	112. 1. (0.7000)	(R)	HO 166H E- =====> 120.01E (N,G),	ER 166	3.45E+00
	121.6 0.2 (0.7710)	136. 1. (0.1000)	160.7 0.2 (0.3530)				
	184.5 0.2 (100.0000)	215.6 0.2 (3.9300 2.2)	231.2 0.3 (0.3590 8.3)				
	260.2 0.3 (1.7700 6.6)	280.3 0.3 (38.6000 1.2)	300.5 0.3 (4.7700 1.9)	340. 2. (0.2500)	345. 2. (0.2500)		
	365.8 0.3 (2.9300 2.0)	411.0 0.3 (15.5000 1.2)	451.6 0.2 (3.4800 2.0)	464.9 0.2 (2.0000 3.5)	477. 2. (0.4000)		
	530.0 0.3 (10.2000 3.0)	570.5 0.3 (6.7700 2.0)	594.9 0.2 (1.2700)	611.0 0.2 (1.4800)	644. 2. (0.2700)		
	670.5 0.2 (7.0100 3.4)	682. 1. (0.3000)	691.2 0.2 (1.8500 4.8)	711.7 0.2 (71.7000 1.0)	725.5 0.2 (0.1950)		
	736.7 0.2 (0.4590 8.4)	752.5 0.2 (16.1000 2.4)	779.3 0.4 (3.7300 1.8)	793.1 0.2 (0.1850)	810.8 0.3 (76.4000 1.1)		
	830.8 0.3 (12.1000 2.0)	875.9 0.2 (1.1400 6.1)	889.2 0.2 (0.5630)	896.5 0.1 (0.5630)	951.5 0.2 (3.5100 3.9)		
	976. 2. (0.1200)	995.4 0.4 (0.6580)	1005. 2. (0.2000)	1012. 2. (0.1000)	1086. 1. (0.3000)		
	1118.1 0.5 (0.3440)	1122. 2. (0.3750)	1147.2 0.2 (0.3800)	1160. 2. (0.1000)	1225. 2. (0.2000)		
	1241.8 0.3 (1.2200 4.0)	1275.0 0.3 (0.4430)	1283.1 0.2 (0.3840 9.2)	1333. 2. (0.2000)	1401.3 0.2 (0.6420)		
	1408. 2. (0.4650 9.7)	1427.5 0.2 (0.6560 4.2)	1493. 3. (0.1000)	1510. 2. (0.1000)	1522. 2. (0.2000)		
HO 166	80.6 0.2 (5.4000)	675.1 0.5 (0.0200)	706.0 0.7 (0.0150)	(A) DY 166	==> HO 166 E- =====> 26.7 H (N,G),	ER 166	6.22E+01
	786.1 0.7 (0.0080)	1378.4 0.7 (0.9000)	1580.5 0.2 (0.2000)				
	1663. 0.5 (0.1000)	1750.0 0.6 (0.0300)	1830.3 1.0 (0.0080)				
HO 167	73.8 0.2 (5.0000)	75.3 0.2 (14.0000)	83.5 0.2 (9.3000)	(A)	HO 167 E- =====> 3.1 H (N,P),	ER 167	
	106. 1. (0.3200)	131.7 0.3 (0.2600)	148.3 0.4 (0.2000)				
	207.8 0.2 (13.0000)	208.7 0.4 (0.2000)	237.9 0.2 (6.5000)				
	254.7 0.2 (0.2600)	303. 1. (0.0400)	315.0 0.5 (0.8000)	325.3 0.2 (2.7000 1)	332. 1. (0.2000)		
	346.5 0.2 (58.0000)	386.2 0.2 (3.7000)	398.6 0.3 (1.0000)	403.0 0.2 (3.5000)	430.0 0.5 (0.1300)		
	460.0 0.2 (2.2000)	463. 1. (0.5000)	480.0 0.5 (0.1500)	531.5 (0.0200)	668.0 0.5 (0.2300)		
	745.0 0.5 (0.1700)						
HO 170H	182. (67.0000)	672. (17.0000)	740. (37.0000)	(R)	HO 170H IT =====> 2.9 H (N,P),	HO 170 *	
	786. (47.0000)	853. (70.0000)	889. (57.0000)				
	932. (100.0000)	942. (33.0000)	1042. (30.0000)				
	1139. (57.0000)						
HO 170	79. (50.0000)	464. (*****)	543. (16.0000)	(R)	HO 170 E- =====> 42. S (N,P),	ER 170	
	685. (9.5000)	696. (26.0000)	911. (100.0000)				
	830. (11.5000)	878. (36.0000)	959. (29.5000)				
	1021. (30.5000)	1127. (21.0000)	1186. (42.5000)	1893. (54.5000)	1938. (12.5000)		
	1972. (43.5000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
ER 161	76.23 0.06 (2.9900)	87.53 0.03 (0.3940)	94.13 0.03 (1.2300)	(A)	ER 161 ^{EC} =====> HO 161 * 3.1 H		
	99.63 0.03 (0.7290)	130.85 0.03 (0.6050)	148.16 0.03 (0.3130)				
	150.5 0.6 (0.0338 5.2)	201.46 0.03 (1.0900 9.3)	211.15 0.03 (27.6000 9.3)				
	236.43 0.03 (0.4540 6.5)	252.68 0.03 (0.4330 6.5)	294.00 0.04 (0.4010 6.0)	303.52 0.04 (0.3010 7.8)	309.1 0.3 (0.0658 3.0)		
	314.76 0.04 (2.5300 5.8)	421.7 0.1 (0.3460 2.9)	446.88 0.09 (0.3900 4.1)	507.6 0.2 (0.3090)	528.1 0.2 (0.3720 3.3)		
	549.4 0.2 (0.3150 7.7)	554.2 0.4 (0.0861 3.2)	592.65 0.07 (3.3200 5.9)	625.7 0.4 (0.0867 4.3)	649.1 0.2 (0.7460 6.2)		
	662.5 0.2 (0.1270 3.3)	690.9 0.2 (0.3240 3.9)	719.1 0.3 (0.0953 2.5)	727.0 0.2 (0.7810 7.9)	737.1 0.2 (0.2260 7.9)		
	745.4 0.5 (0.0486 3.0)	747.7 0.8 (0.0480 2.8)	767.1 0.6 (0.0387 2.7)	784.1 0.4 (0.0535 2.7)	799.4 0.2 (0.1470 3.7)		
	804.4 0.2 (0.2650)	808.7 0.2 (0.1650)	812.1 0.2 (0.3300)	826.55 0.07 (61.5000 4.8)	842.1 0.4 (0.0615 3.3)		
	859.2 0.7 (0.0301 2.8)	864.9 0.2 (1.2200 6.3)	868.8 0.2 (0.3330 4.8)	875.8 0.2 (0.3290)	878.5 0.3 (0.2190 6.9)		
	880.8 0.6 (0.0295 3.6)	885.1 0.7 (0.0498 2.4)	895.68 0.09 (0.1710)	898.2 0.5 (0.0812 3.1)	904.4 0.9 (0.0264 2.5)		
	913.3 0.9 (0.0203 3.0)	931.70 0.09 (0.1230)	935.6 0.6 (0.0806 4.0)	937.7 0.6 (0.0689 3.9)	941.0 0.2 (0.1330 2.5)		
	948.5 0.6 (0.2490 2.7)	951.3 0.6 (0.0258 2.5)	954.7 0.6 (0.0283 2.7)	962.4 0.2 (0.1440 4.4)	964.5 0.9 (0.0301 3.7)		
	970.5 0.3 (0.1040 3.1)	973.0 0.2 (0.2660 7.4)	980.3 0.2 (0.1020)	998.8 0.2 (0.1210)	1098.3 0.2 (0.2410 3.1)		
	1102.7 0.2 (0.1960 3.2)	1114.8 0.6 (0.0474 2.4)	1117.9 0.2 (0.2030 3.0)	1145.1 0.2 (0.5890)	1147.5 0.5 (0.1260 3.4)		
	1159.0 0.2 (0.5100 4.7)	1171.8 0.2 (0.3700)	1174.6 0.2 (0.6110)	1183.3 0.2 (0.3040 3.7)	1185.8 0.2 (0.3670 7.2)		
	1193.3 0.2 (0.4870)	1209.9 0.2 (0.3800 3.8)	1228.2 0.2 (0.1150 2.2)	1247.1 0.2 (0.2700 3.5)	1250.4 0.2 (0.3880 4.0)		
	1268.3 0.2 (0.2040)	1276.4 0.3 (0.1260 6.0)	1280.0 0.2 (0.5450 4.9)	1303.1 0.2 (0.3960)	1338.2 0.2 (0.2460 4.4)		
	1341.2 0.6 (0.0664 3.5)	1342.9 0.6 (0.0498 2.6)	1358.3 0.2 (0.6050 5.4)	1361.4 0.3 (0.1450)	1417.8 0.2 (0.6110 5.4)		
	1429.2 0.2 (0.3240 3.5)	1434.5 0.2 (0.2000 2.8)	1464.5 0.2 (0.2460 2.7)	1524.5 0.5 (0.0296 5.3)	1525.6 0.5 (0.0630)		
	1656.6 0.2 (0.5520 4.7)	1740.0 0.2 (0.3990 4.8)					
ER 163	100.0 0.1 (3.4500 6.1)	123.6 0.2 (0.4230)	164.6 0.2 (0.9390)	(R)	ER 163 ^{EC} =====> HO 163 * 75. H		
	192.6 0.2 (1.0300 9.5)	253.9 0.2 (0.7750)	257.8 0.1 (23.5000 2.8)				
	331.0 0.3 (0.4230)	339.8 0.2 (6.8100 4.5)	417.1 0.2 (1.7800 9.6)				
	431.2 0.2 (2.9400 7.7)	436.1 0.1 (58.2000 3.5)	439.9 0.1 (56.3000 3.5)	444.8 0.2 (1.8600)	452.3 0.2 (1.4100)		
	484.0 0.3 (0.5630)	552.0 0.3 (0.6570)	558.5 0.2 (1.2000)	568.4 0.2 (1.7600)	578.1 0.2 (2.7200 8.3)		
	614.3 0.1 (6.8100 4.5)	711.3 0.2 (2.5100 8.9)	875.8 0.2 (14.1000 5.7)	1013.6 0.3 (1.7600)	1113.5 0.3 (100.0000)		
ER 167H	207.8 (43.0000)			(A)	ER 167H ^{IT} =====> ER 167 3.25E+00 2.28S (N.G.),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS-Y. (U 235)
ER 171	85.6 (0.0600)	111.600 0.004 (20.5000 3.9)	116.710 0.007 (2.3000 2.6)	(A)	ER 171 E- ====> TM 171 * 7.52H	1.30E+00	
	124.120 0.005 (9.1000 2.9)	175.71 0.04 (0.0890)	197.7 (0.0270)		(N,G),		
	210.1 1.11 (0.0070)	210.63 0.04 (0.6400)	237.21 0.05 (0.3000)				
	261.4 (0.0200)	277.32 0.06 (0.5800)	286.5 (0.0080)	296.10 0.02 (29.0000)	308.18 0.02 (64.0000)		
	363.0 (0.0200)	372.0 (0.2600)	419.8 (0.0830)	424.8 (0.0220)	455.6 (0.0060)		
	487.9 (0.0050)	495.4 (0.0020)	506.6 (0.0230)	518.8 (0.0180)	547.6 (0.0170)		
	559.1 (0.0470)	573.5 (0.0098)	586.0 (0.0040)	608.6 (0.0470)	609.0 (0.0470)		
	620.6 (0.0890)	630.7 (0.0050)	670.7 (0.2500)	671.7 (0.0220)	675.7 (0.2900)		
	693.2 (0.0150)	705.8 (0.0120)	732.2 (0.0980)	744.9 (0.0066)	767.8 (0.0045)		
	783.8 (0.2400)	796.2 (0.6400)	860.0 (0.0015)	869.7 (0.0550)	871.5 (0.0200)		
	882.0 (0.0390)	907.8 (0.6400)	912.8 (0.0770)	966.4 (0.0260)	994.0 (0.0006)		
	1051.0 (0.0004)	1096.4 (0.0011)	1109.0 (0.0068)	1156.0 (0.0006)	1168.4 (0.0018)		
	1172.9 (0.0008)	1182.0 (0.0003)	1220.5 (0.0030)	1271.2 (0.0003)	1279.9 (0.0025)		
	1284.4 (0.0024)	1355.5 (0.0028)	1400.5 (0.0025)				
ER 172	29.32 0.05 (*****)	38.63 0.05 (*****)	59.67 0.05 (2.2000)	(A)	ER 172 E- ====> TM 172 * 49. H		
	62.4 0.1 (0.0989)	68.05 0.05 (3.4200)	74.9 0.5 (0.0961)				
	88.9 0.1 (*****)	127.68 0.05 (3.0500)	163.95 0.05 (0.9780)				
	202.8 0.8 (1.2400)	344.2 0.2 (0.5790)	383.5 0.3 (2.3900)	407.3 0.2 (42.2000)	445.9 0.2 (3.0500)		
	475.4 0.2 (1.0300)	535.1 0.1 (0.2830)	610.0 0.2 (43.2000)				
ER 173	94.2 0.2 (4.2400)	116.14 0.04 (16.6000)	118.6 0.2 (2.2500)	(A)	ER 173 E- ====> TM 173 * 1.4 H		
	122.40 0.04 (18.2000)	192.8 0.2 (41.1000)	199.2 0.2 (42.4000)				
	800.8 0.6 (8.4800)	895.2 0.4 (47.5000)					
TM 164H	80.32 0.05 (0.7440 9.7)	51.39 0.03 (5.2100)	101.2 0.1 (0.2040)	(A)	TM 164H E- ====> ER 164 5.1 H		
	139.43 0.08 (3.1900 3.8)	199.2 0.3 (0.0560)	208.08 0.03 (18.3000 3.0)		(P,N),		
	240.49 0.05 (9.3200 5.0)	256.5 0.8 (0.0840)	314.93 0.05 (12.0000)				
	385.5 0.1 (0.3480)	410.2 0.1 (1.7600 7.5)	547.0 0.1 (5.5400 5.6)	583.2 0.1 (0.8880 6.8)	625. 1. (0.3240)		
	646.94 0.07 (0.2160)	736.7 0.3 (0.1920)	743.9 0.3 (0.1320 9.1)	758.81 0.09 (0.5400 8.9)	820.7 0.1 (1.6300 5.2)		
	854.91 0.07 (0.9720 7.4)	897.91 0.05 (5.3200 4.5)	929.9 0.4 (0.1560 7.7)	960.7 0.8 (0.2160)	967.4 0.2 (0.1320 9.1)		
	1049.84 0.09 (1.9100 5.0)	1130.1 0.1 (0.4080 8.8)	1140.0 0.4 (0.2040)	1231.19 0.07 (5.0200 4.8)	1364.60 0.06 (5.1000 5.0)		
	1370.8 0.1 (1.1600)	1498.0 0.2 (0.1800)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
TM 164	91.39 0.03 (7.3000)	208.08 0.03 (1.2900 4.5)	315.46 0.06 (0.1310 5.6)	(A)	TM 164 EC =====> ER 164 2.0 H		
	511.006 0.002 (78.2000)	524.49 0.09 (0.0438)	561. 1. (0.0365)		(P,N),		
	595.14 0.05 (0.4600 3.2)	646.94 0.07 (0.0657)	689.66 0.06 (0.1170)				
	758.81 0.09 (0.0511)	768.92 0.04 (1.5600 3.3)	842.06 0.05 (0.4380 5.0)	854.91 0.07 (0.2990 4.9)	860.31 0.04 (1.2200 3.6)		
	905.66 0.05 (0.3650 6.0)	928.27 0.05 (0.0584)	934.9 0.7 (0.0511)	963.5 0.6 (0.0365)	1015.22 0.07 (0.1750 4.2)		
	1057.85 0.05 (0.4960 4.4)	1134.61 0.06 (0.0803 9.0)	1154.63 0.05 (1.8200 3.2)	1165.45 0.05 (0.8180 4.5)	1184.32 0.05 (0.1830)		
	1223.12 0.05 (0.6860 3.2)	1295.41 0.05 (1.0700 2.7)	1312.4 0.1 (0.4750 9.2)	1314.8 0.3 (0.3430)	1325.18 0.05 (0.8400 2.6)		
	1342.59 0.07 (0.1530 4.7)	1361.53 0.05 (0.0818 4.5)	1373.9 0.9 (0.0584)	1378.5 0.4 (0.0292)	1386.74 0.05 (0.7080 5.2)		
	1392.52 0.05 (0.1460 5.0)	1416. 1. (0.0292)	1417.99 0.05 (0.1750 8.3)	1460.3 0.5 (0.1020)	1483. 1. (0.0511)		
	1486.4 0.2 (0.4600)	1489.3 0.2 (0.4450)	1533.93 0.05 (0.1680 4.4)	1577.75 0.08 (0.1020 7.1)	1584.3 0.5 (0.0197)		
	1610.74 0.05 (1.2100 3.0)	1624.1 0.5 (0.0496)	1654. 1. (0.0292)	1674.35 0.05 (1.1100 3.3)	1696.86 0.06 (0.2990 4.9)		
	1714.1 0.2 (0.0569 5.1)	1742.09 0.05 (0.2410 3.0)	1783.70 0.09 (0.0657)	1788.7 0.5 (0.0511)	1819.84 0.09 (0.4450 4.9)		
	1833.42 0.09 (0.1100)	1862.52 0.05 (0.5690 5.1)	1873.5 0.8 (0.0657)	1900.5 0.5 (0.0365)	1910.92 0.09 (0.0547)		
	1934.92 0.05 (0.1970 3.7)	1944.7 0.2 (0.0591 9.8)	1955.24 0.08 (0.1020 7.1)	1977.8 0.2 (0.1100 6.7)	2010.7 0.5 (0.0182)		
	2035.6 0.4 (0.0876)	2052.2 0.5 (0.0365)	2055.52 0.08 (0.1100)	2081.61 0.06 (0.7010 5.2)	2186.3 0.5 (0.0365)		
	2278.0 0.1 (0.0803 9.0)	2353.1 0.2 (0.1390 5.2)	2383.63 0.06 (0.4600 4.8)	2421.6 0.3 (0.0584)	2449.4 0.2 (0.0730)		
	2476.5 0.5 (0.0139)	2484.1 0.1 (0.1100)	2489.7 0.2 (0.0657)	2521.8 0.1 (0.0511)	2530.9 0.5 (0.0511)		
	2571.4 0.5 (0.0438)	2641.2 0.5 (0.0438)	2690.5 0.2 (0.0234)	2763.0 0.5 (0.0365)	2881.2 0.5 (0.0270)		
	2958.7 0.5 (0.0219)	3002.4 0.3 (0.0387 9.3)	3021.9 0.5 (0.0219)	3044.1 0.5 (0.0219)	3081.4 0.4 (0.0161)		
	3108.1 0.4 (0.0182)	3121.5 0.5 (0.0219)	3134.6 0.4 (0.0314)	3315.6 0.5 (0.0219)			
TM 165	218.6 (9.6000)	223.9 (*****)	229. (*****)	(R)	TM 165 EC =====> ER 165 * 30.06H		
	242.7 (100.0000)	248.9 (*****)	249.7 (*****)				
	264.4 (1.6300)	279.1 (1.9200)	286.1 (*****)				
	292.3 (*****)	295.9 (*****)	297.2 (*****)	306.9 (0.4600)	312.2 (1.3500)		
	330. (0.3500)	336. (*****)	344. (*****)	346.6 (8.5600)	356.3 (7.8000)		
	363. (*****)	365.3 (1.5000)	377. (*****)	389.2 (7.7000)	400.2 (0.5600)		
	414. (*****)	420.7 (0.9600)	426.9 (*****)	429.9 (*****)	436. (*****)		
	442.4 (2.3000)	448.1 (5.5000)	456.0 (4.5000)	459.9 (10.6000)	471.8 (0.8700)		
	477.7 (1.1500)	487.0 (2.9800)	502. (*****)	507. (*****)	513.5 (0.9600)		
	526.8 (3.1000)	530.9 (*****)	542.2 (4.0400)	558.3 (1.8000)	563.7 (6.4000)		
	570. (*****)	573.8 (1.3500)	577.3 (0.6700)	589.4 (5.4800)	622.8 (0.8700)		
	630. (*****)	664. (1.1500)	677.3 (0.5800)	680.5 (0.3800)	698.6 (3.9000)		
	734. (*****)	747.4 (0.7700)	791.0 (1.7300)	806.8 (33.0000)	821.2 (*****)		
	837.7 (1.2500)	855. (0.3800)	952.8 (*****)	991. (*****)	1042. (*****)		
	1045.7 (*****)	1067. (*****)	1096. (*****)	1131.0 (4.6000)	1184.5 (7.1000)		
	1232.0 (0.0870)	1246.4 (*****)	1262. (0.0290)	1289. (0.3100)	1333. (0.0190)		
	1339. (0.0380)	1344. (0.0290)	1365. (0.1700)	1379.5 (0.8200)	1426.9 (1.8700)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
TM 166	73.50	80.57	82.3	(A)	TM 166 ^{EC} =====> ER 166 7.70H (A,N), (P,N),		
	(0.0140)	(6.2000)	(6.2000)				
	84.15	90.7	96.7				
	(6.2000)	(*****)	(*****)				
	112.8	131.0	147.2 0.2				
	(*****)	(0.6300)	(0.3200)				
	154.8 0.3	164.2 0.2	194.9 0.1	215.4 0.4	280.4		
	(2.2000)	(16.6000)	(0.8400)	(5.5700)	(0.2900)		
	298.2	345.9	385.5	389.4	390.3		
	(0.3700)	(0.3600)	(*****)	(*****)	(0.6300)		
	404.0 0.1	410.7	430.0	459.8 0.2	472.5		
	(0.8600)	(*****)	(0.2300)	(2.8800)	(0.0930)		
	496.9	501.0 1.5	521.2 1.0	530.4 1.0	557.7 1.0		
	(*****)	(*****)	(*****)	(*****)	(0.2600)		
	563.2 1.0	554.8 0.8	599.0 0.8	604.5 1.0	616.9 1.0		
	(0.2200)	(3.5000)	(3.5000)	(*****)	(0.0880)		
	631.0 1.0	654.6 0.6	673.1 0.1	691.9 0.1	704.4 1.6		
	(0.1800)	(0.2600)	(9.0500)	(7.1000)	(11.4000)		
	712.4 0.5	729.5 1.0	759.2 1.0	779.9 0.5	786.6 0.5		
	(*****)	(0.2700)	(2.1000)	(20.4000)	(10.1000)		
	811.5 0.6	815.5 1.5	875.3 0.6	902.5 1.5	1080.0 1.0		
	(1.1000)	(0.0370)	(3.8000)	(0.1500)	(0.1500)		
	1085.0 1.5	1121.1 1.0	1132.0 1.5	1153.9 0.8	1162.0 2.0		
	(*****)	(0.1500)	(*****)	(1.3000)	(*****)		
	1177.9 0.5	1204.7 0.7	1217.2 0.7	1236.5 0.5	1250.3 1.5		
	(9.0000)	(1.2000)	(0.6000)	(1.7000)	(0.1200)		
	1265.3 1.0	1275.2 0.5	1302.3 0.7	1306.4 1.5	1315.2 1.5		
	(0.7000)	(14.0000)	(0.6000)	(0.6000)	(0.3000)		
	1348.8 0.6	1375.3 0.6	1432.5 1.0	1449.6 1.0	1475.4 2.0		
	(0.7400)	(4.6000)	(0.7000)	(0.5600)	(0.1200)		
	1497. 2.	1506.6 1.0	1600. 2.	1608.2 1.5	1625.0 1.0		
	(*****)	(0.8100)	(*****)	(0.0700)	(0.2300)		
	1654.6 1.5	1838.0 2.0	1868.5 0.7	1895.1 1.0	1908.1 2.0		
	(0.4600)	(*****)	(3.4000)	(1.0000)	(0.3000)		
	1578.2 1.5	2009.1 0.8	2020.5 2.0	2053.9 0.7	2081.0 0.7		
	(0.0460)	(0.0810)	(*****)	(18.0000)	(6.3000)		
	2094.6 0.7	2162.5 2.0	2178. 2.	2193.6 1.5	2212. 2.0		
	(1.5000)	(0.0420)	(0.0230)	(0.1700)	(0.0350)		
	2412.5 2.0	2424.5 2.0	2463.7 1.5	2519.3 2.0	2560. 2.0		
	(*****)	(0.0230)	(0.0230)	(0.0260)	(0.0230)		
	2598.2 1.5	2647.0 2.0	2670. 2.0	2679.6 1.5			
	(0.0560)	(0.0190)	(*****)	(0.0700)			
TM 167	207.8	250.2 0.5	266.5 0.5	(A)	TM 167 ^{EC} =====> ER 167 9.25D		
	(98.5000)	(0.0020)	(0.0020)				
	323.7 0.5	346.5 0.3	531.5				
	(0.0020)	(0.0200)	(1.5000)				
TM 168	79.8 0.2	99.1 0.2	173.5 0.3	(A)	TM 168 ^{EC} =====> ER 168 93.1 D (A,N), (P,N),		
	(9.1900)	(9.3000)	(0.0540)				
	184.2 0.2	198.2 0.2	272.9 0.4				
	(17.2000)	(52.1000)	(0.1030)				
	348.5 0.3	422.2 0.4	447.4 0.2				
	(0.3300)	(0.3200)	(24.5000)				
	546.7 0.3	556.9 0.5	631.6 0.5	645.7 0.5	673.4 0.7		
	(2.8400)	(0.2060)	(8.9800)	(1.5200)	(0.2230)		
	720.3 0.2	730.6 0.2	741.3 0.2	748.2 0.3	815.9 0.2		
	(12.2000)	(5.1400)	(12.6000)	(0.4510)	(50.0000)		
	821.1 0.3	829.9 0.2	853.5 0.7	914.9 0.3	928.9 0.5		
	(11.7000)	(6.9500)	(0.0500)	(3.0000)	(0.0500)		
	1014.1 0.5	1167.5 0.5	1277.3 0.3	1322.6 0.7	1351.2 0.7		
	(0.9600)	(0.0850)	(1.7000)	(0.0300)	(0.1000)		
	1358.0 1.0	1461.3 0.4	1592.5 0.4				
	(0.0100)	(0.4200)	(*****)				
TM 170	84.257 0.003			(A)	TM 170 ^{E-} =====> YB 170 128.6 D (N,G), (P,N),	1.02E+02	
	(3.4000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
TM 174	76.45 0.05 (11.0000)	176.52 0.07 (79.0000)	223.4 1.0 (0.2600)	(R)	TM 174 E- =====> YB 174 5.2 M (N,P),		
	272.7 0.1 (85.0000)	288.0 0.5 (1.5000)	319.8 1.0 (0.3500)				
	363.0 1.0 (2.6000)	366.4 0.2 (100.0000)	443.5 0.3 (1.2000)				
	494.0 0.2 (11.0000)	554.4 1.0 (0.6100)	628.4 0.3 (2.2000)	860.6 0.4 (2.6000)	991.8 0.1 (88.0000)		
	1242.1 0.5 (1.5000)	1264.5 0.4 (2.6000)	1304.7 0.7 (0.6100)				
TM 176	82.1 0.3 (31.7000)	96.1 0.3 (2.0300)	190.0 0.2 (100.0000)	(R)	TM 176 E- =====> YB 176 1.9 M (N,P),		
	233.7 0.5 (7.3200)	239.3 0.5 (20.3000)	292.9 0.3 (9.7600)				
	300.2 0.5 (5.6900)	330.9 0.5 (18.7000 9.3)	343.6 0.5 (12.2000)				
	382.0 0.4 (48.0000 6.1)	389.7 0.4 (2.5000)	410.5 0.3 (8.1300)	423.9 0.4 (2.5200)	456.9 0.5 (4.6400)		
	621.7 0.6 (5.5300)	800.4 0.6 (8.9400)	895.2 0.4 (51.2000 8.6)	1012.6 0.7 (4.4700)	1050.3 0.7 (17.9000)		
	1069.6 0.5 (81.3000)	1089.6 0.6 (13.0000)	1111.2 0.6 (8.9400)	1179.2 0.8 (9.7600)	1254. 1. (6.0200)		
	1259.8 0.7 (10.6000)	1354. 2. (6.1800)	1590. 2. (8.1300)	1846. 2. (4.4700)	1971. 1. (4.8000)		
	2622. 1. (5.4500)	2682. 2. (4.1500)	2872. 2. (5.2000)	2915. 1. (6.9100)			
YB 162	44.66 0.06 (2.6200)	118.77 0.04 (0.3620)	163.47 0.06 (0.4100)	(A)	YB 162 EC =====> TM 162 * 18.9 M		
YB 163	63.58 0.03 (69.6000 5.1)	77.85 0.06 (2.2000 9.2)	123.21 0.05 (19.9000 5.1)	(R)	YB 163 EC =====> TM 163 * 10.96M		
	130.86 0.04 (17.0000 5.4)	136.77 0.04 (4.0000 5.1)	144.50 0.04 (5.1000 6.0)				
	161.54 0.05 (11.5000 5.3)	170.3 0.5 (3.1000 6.5)	182.0 0.1 (4.3000 4.8)				
	203.8 0.1 (7.4000 5.5)	217.2 0.1 (4.3000)	234.36 0.05 (7.5000 9.4)	304.3 0.3 (4.4000)	326.05 0.05 (17.2000 7.6)		
	352.99 0.05 (7.2000)	362.0 0.2 (3.6000)	366.28 0.07 (7.6000)	385.6 0.2 (1.8000)	404.1 0.3 (1.6000)		
	423.2 0.4 (1.4000)	435.5 0.2 (6.6000)	446.2 0.5 (2.2000)	539.4 0.4 (1.6000)	599.2 0.6 (2.4000)		
	605.9 0.2 (4.4000)	620.3 0.6 (1.9000)	623.0 0.6 (1.6000)	648.9 0.4 (2.7000)	687.0 0.2 (14.4000 9.8)		
	694.6 0.4 (3.5000)	736.9 0.2 (7.9000)	772.8 0.4 (2.3000)	803.5 0.5 (2.7000)	810.7 0.2 (4.5000)		
	860.26 0.08 (100.0000)	920.1 0.4 (2.8000)	942.2 0.3 (4.2000)	960.0 0.6 (3.0000)	970.1 0.7 (3.1000)		
	973.1 0.8 (2.4000)	1001.7 0.4 (3.1000)	1006.7 0.4 (4.1000)	1023.3 0.4 (2.7000)	1332.2 0.3 (5.8000)		
	1345.1 0.4 (5.6000)	1454.5 0.3 (10.5000)	1493.5 0.5 (2.7000)	1560.6 0.6 (1.9000)	1568.4 0.6 (1.0000)		
	1575.2 0.4 (3.6000)	1592.7 0.6 (1.4000)	1604.7 0.6 (1.4000)	1658.6 0.4 (4.8000)	1688.9 0.3 (7.4000 9.5)		
	1746.7 0.1 (17.2000 8.2)	1766.5 0.4 (3.8000)	1789. 1. (1.9000)	1908.1 0.2 (15.3000 5.3)			
YB 164	97.20 0.08 (40.6000)	362.79 0.05 (37.5000 8.4)	390.51 0.05 (78.1000 4.1)	(R)	YB 164 EC =====> TM 164 * 75.8 M		
	401.77 0.05 (31.3000)	415.58 0.05 (28.1000)	445.31 0.05 (93.8000 3.5)				
	601.87 0.07 (40.6000 7.8)	675.20 0.05 (100.0000 3.2)					
YB 169	63.125 0.003 (0.4500)	93.607 0.005 (2.5000)	110.0 0.2 (1.8000)	(A)	YB 169 EC =====> TM 169 32. D (N,G),(D,2N),	6.98E+00	
	118.6 0.2 (1.8000)	130.7 0.2 (11.0000)	177.0 0.2 (22.0000)				
	197.8 0.2 (35.0000)	261.2 0.2 (1.7000)	307.5 0.2 (11.0000)				
YB 175	113.803 0.004 (2.0200)	137.656 0.006 (0.1090)	144.861 0.005 (0.3600)	(A)	YB 175 E- =====> LU 175 4.2 D (N,G),	1.65E+01	
	251.47 0.02 (0.0960)	282.52 0.01 (3.2000)	296.32 0.02 (7.0000)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
YB 177	121.620 0.003 (9.0000)	138.606 0.005 (2.7000)	147.165 0.005 (0.3300)	(A)	YB 177 $\xrightarrow{E-}$ LU 177 * 1.9 H (N,G),	6.59E-01	
	150.392 0.003 (2.7100)	162.492 0.004 (0.1600)	268.80 0.01 (0.1500)				
	458.1 0.5 (0.0350)	760.4 0.3 (0.0500)	779.3 0.3 (0.1000)				
	899.2 0.3 (0.5500)	941.7 0.3 (0.8700)	961.5 0.5 (0.0170)	967.4 0.5 (0.0280)	1028.0 0.3 (0.5400)		
	1080.1 0.3 (4.7200)	1109.0 0.3 (0.1500)	1119.6 0.3 (0.4700)	1149.7 0.3 (0.5500)	1214.8 0.3 (0.0240)		
	1230.7 0.3 (0.3200)	1241.4 0.3 (2.8800)	1336.4 0.5 (0.0110)				
LU 168	87.8 0.1 (43.6000)	99.5 0.3 (0.9920)	111.9 0.3 (2.6900)	(R)	LU 168 $\xrightarrow{EC}$ YB 168 7.0 H (P,N),		
	122.8 0.3 (1.0300)	130.2 0.3 (0.8040)	145.1 0.3 (0.9710)				
	147.9 0.3 (1.2500)	156.6 0.2 (6.4100)	179.6 0.2 (5.1700)				
	198.8 0.2 (100.0000)	223.6 0.2 (3.0800)	228.5 0.3 (4.8600)	246.6 0.4 (1.2700)	268.0 0.4 (1.9300)		
	298.62 0.09 (12.2000)	310.5 0.3 (2.2200)	324.7 0.2 (6.2000)	348.3 0.2 (9.8800)	371.8 0.4 (1.1000)		
	374.2 0.5 (0.9920)	379.9 0.3 (2.2500)	384.8 0.2 (3.8100)	393.3 0.6 (1.1500)	397.2 0.6 (1.5500)		
	401.1 0.3 (0.8550)	467.9 0.4 (2.0100)	479.5 0.7 (1.8400)	511.006 0.002 (8.1100)	539.8 0.2 (3.0400)		
	583.4 0.2 (5.9900)	606.8 0.3 (2.0500)	652.3 0.5 (0.8890)	697.5 0.3 (1.6700)	717.1 0.3 (2.8800)		
	730.3 0.3 (3.0800)	752.5 0.4 (1.5900)	780.5 0.3 (8.7700)	806.2 0.4 (1.0800)	853.5 0.2 (8.4500)		
	860.0 0.2 (2.6900)	884.7 0.2 (25.5000)	896.1 0.2 (24.9000)	902.3 0.4 (2.3600)	979.2 0.2 (38.9000)		
	983.8 0.2 (19.6000)	988.1 0.4 (2.8500)	1015.7 0.2 (9.6100)	1025.7 0.4 (1.2000)	1032.6 0.2 (18.3000)		
	1071.7 0.3 (5.0300)	1083.5 0.2 (12.1000)	1089.3 0.4 (1.8600)	1105.0 0.3 (0.4130)	1136.8 0.2 (20.9000 7.9)		
	1146.0 0.3 (0.4130)	1156.0 0.3 (0.0826)	1158.5 0.3 (0.7030)	1164.7 0.3 (21.1000 1.5)	1185.0 0.2 (9.5100 8.7)		
	1193.0 0.4 (1.2600)	1215.4 0.4 (1.8600)	1219.9 0.2 (16.7000 8.7)	1233.5 0.2 (6.6100 9.4)	1256.5 0.3 (3.1000)		
	1264.5 0.3 (6.6100 9.4)	1303.2 0.5 (0.8260)	1311.2 0.2 (6.8200 9.1)	1320.3 0.4 (0.7230)	1337.7 0.2 (6.8200 9.1)		
	1363.9 0.2 (7.9500)	1380.2 0.5 (0.5790)	1387.5 0.2 (7.2300 8.6)	1392.1 0.3 (2.1300)	1413.5 0.3 (3.3900)		
	1420.8 0.2 (14.1000)	1449.6 0.5 (2.2700)	1463.5 0.3 (4.3400)	1483.6 0.2 (14.9000)	1516.0 0.7 (0.3100)		
	1525.1 0.5 (0.9300)	1533.3 0.5 (0.5990)	1594.5 0.3 (0.4130)	1631.5 0.3 (0.4130)	1669. 1. (0.3100)		
	1686.0 0.5 (4.1300)	1712.0 0.5 (0.4130)	1848.6 0.8 (0.2690)	1872.3 0.8 (0.2690)	1898. 1. (0.1240)		
	1917.5 0.6 (0.7440)	1957. 1. (0.1030)	1969.5 0.5 (0.4960)	2093.0 0.8 (0.2690)	2141.4 0.5 (2.4800)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (C1/G)	FISS.Y. (U 235)
LU 169	24.20 0.02 (*****)	75.00 0.06 (1.4000)	87.27 0.06 (13.0000 6.9)	(R)	LU 169 EC ===== Y 169 * 34.06H		
	90.72 0.07 (1.5000)	91.91 0.06 (1.5000)	104.30 0.09 (3.5000)				
	109.00 0.09 (5.3000)	110.90 0.07 (6.3000)	144.6 0.1 (2.9000)				
	156.9 0.1 (6.6000)	161.7 0.2 (2.3000)	165.0 0.1 (4.9000)	166.5 0.1 (4.9000)	191.3 0.1 (95.0000 4.8)		
	198.4 0.2 (3.0000)	227. 1. (1.0000)	244.9 0.2 (1.8000)	259. 1. (1.5000)	292. 1. (1.5000)		
	369.3 0.1 (3.7000)	378.6 0.1 (9.5000 6.7)	404.2 0.2 (1.0000)	456.4 0.2 (2.5000)	470.6 0.4 (2.0000)		
	483. (0.9100)	489. (0.9100)	560. (0.9100)	563.1 (1.3000)	576.3 0.2 (3.9000)		
	590.6 0.2 (2.5000)	623. (1.1000)	633.3 0.7 (1.9000)	647. 1. (1.4000)	657.7 0.3 (0.8200)		
	690.7 0.2 (5.5000)	707.5 0.2 (2.1000)	725. 1. (1.4000)	729. 1. (1.4000)	760.7 0.3 (1.4000)		
	824.5 0.2 (0.9100)	879.7 0.2 (2.3000)	889.5 0.2 (20.0000)	960.3 0.1 (100.0000)	1060.1 0.3 (7.5000)		
	1064. 1. (1.4000)	1069.5 1.0 (0.9100)	1073.5 0.4 (2.8000)	1076.2 0.9 (1.6000)	1078.2 0.9 (1.6000)		
	1170.8 0.2 (2.9000)	1175.0 1.5 (0.9100)	1178.5 1.5 (0.9100)	1184.5 0.2 (9.1000)	1205.7 0.4 (2.5000)		
	1211.8 0.4 (2.0000)	1219. 1. (1.7000)	1232.4 0.4 (2.3000)	1250.9 0.4 (2.3000)	1271.6 0.5 (3.3000)		
	1276.6 0.6 (1.6000)	1282.9 0.5 (1.6000)	1290.2 0.4 (4.3000)	1311.5 1.5 (1.1000)	1326.3 0.5 (2.4000)		
	1338.1 0.6 (5.7000)	1354.5 1.5 (0.7300)	1372.5 1.5 (0.7300)	1375.8 0.8 (6.1000)	1378.8 0.4 (6.1000)		
	1391.7 0.4 (6.8000)	1429.0 0.3 (0.7300)	1431. (0.7300)	1450.4 0.2 (40.0000)	1462.8 0.4 (5.6000)		
	1466.2 0.3 (7.0000)	1467.0 0.3 (7.0000)	1497. 1. (0.7300)	1529.6 0.2 (2.6000)	1591.1 0.9 (2.2000)		
	1595.5 1.0 (0.6400)	1618.9 0.7 (2.3000)	1657.7 0.2 (2.7000)	1676.9 0.7 (2.0000)	1682.3 0.7 (2.0000)		
	1690. 1. (1.5000)	1708.5 0.7 (2.5000)	1761.9 0.9 (1.8000)	1781.5 0.7 (3.9000)	1870. 2. (0.6300)		
	1972. 1. (1.4000)	1984. 1. (1.8000)	1992. 2. (1.9000)	2093.2 1.2 (2.3000)	2139. 2. (0.8100)		
	2223. 2. (0.6300)	2236.6 1.5 (1.8000)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
LU 170	84.26 0.01 (85.0000)	152.8 0.2 (3.7000)	193.5 0.2 (25.0000)	(R)	LU 170 EC =====> 2.02D YB 170		
	283.4 0.4 (2.6000)	286.8 0.4 (7.6000)	323.6 0.1 (3.7000)				
	419.7 0.1 (5.7000)	492.5 0.2 (6.7000)	542.8 0.3 (4.0000)				
	544.3 0.1 (4.0000)	571.5 0.3 (6.2000)	572.3 0.2 (6.2000)	579.1 0.3 (4.3000)	688.1 0.3 (3.5000)		
	839.3 0.4 (5.0000)	855.2 0.3 (7.5000)	926.1 0.6 (4.5000)	938.6 0.3 (17.0000)	985.3 0.3 (83.0000 4.2)		
	999.3 0.2 (12.0000)	1003.0 0.2 (41.0000)	1028.5 0.3 (8.0000 6.3)	1050.4 0.3 (9.9000)	1054.0 0.2 (59.7000 8.3)		
	1061.0 1.0 (32.0000)	1101.3 0.3 (12.0000)	1133.2 0.2 (16.0000)	1138.3 0.2 (43.0000)	1145.4 0.5 (42.0000 9.5)		
	1217.8 0.3 (17.0000)	1221.7 0.2 (8.5000)	1225.1 0.3 (47.0000)	1256.8 0.3 (16.0000 8.9)	1263.0 0.3 (3.0000)		
	1279.8 0.2 (96.0000 2.6)	1294.4 0.3 (30.0000 4.8)	1306.9 0.3 (18.0000)	1312.7 (3.0000)	1340.6 0.3 (39.0000 5.1)		
	1364.1 0.2 (48.0000 3.1)	1395.4 0.3 (27.0000 9.1)	1404.9 0.3 (30.0000 8.1)	1413.0 0.3 (3.5000)	1427.8 0.2 (45.0000 4.3)		
	1449.9 0.1 (18.0000)	1455.1 0.2 (14.0000)	1459.6 0.3 (13.0000)	1481.6 0.3 (6.0000)	1512.5 0.3 (34.0000 2.9)		
	1534.2 0.3 (10.0000)	1550.5 0.2 (5.2000)	1564.1 1.0 (3.0000)	1574.8 0.4 (5.4000 9.1)	1610.5 0.3 (7.0000)		
	1634.8 1.0 (2.7000)	1638.3 0.9 (2.1000)	1641.7 0.5 (2.1000)	1673.5 1.0 (3.5000)	1679.8 1.0 (3.0000)		
	1702.7 1.1 (2.6000)	1775.4 1.0 (2.6000)	1801.7 1.1 (2.8000)	1808.9 1.1 (9.5000)	1859.2 1.2 (7.0000)		
	1877.5 1.2 (8.0000)	1900.6 1.2 (6.0000)	1955.3 0.3 (16.0000 6.2)	1960.9 1.2 (5.0000)	2025.9 0.6 (3.5000)		
	2029.3 1.2 (9.0000)	2041.4 0.2 (100.0000)	2115.6 1.6 (8.5000)	2125.6 0.3 (59.0000 5.0)	2190.6 0.4 (18.0000 5.3)		
	2240.0 1.0 (2.5000)	2275.6 1.4 (12.0000 8.2)	2363.5 0.4 (16.0000 6.1)	2399.0 0.4 (6.5000)	2410.6 1.4 (11.0000)		
	2423.2 1.4 (3.2000)	2474.6 1.4 (9.4000 7.9)	2663.4 0.6 (16.0000 6.1)	2691.0 1.5 (25.0000 5.8)	2698.2 1.5 (7.2000)		
	2747.8 0.6 (23.0000 6.3)	2782.2 0.6 (11.0000)	2845.5 1.5 (20.0000 7.1)	2855.8 1.5 (4.5000)	2881.9 1.2 (10.0000 7.1)		
	2929.2 0.7 (7.0000)	2939.2 0.6 (16.0000 8.8)	2947.2 0.6 (5.7000)	2965.0 0.6 (14.0000 7.0)	3030.6 1.6 (13.0000 7.1)		
	3064.0 1.2 (4.3000 8.0)	3093.4 1.2 (4.0000)	3100.0 1.2 (4.0000)	3115.3 0.6 (8.5000)	3147.2 1.0 (2.4000)		
LU 171	19.3 (*****)	27.0 (*****)	46.5 (*****)	(R)	LU 171 EC =====> 8.22D YB 171		
	55.7 (*****)	66.72 (*****)	72.3 (*****)		(P,N),		
	75.89 (*****)	85.5 (*****)	91.3 (*****)				
	109.2 (*****)	122.2 (*****)	132.2 (*****)	141.3 (*****)	154.6 (*****)		
	163.8 (*****)	170.6 (*****)	195.0 (*****)	518. (*****)	627. (*****)		
	668. (*****)	690. (*****)	714. (*****)	741. (*****)	768. (*****)		
	782. (*****)	827. (*****)	842. (*****)	854. (*****)			

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (C/G)	FISS.Y. (U 235)
LU 172	372.5 0.2 (100.0000)	377.5 0.2 (25.4000)	399.72 0.09 (32.5000)	(R)	LU 172 EC =====> YB 172 6.7 D		
	410.31 0.09 (67.6000)	416.5 0.3 (5.2600)	422.6 0.2 (9.6500)		(P,N), (A,N),		
	427.3 0.2 (8.7700)	432.4 0.2 (8.7700)	437.6 0.2 (6.1400)				
	482.3 0.1 (11.4000)	486.2 0.1 (12.9000)	490.4 0.1 (38.6000 9.1)	512.7 0.2 (3.8600)	523.8 0.2 (2.1100)		
	528.22 0.07 (75.4000)	536.2 0.1 (11.2000)	540.14 0.09 (21.1000)	551.3 0.2 (2.0200)	565.0 0.2 (0.6580)		
	576.8 0.1 (4.4700)	583.0 0.2 (1.1400)	584.7 0.1 (5.0900)	594.4 0.1 (5.4400)	607.1 0.1 (2.3700)		
	622.5 0.2 (2.1100)	630.5 0.2 (6.1400)	642.8 0.2 (2.7200)	645.0 0.3 (0.7020)	650.2 0.2 (1.1400)		
	663.9 0.4 (1.4000)	681.9 0.2 (4.9100)	697.2 0.2 (46.5000)	709.1 0.2 (3.1600)	722.9 0.3 (1.6700)		
	809.9 0.1 (89.5000 5.9)	816.0 0.2 (8.5100)	900.6 0.1 (126.0000 4.9)	909.4 0.2 (3.7700)	911.9 0.2 (36.0000 4.9)		
	928.9 0.2 (11.6000 4.6)	967.7 0.2 (0.7280)	1002.5 0.2 (11.6000 5.3)	1022.3 0.2 (4.5600 7.7)	1039.1 0.5 (0.3070)		
	1041.0 0.4 (1.0700)	1090.5 0.2 (2.9000 6.1)	1093.4 0.1 (87.7000)	1112.8 0.2 (4.2100 6.3)	1115.3 0.2 (0.7980)		
	1124.8 0.3 (0.4390)	1184.2 0.2 (0.4470 5.8)	1202.0 0.4 (0.0965)	1205.0 0.4 (0.0526)	1288.9 0.4 (0.2460)		
	1322.4 0.4 (0.1010)	1386.9 0.3 (0.7810 5.0)	1397.1 0.3 (0.2110)	1402.1 0.3 (0.6050)	1435.8 0.4 (0.5090)		
	1465.8 0.4 (0.5970)	1470.1 0.4 (0.5790)	1477.8 0.7 (0.0351)	1488.7 0.2 (0.8770 8.0)	1542.4 0.3 (0.7900)		
	1569.6 0.9 (0.0158)	1577.0 0.7 (0.0535)	1583.6 0.2 (2.1900 4.0)	1602.2 0.4 (0.2460)	1608.3 0.9 (0.1490)		
	1621.6 0.3 (1.5400 7.4)	1669.8 0.4 (0.4650)	1724.2 0.8 (0.3510)	1812.3 0.6 (0.1050)	1914.3 0.8 (0.5090 8.6)		
	1994. 1. (0.0702)	2025. 1. (0.0570)	2083. 1. (0.1670)	2096. 1. (0.0439)			
LU 174M	76.9 0.5 (*****)	175.9 0.6 (13.0000)	272.9 0.4 (15.0000)	(R)	LU 174M IT =====> LU 174 * 140. D		
	365. 4. (*****)	620. 3. (*****)	991.7 0.6 (16.0000)		(P,N),		
	1241.5 1.0 (100.0000)	1264. 2. (0.4800)	1318. 2. (0.4200)				
LU 176M	88.35 (100.0000)	201.8 (0.0009)	936.4 (0.0011)	(R)	LU 176M E- =====> HF 176 3.69H	1.63E+01	
	957.4 (0.0002)	1061.6 (0.0045)	1138.3 (0.0013)		(N,G),		
	1159.3 (0.0083)	1204.8 (0.0005)	1226.7 (0.0007)				
	1247.7 (0.0001)						
LU 177M	55.15 0.02 (1.1700)	71.64 0.02 (0.8900)	105.35 0.02 (12.3000 8.5)	(A)	LU 177M E- =====> HF 177 155. D	2.41E-02	
	106.16 0.02 (0.1170)	112.951 0.002 (23.0000)	115.85 0.05 (0.7020)		(N,G),		
	117.02 0.05 (0.2500)	121.58 0.03 (7.0100 9.6)	128.48 0.02 (15.4000 5.4)				
	136.65 0.02 (1.6000)	145.64 0.08 (0.9500)	147.12 0.05 (3.4400)	153.26 0.03 (16.4000 9.4)	159.84 0.05 (0.6570)		
	171.84 0.06 (4.8000)	174.40 0.04 (12.7000 5.7)	177.04 0.06 (3.6500)	182. 1. (0.0976)	195.49 0.05 (0.9430)		
	204.05 0.05 (15.0000)	208.358 0.007 (63.0000)	214.42 0.06 (7.1000)	218.04 0.05 (3.7800)	228.45 0.05 (38.6000 9.8)		
	233.81 0.05 (5.3900)	249.66 0.05 (6.1000)	268.7 0.2 (3.4300)	281.78 0.06 (14.1000 9.7)	283.4 0.1 (0.6120)		
	291.5 0.1 (1.1200)	256.4 0.1 (5.7600)	299.0 0.1 (1.3300)	305.6 0.1 (1.7200)	313.68 0.08 (1.2600)		
	318.96 0.08 (10.1000)	321.3 0.1 (1.1900)	327.66 0.08 (17.6000)	341.65 0.08 (1.6800)	367.41 0.08 (2.9700)		
	378.50 0.08 (27.4000)	385.02 0.08 (3.3300)	413.7 0.1 (17.8000)	418.5 0.1 (21.2000)	426.3 0.1 (0.4430)		
	466.0 0.1 (2.5100)						
LU 177	71.64 0.02 (0.1000)	112.951 0.002 (4.2900)	208.358 0.007 (6.1400)	(A) YB 177 ==>	LU 177 E- =====> HF 177 6.74D	5.06E+01	
	249.66 0.05 (0.1100)	321.3 0.1 (0.1000)			(N,G),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
LU 180	69.0 0.2 (1.5800)	93.31 0.02 (13.2000)	215.24 0.02 (23.8000)	(A)	LU 180 $\xrightarrow{E-}$ HF 180 5.3 H (N,P),		
	316.50 0.03 (15.0000)	407.96 0.03 (45.2000)	464.4 0.8 (*****)				
	891.60 0.05 (0.5420)	983.3 0.5 (3.3400)	1065.2 0.8 (*****)				
	1066.9 0.2 (2.6200)	1106.9 0.2 (23.6000)	1198.9 0.4 (18.1000)	1200.2 0.5 (21.7000)	1219.2 0.5 (0.4520)		
	1230.8 0.5 (0.4520)	1282.5 0.5 (0.4520)	1299.5 0.5 (14.7000)	1316.1 0.7 (1.4500)	1434.1 0.4 (5.4200)		
	1446.1 0.5 (0.6780)	1514.9 0.4 (10.0000)	1874. 2. (*****)				
HF 170	100. 2. (25.0000)	123. 2. (100.0000)	162. 2. (89.5000)	(R)	HF 170 $\xrightarrow{EC}$ LU 170 * 12. H		
	207. 2. (18.2000)	347. 2. (18.6000)	482. 2. (6.3600)				
	540. 2. (5.9100)	572. 2. (45.5000)	620. 2. (56.4000)				
HF 171	100. 2. (7.1000)	113. 2. (3.7500)	123. 2. (50.0000)	(R)	HF 171 $\xrightarrow{EC}$ LU 171 * 12. H		
	137. 2. (23.5000)	144. 2. (5.7500)	147. 2. (5.7500)				
	192. 2. (6.6000)	269. 2. (8.6000)	295. 2. (35.0000)				
	305. 2. (5.7500)	347. 2. (40.0000)	469. 2. (42.0000)	662. 2. (76.0000)	1072. 2. (100.0000)		
HF 173	123. 2. (100.0000)	135. 2. (5.8000)	295. 2. (44.7000)	(R)	HF 173 $\xrightarrow{EC}$ LU 173 * 26.6 H		
	306. 2. (7.5900)	311. 2. (11.6000)					
HF 175	89.6 0.2 (3.6000)	113.8 (0.3500)	229.5 0.2 (0.8700)	(R)	HF 175 $\xrightarrow{EC}$ LU 175 70. D (N,G), (P,N), (D,2N),	6.57E-01	
HF 178M	88.8 (54.0000)	93.1 0.1 (14.0000)	213.6 0.1 (75.0000)	(A)	HF 178M $\xrightarrow{IT}$ HF 178 4.3 S (N,G),		
	325.7 0.1 (94.0000)	426.9 0.1 (97.0000)					
HF 179M	160.6 0.2 (4.9000)	214.3 0.2 (94.0000)		(A)	HF 179M $\xrightarrow{IT}$ HF 179 18.6 S (N,G),	1.24E+01	
HF 180M	57.54 0.03 (47.5000)	93.32 0.02 (16.7000)	215.25 0.01 (80.5000)	(A)	HF 180M $\xrightarrow{IT}$ HF 180 5.5 H (N,G),	4.26E-02	
	332.28 0.01 (93.0000)	443.17 0.01 (84.0000)	500.70 0.02 (12.6000)				
HF 181	133.06 0.09 (41.0000)	136.3 0.2 (6.9000)	345.9 0.1 (12.0000)	(A)	HF 181 $\xrightarrow{E-}$ TA 181 42.4 D (N,G),	4.05E+00	
	476. (1.7000)	482.2 0.2 (83.0000)	615. (0.2000)				
HF 182	97.89 0.01 (0.1000)	114.33 0.02 (3.3000)	156.09 0.02 (9.0000)	(R)	HF 182 $\xrightarrow{E-}$ TA 182 * 900.04E		
	172.5 0.1 (0.2400)	270.41 0.01 (100.0000)					

NUCL IDE	ENERGY (KEV) [INTENSITY]			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
HF 183	73.16 0.02 (38.0000)	84.69 0.06 (0.0300)	113.72 0.03 (0.1400)	(A)	HF 183 E- =====> TA 183 * 63. M (N,A),		
	124.1 0.2 (0.0250)	131.0 C.3 (0.0180)	139.0 0.2 (0.0250)				
	143.19 0.02 (0.4700)	149.1 0.2 (0.0190)	153.8 0.2 (0.0340)				
	157.9 0.2 (0.0330)	160.78 0.02 (0.5200)	165.2 0.2 (0.0360)	180.4 0.2 (0.0310)	223.4 0.2 (0.0780)		
	225. 1. (0.1500)	284.10 0.05 (0.3600)	295.21 0.08 (0.1700)	315.66 C.02 (1.2200)	375.8 0.2 (0.0880)		
	397.86 0.02 (2.9000)	459.07 0.02 (27.3000)	466.7 0.2 (0.0850)	471.1 0.2 (0.1600)	476.9 0.2 (0.7200)		
	481.31 0.05 (0.7000)	500.7 0.3 (0.0800)	536.8 0.2 (0.1500)	594.8 0.3 (0.2100)	686.5 0.1 (C.2400)		
	691.7 0.1 (0.3000)	715. 1. (0.0440)	717. 1. (0.0710)	727.3 0.3 (0.0590)	735.05 0.08 (0.8800)		
	762.9 0.3 (0.0650)	769.3 0.3 (0.1400)	783.73 0.03 (65.0000)	797.2 0.5 (0.0200)	806.5 0.2 (0.1400)		
	856.8 0.2 (0.1100)	868.5 0.2 (0.0400)	875.5 0.3 (0.0620)	960. 1. (0.0260)	987.1 0.3 (0.0400)		
	1045.5 0.3 (0.0700)	1112.7 0.3 (0.0400)	1470.2 0.1 (2.7000)	1543. 1. (0.0200)	1784.3 0.2 (0.0700)		
TA 173	162. 2. (66.7000)	172. 2. (100.0000)	181. 2. (18.5000)	(R)	TA 173 EC =====> HF 173 * 3.5 H		
	702. 2. (14.8000)						
TA 174	206.62 0.07 (61.2000)	310.82 0.06 (1.3100)	326.0 0.3 (0.3000)	(A)	TA 174 EC =====> HF 174 1.2 H		
	453.1 0.2 (0.2680)	511.006 0.002 (47.9000)	563.0 0.3 (0.1000)				
	602.9 0.1 (0.5050)	700.8 0.3 (0.3900)	717.0 0.3 (0.1000)				
	764.9 0.2 (1.2600)	801.5 0.3 (0.1200)	809.28 0.07 (0.8580)	835.1 0.3 (0.3500)	878.0 0.4 (0.1000)		
	888.0 0.4 (0.1000)	900.1 0.5 (0.4630)	916.0 0.5 (0.1000)	939.0 0.5 (0.1000)	971.4 0.1 (1.0600)		
	996.9 0.3 (0.3070)	1022.1 0.3 (0.1420)	1029.3 0.4 (0.3700)	1051.0 0.5 (0.1400)	1065.9 0.5 (0.1400)		
	1067.4 0.5 (0.2000)	1083.2 0.4 (0.3550)	1085.7 0.5 (0.4500)	1096.5 0.2 (0.2830)	1098.1 0.5 (0.2600)		
	1127.7 0.4 (0.6990)	1136.1 0.1 (0.7170)	1151.9 0.4 (0.9510)	1175.1 0.5 (0.1100)	1176.9 0.5 (0.5500)		
	1185. 1. (0.1800)	1205.87 0.07 (4.3400)	1208.1 0.3 (1.1300)	1212.4 0.3 (0.6320)	1227.1 0.4 (1.8000)		
	1245.2 0.2 (0.6210)	1303.7 0.3 (0.2550)	1305.7 0.5 (0.2100)	1307.3 0.5 (0.2100)	1331.6 0.5 (0.1800)		
	1348.0 0.5 (0.1000)	1358.1 0.3 (1.3300)	1359.4 0.2 (1.9800)	1361.0 0.4 (0.7470)	1378.4 0.4 (0.1000)		
	1390.0 0.5 (0.1000)	1397.0 0.5 (0.1000)	1404.1 0.6 (0.1700)	1407.7 0.5 (0.6800)	1411.2 0.6 (0.2300)		
	1432.6 0.6 (0.2100)	1460.1 0.6 (0.1500)	1482.4 0.6 (0.1400)	1533.3 0.6 (0.1200)	1564.7 0.6 (0.1100)		
	1574.4 0.6 (0.1700)	1599.4 0.6 (0.1400)	1630. 1. (0.4310)	1704.0 0.7 (0.1600)	1771.1 0.7 (0.2800)		
	1826. 1. (0.2180)	1935.2 0.7 (0.1100)	1939.5 0.4 (0.2710)	1942.9 0.7 (0.2100)	1944.5 0.7 (0.1200)		
	1948.1 0.7 (0.1000)	1952.6 0.7 (0.1100)	1970.5 0.7 (0.0700)	1973.4 0.7 (0.1200)	2002.0 0.7 (0.1000)		
	2007.8 0.7 (0.1000)	2030.8 0.8 (0.1300)	2035. 1. (0.1870)	2039.5 0.8 (0.1300)	2091.5 0.8 (0.2000)		
	2193.1 0.7 (0.2710)	2293.3 0.5 (0.1130)	2295.7 C.8 (0.1200)	2399.5 0.7 (0.2140)	2401.8 0.8 (0.1600)		
	2405.5 0.8 (0.1300)	2435.9 0.5 (0.2120)	2439.1 0.8 (0.1700)	2478. 1. (0.1540)	2495. 1. (0.1600)		
	2499.9 0.7 (0.2910)	2507. 1. (C.1600)	2787. 1. (0.1000)	2793. 1. (0.1000)	2885. 1. (0.1000)		
	2925. 1. (0.1000)	2945. 1. (0.1000)	2960. 1. (0.1000)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
TA 176	156.84 0.07 (0.3310 8.9)	158.19 0.07 (0.2150)	175.50 0.07 (0.4010)	(A)	TA 176 ^{EC} ====> HF 176 8. H		
	190.36 0.07 (0.3660 8.0)	201.84 0.06 (5.3100)	213.49 0.06 (0.3990)		(P,N),		
	239.62 0.06 (0.5120)	346.9 0.2 (0.1010 8.0)	380.5 0.2 (0.1160 8.0)				
	466.16 0.07 (0.9950 7.1)	473.21 0.07 (0.2460 8.0)	507.8 0.2 (1.2900 7.1)	511.006 0.002 (1.2500)	512.3 0.2 (0.3550 7.1)		
	532.5 0.1 (0.2130 7.1)	545.7 0.1 (0.2100)	546.5 0.1 (0.4720 8.0)	570.7 0.2 (0.4330)	571.30 0.09 (0.2360 8.0)		
	611.1 0.2 (1.1400 7.1)	616.81 0.2 (0.8860 7.1)	644.86 0.08 (0.8640 7.1)	677.10 0.2 (0.2990)	710.49 0.08 (4.6500 7.1)		
	819.5 0.1 (0.2310 8.0)	923.94 0.8 (0.6510 8.0)	936.42 0.08 (0.5270)	957.40 0.08 (0.3690)	1023.1 0.1 (2.3900 7.1)		
	1061.6 0.1 (0.6570)	1066.19 0.09 (0.5540 7.1)	1107.816 0.09 (0.2270 8.0)	1114.6 0.4 (0.4540 7.1)	1138.25 0.09 (0.5760 8.5)		
	1155.5 0.2 (0.5780 8.0)	1157.4 0.1 (3.1200 7.1)	1159.3 0.1 (21.8000 7.1)	1190.2 0.1 (3.5600 7.1)	1201.4 0.5 (0.3000)		
	1204.8 0.2 (0.3040 7.2)	1223.0 0.1 (1.7900 7.1)	1224.9 0.2 (5.0500 7.1)	1226.7 0.3 (0.3390 7.8)	1247.7 0.2 (0.4240)		
	1252.9 0.1 (0.2820)	1268.8 0.2 (1.1700 7.1)	1291.0 0.2 (1.2200 7.1)	1306.5 0.1 (0.1930 8.0)	1341.3 0.2 (2.9900 7.1)		
	1357.5 0.1 (1.8100 7.1)	1420.0 0.2 (0.3700)	1450.4 0.1 (0.3390)	1476.2 0.1 (0.4240 8.0)	1489.3 0.1 (0.6510 8.0)		
	1495.9 0.2 (0.1690 8.0)	1504.2 0.1 (0.6750 8.0)	1536.6 0.1 (0.3420 8.0)	1540.8 0.1 (0.2670)	1543.7 0.2 (0.2150 7.1)		
	1555.0 0.3 (3.5600 7.1)	1563.5 0.1 (0.1850)	1565.0 0.1 (0.3660)	1579.9 0.2 (0.2510 8.0)	1584.0 0.4 (4.8000 7.1)		
	1612.6 0.1 (0.1540 8.0)	1616.1 0.1 (1.1600 7.1)	1621.8 0.4 (0.4920 7.9)	1630.8 0.1 (1.5800 8.0)	1633.7 0.3 (2.5600 7.1)		
	1643.4 0.2 (2.0800 7.1)	1672.3 0.1 (1.1100)	1673.4 0.2 (0.4000 8.0)	1679.2 0.1 (1.0800 8.0)	1693.7 0.2 (0.4630 8.0)		
	1696.5 0.3 (4.2500 7.1)	1704.6 0.3 (1.2800 7.1)	1722.0 0.3 (2.9400 7.1)	1765.7 0.2 (0.4420)	1768.2 0.2 (0.1640 8.0)		
	1774.5 0.2 (1.4000 7.1)	1793.2 0.2 (0.1780 8.0)	1823.6 0.3 (4.0800 7.1)	1836.3 0.3 (0.1750)	1861.2 0.3 (0.2310 8.0)		
	1862.7 0.2 (3.5700 8.0)	1956.3 0.4 (0.7620 7.0)	1977.8 0.3 (0.7600 7.1)	2044.8 0.2 (1.2200 7.1)	2192.3 0.2 (0.2060 7.1)		
	2219.4 0.2 (0.2580 7.1)	2280.4 0.6 (0.1540 7.2)	2307.5 0.6 (0.1780 7.0)	2316.9 0.4 (0.2370)	2361.6 0.2 (0.1770 7.1)		
	2405.0 0.4 (0.4530 7.1)	2513.6 0.6 (0.6050 7.1)	2602.2 0.4 (0.3160 7.1)	2674.2 0.9 (0.1540)	2832.0 0.2 (3.8800 8.0)		
TA 178	151.3 0.1 (0.2300)	203.7 0.1 (0.3210)	204.1 0.2 (0.1840)	(R)	TA 178 ^{EC} ====> HF 178 9.3 H		
	213.39 0.06 (4.7400 4.8)	256.5 0.2 (0.1610)	269.4 0.1 (1.0700 5.4)				
	511.006 0.002 (100.0000	790.02 0.05 (2.5500 5.2)	1081.52 0.07 (0.8560 5.7)				
	1106.11 0.07 (25.4000 4.4)	1174.63 0.07 (0.7500 9.1)	1183.40 0.07 (7.9200 5.1)	1189.5 0.1 (1.3000 4.0)	1199.2 0.1 (*****)		
	1216.8 0.1 (0.3170 6.5)	1254.7 0.1 (1.6500 4.8)	1269.23 0.08 (1.4000 5.0)	1276.56 0.08 (1.6000 4.7)	1309.90 0.08 (1.9700 4.9)		
	1340.84 0.09 (48.8000 4.4)	1350.55 0.09 (56.0000 4.3)	1402.87 0.09 (22.9000 4.3)	1420.5 0.1 (0.8800 3.4)	1468.1 0.1 (2.6900 3.1)		
	1473.3 0.1 (0.1490 8.3)	1496.1 0.1 (12.9000 4.4)	1513.6 0.1 (0.2160 6.1)	1561.3 0.1 (0.5000 5.5)	1678.8 0.2 (0.1610)		
TA 180M	93.3 0.2 (4.0000)	103.5 0.2 (0.6000)		(A)	TA 180M ^{EC} ====> HF 180 8.1 H (N,2N),(D,2N),		
TA 182M	146.79 0.01 (38.0000)	171.585 0.01 (40.0000)	184.951 0.01 (22.0000)	(A)	TA 182M ^{IT} ====> TA 182 * 7.19E-03 16.2 H (N,G),		
	318.401 0.04 (5.0000)	356.468 0.07 (0.3000)					

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (C/G)	FISS-Y. (U 235)
TA 182	65.7 0.2 (2.8300 3.6)	67.750 0.001 (41.7000 3.6)	84.679 0.002 (2.9700 3.6)	(A)	TA 182 E- =====> W 182 115.1 D (N,G),	1.89E+01	
	100.105 0.001 (14.2000 3.6)	113.671 0.002 (1.9100 3.6)	116.416 0.003 (0.4600 3.6)				
	152.432 0.002 (7.2900 3.6)	156.389 0.004 (2.9700 3.6)	179.392 0.005 (3.2600 3.6)				
	198.353 0.005 (1.4200 3.6)	222.104 0.005 (7.6500 3.6)	229.317 0.008 (3.4000 3.6)	264.668 0.009 (3.5400 3.6)	891.98 0.02 (0.0509)		
	928.00 0.02 (0.6070 5.1)	959.73 0.02 (0.3460 5.9)	1001.69 0.02 (2.0300 5.1)	1044.41 0.02 (0.2340)	1113.40 0.05 (0.3830 8.8)		
	1121.29 0.01 (33.9000 1.0)	1157.31 0.01 (0.6240)	1158.08 0.02 (0.3360)	1189.04 0.01 (16.1000 1.5)	1221.40 0.01 (26.9000 1.6)		
	1231.01 0.01 (11.3000 1.6)	1257.41 0.01 (1.4700 1.7)	1273.72 0.01 (0.6450 2.2)	1289.14 0.01 (1.3700 1.8)	1342.71 0.05 (0.2540 2.7)		
	1373.83 0.01 (0.2240 3.1)	1387.40 0.01 (0.0736 4.6)	1410.1 0.1 (0.0397 6.9)	1453.12 0.01 (0.0417 8.1)			
TA 183	46.484 0.002 (5.4600)	52.596 0.002 (5.4600)	82.918 0.002 (0.3500)	(A)	TA 183 E- =====> W 183 5.1 D (N,G),		
	84.711 0.002 (1.2700)	99.079 0.002 (6.7000)	101.94 0.02 (0.3000)				
	102.49 0.02 (0.1300)	103.14 0.02 (0.0870)	105.44 0.07 (*****)				
	107.931 0.002 (10.9000)	109.73 0.02 (0.5900)	111.90 0.04 (*****)	120.38 0.02 (0.0570)	123.31 0.06 (*****)		
	142.25 0.03 (0.3500)	144.125 0.003 (2.3600)	160.53 0.04 (2.7500)	161.36 0.04 (8.6800)	162.33 0.04 (4.7000)		
	192.643 0.006 (0.3400)	203.25 0.06 (0.3700)	205.06 0.06 (0.8400)	208.81 0.07 (0.5700)	209.87 0.07 (4.2000)		
	210.3 0.1 (*****)	244.26 0.09 (7.9400)	246.05 0.09 (24.8000)	291.719 0.008 (3.5000)	313.0 0.2 (6.7000)		
	353.993 0.007 (10.7000)	365.609 0.008 (0.5000)	394.2 0.3 (*****)	406.583 0.008 (0.4700)			
TA 186	91.0 0.5 (3.7000)	92.7 0.3 (2.8000)	122.3 0.1 (50.0000)	(R)	TA 186 E- =====> W 186 10. M (N,P),		
	183.2 0.1 (6.0000)	184.2 0.3 (1.0000)	195.0 0.1 (1.5000)				
	197.9 0.1 (100.0000)	214.9 0.1 (84.5000 3.6)	268.8 0.2 (1.6000)				
	274.2 0.1 (13.5000 3.7)	277.0 0.1 (2.5000)	292.5 0.5 (6.9000)	293.7 0.5 (1.0000)	307.5 0.1 (19.3000 5.2)		
	309.2 0.1 (4.5000)	315.6 0.2 (3.0000)	327.2 0.5 (1.5000)	339. 1. (1.0000)	341. 1. (0.5000)		
	383.8 0.5 (1.0000)	402. 1. (1.5000)	412.0 0.2 (1.0000)	417.7 0.2 (25.0000 8.0)	440. 1. (1.6000)		
	442. 1. (1.6000)	448. 1. (1.0000)	457. 1. (4.3000)	465.0 0.5 (2.2000)	488. 2. (1.0000)		
	510.6 0.5 (75.0000 6.7)	541.4 0.5 (0.5000)	546.3 0.5 (1.0000)	567.2 0.3 (6.7000)	583.2 0.2 (2.2000)		
	596.5 0.5 (0.5000)	601.0 0.5 (1.0000)	610.5 0.2 (6.8000 7.4)	615.3 0.1 (56.0000 3.6)	618.3 0.3 (1.0000)		
	635.0 0.5 (1.0000)	642. 1. (0.7000)	647. 1. (0.3000)	649.5 0.5 (0.3000)	654.9 0.5 (3.0000)		
	703. 1. (1.0000)	707. 1. (2.0000)	709. 1. (2.0000)	726.0 0.5 (2.0000)	737.5 0.3 (58.0000 6.9)		
	739.2 0.3 (20.0000)	740.5 0.5 (4.0000)	745. 1. (0.5000)	759.4 0.5 (3.5000)	799.8 0.5 (4.8000)		
	814.0 0.5 (0.5000)	823.0 0.5 (0.5000)	830.0 0.5 (3.0000)	869.5 0.5 (0.5000)	884. 1. (3.9000)		
	893. 1. (1.5000)	909. 1. (1.0000)	923. 1. (2.3000)	935. 1. (1.3000)	937. 1. (0.5000)		
	948. 1. (0.5000)	952.5 0.5 (1.0000)	1046. 1. (0.5000)	1093. 1. (1.0000)	1125. 2. (1.0000)		
	1162. 1. (0.5000)	1175. 2. (0.5000)	1200. 1. (0.5000)	1210. 2. (0.5000)	1213. 2. (0.4000)		
	1224.62 (0.5000)	1231. 2. (0.3000)	1238. 2. (0.4000)	1248. 2. (1.0000)	1284. 2. (0.5000)		
	1298. 2. (0.5000)	1310. 2. (0.5000)	1322. 2. (0.6000)	1398. 1. (0.8000)	1409. 1. (1.0000)		
	1429. 1. (0.5000)	1485. 2. (0.5000)	1520. 2. (0.5000)				
W 181	136.1 0.1 (0.0364)	152.0 0.1 (0.0850)		(A)	W 181 EC =====> TA 181 121.6 D (N,G),	1.23E-03	

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
W 183M	46.48 (8.0000)	52.50 (11.0000)	99.08 (9.0000)	(A)	W 183M $\xrightarrow{IT}$ W 183 5.6 S (N, G),		
	102.48 (4.0000)	107.93 (19.0000)	160.53 (6.0000)				
W 185M	42.7 0.5 (2.0000)	66.1 0.2 (100.0000)	94.3 0.3 (1.6000)	(R)	W 185M $\xrightarrow{IT}$ W 185 1.7 H (N, G),	2.71E-03	
	107.7 0.3 (5.3000 9.4)	122.1 0.3 (1.6000)	131.7 0.2 (66.0000 6.1)				
	164.5 0.3 (9.9000)	173.8 0.2 (58.0000 6.9)	188.1 0.2 (14.5000 9.7)				
W 185	125.5 0.1 (0.0166)			(A) TA 185 ==>	W 185 $\xrightarrow{E-}$ RE 185 75. D (N, G),	4.88E-01	
W 187	35.60 0.05 (*****)	71.99 0.03 (11.0000)	96.44 0.09 (*****)	(A)	W 187 $\xrightarrow{E-}$ RE 187 23.9 H (N, G),	9.56E+00	
	106.57 0.04 (*****)	113.73 0.06 (0.0900)	134.247 0.007 (10.1000)				
	138.32 0.05 (*****)	143.88 0.07 (*****)	151.5 0.6 (*****)				
	167.99 0.07 (*****)	173.31 0.09 (*****)	188.9 0.1 (*****)	197.30 0.03 (*****)	201.14 0.04 (*****)		
	206.24 0.02 (0.1500)	211.64 0.05 (*****)	220.7 0.2 (*****)	223.1 0.2 (*****)	225.6 0.3 (*****)		
	239.20 0.02 (0.0900)	246.28 0.04 (0.1400)	252.2 0.3 (*****)	302.2 0.4 (*****)	437.5 0.5 (*****)		
	466.9 0.3 (*****)	473.8 0.3 (*****)	478.2 0.3 (*****)	479.58 0.05 (26.6000)	511.7 0.1 (0.7700)		
	529.6 0.3 (*****)	551.52 0.04 (6.0000)	588.96 0.06 (*****)	601.2 0.4 (*****)	618.3 0.2 (7.4000)		
	625.6 0.2 (1.2500)	685.74 0.05 (32.0000)	745.23 0.2 (0.3400)	772.51 0.06 (4.8000)	864.8 0.3 (0.4000)		
	879.6 0.2 (0.2800)						
W 188	63.58 0.03 (27.0000)	85.31 0.06 (0.6000)	105.85 0.07 (0.3000)	(R)	W 188 $\xrightarrow{E-}$ RE 188 * 69.4 D (N, G),		
	141.78 0.03 (1.6000)	169.4 0.5 (*****)	205.3 0.5 (*****)				
	207.86 0.04 (2.0000)	227.09 0.02 (55.0000 3.6)	290.67 0.02 (100.0000 3.0)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
RE 181	19.7 (0.2000)	43.5 (1.3000)	65.0 (5.1000)	(R)	RE 181 ^{EC} =====> 19. H W 181 *		
	71.7 (0.2200)	72.7 (0.3400)	93.7 (0.2000)				
	102.7 (0.3900)	103.1 (0.2600)	109.9 (3.3000)				
	110.3 (1.6000)	113.3 (0.7200)	125.8 (0.1800)	144.3 (0.6000)	154.4 (0.3300)		
	163.9 (0.2200)	164.6 (0.2200)	165.8 (0.2200)	167.2 (0.1700)	175.2 (0.3000)		
	177.5 (2.9000)	186.2 (0.2700)	195.0 (0.3100)	197.0 (0.9600)	201.0 (0.3300)		
	252.2 (1.7000)	262.6 (0.3800)	276.4 (1.1000)	278.1 (0.2900)	296.0 (0.3700)		
	318.6 (2.0000)	331.9 (2.4000)	350.4 (0.6200)	353.6 (2.0000)	356.1 (3.0000)		
	360.7 (21.0000)	365.5 (100.0000)	376.8 (0.2300)	382.3 (0.4700)	398.0 (1.1000)		
	409.0 (0.4300)	412.3 (1.8000)	475.6 (1.8000)	487.1 (1.2000)	489.0 (1.3000)		
	515.7 (0.2900)	522.1 (0.4100)	524.4 (0.3400)	544.8 (0.5100)	557.8 (3.8000)		
	570.1 (0.8100)	587.4 (1.2000)	632.7 (0.2900)	639.0 (11.0000)	643.9 (1.0000)		
	651.2 (1.8000)	659.2 (0.4100)	661.8 (5.2000)	668.2 (0.5500)	693.9 (0.4300)		
	699.9 (0.2400)	719.9 (0.2400)	738.0 (0.5200)	769.7 (0.2800)	803.6 (2.6000)		
	805.2 (5.5000)	817.5 (0.2400)	822.7 (0.2900)	826.7 (0.3000)	835.7 (0.8100)		
	840.4 (0.5000)	848.5 (0.2400)	854.4 (0.3300)	862.7 (0.3000)	877.2 (0.8000)		
	879.8 (0.9000)	883.2 (0.4600)	889.5 (0.2100)	907.4 (1.8000)	946.9 (0.3900)		
	953.6 (6.3000)	965.1 (0.3700)	973.2 (0.2300)	980.7 (0.3300)	989.4 (1.6000)		
	993.7 (0.5200)	1000.2 (5.9000)	1009.4 (4.3000)	1057.1 (0.5200)	1068.3 (0.2700)		
	1075.6 (1.8000)	1086.6 (1.0000)	1103.5 (1.2000)	1132.3 (0.3900)	1172.3 (0.3400)		
	1200.8 (0.3500)	1384.2 (0.4100)	1440.7 (3.4000)	1469.2 (1.4000)	1538.0 (0.3400)		
RE 184H	216.4 0.3 (11.3000)	317.6 0.3 (8.1000)	384.0 0.5 (4.0500)	(R)	RE 184H ^{IT} =====> 165. D RE 184 *		
	536.5 1.0 (4.9000)	920.9 0.2 (100.0000)	1110.2 0.2 (0.6500)		(N,2N), (A,N),		
	1174.1 0.3 (1.1000)						
RE 184	111.1 0.2 (18.3000)	227. 1. (0.0305)	252.7 0.2 (2.6700)	(A)	RE 184 ^{EC} =====> 38. D W 184		
	483. 1. (0.0114)	539.2 0.5 (0.2780)	641.8 0.2 (1.9800 5.7)		(N,2N), (A,N),		
	757.2 0.5 (0.0686)	769.7 0.2 (0.6860)	791.9 0.2 (37.7000 5.3)				
	894.5 0.3 (16.4000)	903.0 0.2 (38.1000 5.2)	1010.2 0.3 (0.0876 8.8)	1022.6 0.2 (0.5330)	1121.1 0.5 (0.0229)		
	1275.1 0.2 (0.1140)	1313.7 0.3 (0.0114)	1386.4 0.2 (0.0991)				
RE 186	122.6 0.2 (0.6500)	137.0 0.2 (9.0000)	641.5 0.2 (0.0320)	(A)	RE 186 ^{E-} =====> 90.6 H OS 186 3.40E+01		
	769. (0.0350)				(N,G),		
RE 188H	63.58 (0.1500)	92.45 (4.8000)	105.96 (10.2000)	(A)	RE 188H ^{IT} =====> 18.6 H RE 188 * 1.10E+00		
	156.03 (0.5800)	169.54 (0.0970)			(N,G),		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
RE 188	155.03 0.03 (10.0000)	208.7 0.1 (0.0140)	220.1 0.2 (0.0200)	(A)	RE 188 ^{E-} =====> OS 188 16.98H (N,G),	3.91E+01	
	288.5 0.2 (0.0740)	375.2 0.3 (0.0052)	444.2 0.5 (0.0400)				
	452.8 0.3 (0.0460)	478.07 0.04 (0.6700)	480.0 0.6 (0.0340)				
	497.3 0.4 (0.0640)	516.9 0.4 (0.0300)	607.2 0.8 (0.0590)	633.07 0.05 (0.9900)	652.3 0.5 (0.0370)		
	664.2 0.4 (0.0330)	672.5 0.2 (0.0900)	789.4 0.5 (0.0210)	824.8 0.5 (0.0200)	828.9 0.5 (0.2900)		
	931.0 0.2 (0.4000)	1018.6 0.4 (0.0120)	1117.2 1.1 (0.0040)	1132.4 0.5 (0.0690)	1151.1 1.0 (0.0240)		
	1175.0 0.3 (0.0150)	1191.9 0.5 (0.0100)	1231.0 0.5 (0.0038)	1307.3 0.1 (0.0490)	1323.1 0.7 (0.0100)		
	1457.7 0.3 (0.0150)	1461.3 1.2 (0.0040)	1610.4 0.3 (0.0730)	1653.2 0.5 (0.0030)	1669.9 0.5 (0.0050)		
	1732.4 0.5 (0.0080)	1785.9 0.4 (0.0170)	1802.4 0.3 (0.0280)	1866.1 0.4 (0.0042)	1939.9 1.0 (0.0018)		
	1957.3 0.3 (0.0120)	2021.2 0.5 (0.0006)					
OS 182	55.5 0.5 (18.0000)	110.6 0.5 (0.6000)	115.9 0.5 (1.6000)	(R)	OS 182 ^{EC} =====> RE 182 * 21. H		
	130.8 0.5 (6.5000)	136.9 0.5 (0.2000)	143.5 0.5 (0.0750)				
	172.4 0.5 (0.7000)	174.9 0.5 (0.7000)	180.2 0.5 (68.0000)				
	190. 1. (0.2000)	202.4 0.5 (0.1400)	208. 1. (0.0800)	216.9 0.5 (1.5000)	223. 1. (0.2000)		
	235.7 0.5 (1.4000)	241.4 0.5 (1.9000)	246.6 0.5 (1.1000)	263.2 0.5 (13.5000)	274.3 0.5 (3.4000)		
	286.3 0.5 (0.1200)	315.3 0.5 (0.0800)	373. 1. (0.0700)	379.2 0.5 (1.8000)	438. 1. (0.1200)		
	454.5 0.5 (0.6000)	459. 1. (0.0400)	486. 1. (0.0900)	494. 1. (0.4000)	498.8 0.5 (0.9000)		
	509.9 0.5 (100.0000)	554.2 0.5 (0.6000)	560. 1. (0.2500)	632. 1. (0.0300)			
OS 183H	126.2 0.1 (0.3800)	147.00 0.06 (1.0100)	163.2 0.1 (0.2530)	(R)	OS 183H ^{EC} =====> RE 183 * 10. H		
	230. 1. (1.1400)	245.7 0.1 (0.7600)	251.7 0.1 (0.7600)				
	273. 1. (0.2530)	400. 1. (1.5200)	484.7 0.2 (3.1700)				
	586. 1. (0.3800)	762. 1. (0.2530)	796. 1. (1.0100)	803. 1. (0.6330)	840. 1. (1.0100)		
	878.4 0.7 (3.1700)	885. 1. (0.4430)	926. 1. (0.5060)	954.8 0.8 (2.1500)	1027. 1. (0.1900)		
	1034.8 0.5 (12.7000)	1041.3 0.7 (0.8860)	1102.1 0.6 (100.0000)	1108. 0.6 (45.6000)	1168. 1. (0.1900)		
	1228. 1. (0.0633)	1314. 1. (0.0886)	1341. 1. (0.1270)	1354. 1. (0.3040)	1626. 1. (0.1650)		
	1642. 1. (0.0760)	1650. 1. (0.0760)	1680. 2. (0.0760)	1707. 2. (0.0886)	1725. 2. (0.0760)		
	1787. 2. (0.1010)	1806. 2. (0.1650)	1826. 2. (0.1010)	1904. 2. (0.3540)	1920. 2. (0.0886)		
OS 183	114.43 0.04 (27.0000)	145.43 0.04 (1.9000)	151.00 0.05 (0.4000)	(R)	OS 183 ^{EC} =====> RE 183 * 14. H		
	167.90 0.06 (10.0000)	175. 1. (0.7000)	197.2 0.1 (0.1600)				
	236.3 0.1 (2.9000)	259.9 0.1 (0.3000)	306. 1. (0.2000)				
	338. 1. (0.2000)	355.5 0.2 (0.6500)	381.8 0.2 (100.0000)	397. 1. (0.2000)	404. 1. (0.2000)		
	477.2 0.2 (0.2500)	496.1 0.2 (0.7000)	640. 1. (0.2000)	736.5 0.3 (0.4000)	807.8 0.3 (0.5000)		
	851.0 0.3 (5.0000)	887.5 0.4 (0.7000)	889.5 0.4 (0.7000)	1057.8 0.8 (0.6000)	1083. 1. (0.1600)		
	1091. 1. (0.1600)	1162.7 0.8 (1.5000)	1266. 1. (0.1300)	1285.6 0.8 (0.2300)	1294. 1. (0.1300)		
	1350. 1. (0.1100)	1366. 1. (0.0600)	1405. 1. (0.0500)	1412. 1. (0.1800)	1440. 1. (0.7000)		
	1453. 1. (0.0800)	1463. 1. (0.0300)	1534. 1. (0.3000)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/PEL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.V. (U 235)
OS 185	71.3 0.8 (*****)	125.2 0.2 (0.4300)	162.7 0.2 (0.6300)	(A)	OS 185 ^{EC} =====> RE 185 94. D (N,G),(D,2N),	3.08E-02	
	234.2 0.3 (0.4700)	592.07 0.01 (1.3000)	646.11 0.02 (78.2000)				
	717.42 0.02 (4.2000)	806. (0.0023)	836. (0.0016)				
	874.81 0.02 (6.3000)	880.27 0.02 (5.2000)	931.1 0.4 (0.0490)				
OS 190M	186.7 0.2 (70.0000)	361.2 0.2 (94.0000)	503. (98.0000)	(A)	OS 190M ^{IT} =====> OS 190 9.9 H (N,G),	3.58E-03	
	510. (*****)	616.4 0.2 (99.0000)					
CS 191	129.4 0.2 (28.0000)			(A)	OS 191 ^{E-} =====> IR 191H* 15. D (N,G),	8.81E-01	
OS 193	41.18 0.07 (0.0003 5.5)	65.87 0.06 (0.0020 5.6)	73.039 0.009 (1.7100)	(A)	OS 193 ^{E-} =====> IR 193 31. H (N,G),	5.61E-01	
	88.70 0.09 (0.0134)	96.84 0.04 (0.0818 4.8)	98.77 0.06 (0.0132 5.7)				
	107.01 0.01 (0.4690 9.5)	136. 1. (0.0003)	138.92 0.02 (3.4100 3.6)				
	142.13 0.02 (0.0537)	154.74 0.03 (0.0220 9.6)	180.05 0.05 (0.1480 8.5)		181.83 0.03 (0.1560 8.1)	197.4 0.2 (0.0038)	
	201.5 0.3 (0.0022)	219.13 0.05 (0.2230 8.2)	234.58 0.05 (0.0403 8.1)		251.63 0.04 (0.1770 6.2)	280.45 0.02 (1.0400 5.0)	
	288.81 0.06 (0.1220 7.2)	298.82 0.05 (0.1550 6.3)	317. 1. (0.0008)		321.59 0.02 (1.0700 5.9)	333.2 0.2 (0.0015)	
	337.7 0.5 (0.0010)	350.2 0.2 (0.0055)	357.7 0.2 (0.0083)		361.83 0.05 (0.2230 6.2)	377.34 0.09 (0.0568 8.8)	
	378.8 0.5 (0.0014)	379.1 0.2 (0.0111)	387.48 0.03 (0.9950 5.2)		413.9 0.2 (0.0037)	418.35 0.08 (0.0439)	
	420.29 0.06 (0.1300 6.8)	440.95 0.05 (0.0735 6.4)	460.50 0.03 (3.2100 3.6)		484.25 0.05 (0.1430 6.7)	486.1 0.2 (0.0092)	
	512.3 0.3 (0.0013)	515.0 0.1 (0.0105)	516.3 0.4 (0.0019)		525.0 0.1 (0.0129 8.9)	532.04 0.07 (0.0688 6.5)	
	557.36 0.08 (1.0500 9.9)	559.25 0.07 (0.4210)	573.34 0.09 (0.0164 8.3)		598.3 0.2 (0.0006)	635.13 0.09 (0.0065)	
	667.0 0.4 (0.0010)	668.3 0.3 (0.0006)	695.16 0.09 (0.0025)		709.5 0.2 (0.0016)	712.10 0.09 (0.0146)	
	735.4 0.2 (0.9310)	775.9 0.3 (0.0003)	777.4 0.4 (0.0020)		778.5 0.2 (0.0013)	784.2 0.2 (0.0006)	
	800.9 0.3 (0.0003)	848.9 0.2 (0.0037)	874.3 0.1 (0.0173)		891.2 0.2 (0.0024)		
IR 181	93.0 0.7 (49.0000)	108.0 0.6 (192.0000)	185.3 0.7 (61.0000)	(R)	IR 181 ^{E-} =====> OS 181 * 5. H		
	227.7 0.6 (114.0000)	232.6 0.7 (69.0000)	309.0 0.7 (37.0000)				
	319.0 0.7 (100.0000)	352. 1. (5.0000)	700.6 0.8 (34.0000)				
	873.0 0.8 (18.0000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
IR 182	127.2 0.3 (80.0000)	136.3 0.3 (1.1600)	142.6 0.2 (2.1800 4.5)	(R)	IR 182 EC =====> OS 182 * 15. H		
	154.8 0.2 (1.6800 5.8)	166.1 0.4 (1.4800 6.1)	180.0 0.6 (2.6000 7.6)				
	197.2 0.2 (1.0000)	228.1 0.3 (1.5300)	236.2 0.3 (14.0000)				
	252.0 0.3 (2.0500 7.3)	264.5 0.4 (1.4400)	273.0 0.2 (100.0000)	281.7 0.4 (1.1000 8.1)	289.1 0.3 (2.4700 3.9)		
	295.3 0.3 (1.5200)	306.8 0.2 (0.6500)	335.5 0.6 (2.7200 5.8)	343.3 0.3 (2.8400 5.0)	351.6 0.2 (0.7600)		
	393.1 0.2 (7.1400 9.2)	357.0 0.7 (2.4000 8.3)	400.1 0.3 (2.0800)	405.0 0.5 (0.8000)	415.4 0.3 (1.2000 8.3)		
	430.0 0.4 (2.7000 3.5)	432.8 0.4 (2.1800 4.4)	464.8 0.4 (0.9500)	484.0 0.8 (0.9000)	492. 1. (0.4000)		
	498.0 0.4 (1.6000)	545.7 0.4 (0.7000)	549.3 0.3 (0.8400)	559.0 0.9 (0.4000)	581.3 0.4 (1.5200 8.7)		
	602.3 0.3 (0.9900 9.6)	631.9 0.4 (1.9300 7.7)	638.6 0.4 (2.3400 5.1)	647.4 0.5 (1.7800 5.0)	690.2 0.2 (0.8600)		
	747.1 0.2 (0.8840)	749.3 0.8 (1.3000)	764.0 0.4 (12.5000 5.7)	779.9 0.3 (1.5900 5.6)	790.1 0.2 (7.3300 3.9)		
	837.8 0.3 (1.0400)	890.9 0.2 (13.5000 4.6)	912.3 0.2 (20.7000 6.1)	932.5 0.2 (0.8000)	938.9 0.2 (2.4100)		
	953. 1. (1.4000)	977.1 0.2 (1.4400 6.2)	999.2 0.3 (3.4300 7.0)	1033.0 0.3 (2.0600 8.7)	1063.5 0.3 (5.0900 5.7)		
	1110.8 0.4 (1.1400 7.9)	1118.0 0.6 (5.9000)	1121.4 0.3 (1.0000)	1130.3 0.5 (1.3000 7.7)	1158.0 0.8 (2.6000)		
	1160.2 0.4 (2.4300)	1217.7 0.5 (3.3300 5.0)	1227.1 0.3 (1.1500)	1251.7 0.4 (3.6300)	1266.0 0.4 (3.2600)		
	1375.0 0.6 (2.4000)	1546.0 0.6 (2.7000)	1549. 1. (1.4000)	1652.0 0.6 (5.8000)			
IR 184	114.7 0.3 (1.2000)	120.2 0.4 (45.0000 8.9)	184.1 0.1 (1.4000 7.1)	(R)	IR 184 EC =====> OS 184 3.2 H		
	187.2 0.1 (2.3000 8.7)	213.0 0.1 (3.0000)	219.7 0.4 (1.4000 7.1)				
	264.3 0.3 (100.0000 5.0)	283.0 0.3 (0.4000)	325.8 0.1 (1.5000 6.7)				
	327.3 0.1 (2.8000 3.6)	335.5 0.1 (1.1000 9.1)	338.0 0.1 (1.0000)	349.0 0.3 (0.7000)	365.0 0.4 (1.8000)		
	382.8 0.5 (1.9000)	384.5 0.2 (2.6000 7.7)	390.6 0.2 (38.5000)	395.2 0.3 (1.6000)	406.8 0.1 (1.6000 6.3)		
	488.5 0.3 (1.2000 8.3)	493.2 0.3 (8.8000 9.1)	500.8 0.3 (1.4000 7.1)	502.7 0.3 (5.0000 2.0)	539.6 0.3 (8.6000)		
	550.6 0.3 (1.3000 7.7)	601.3 0.4 (5.3000)	611.3 0.3 (1.4000 7.1)	613.8 0.3 (2.5000 4.0)	626.5 0.3 (4.1000)		
	654.3 0.3 (2.2000)	658.0 0.3 (1.2000 8.3)	667.9 0.3 (1.0000)	682.3 0.3 (1.2000 8.3)	691.6 0.2 (1.0000)		
	697.0 0.4 (2.1000)	767.2 0.4 (1.4000)	778.2 0.4 (1.2000)	815.1 0.3 (1.1000 9.1)	823.3 0.3 (5.4000 5.6)		
	826.0 0.3 (1.5000 6.7)	841.0 0.4 (12.0000)	943.3 0.3 (9.4000 6.4)	953.4 0.3 (1.5000 6.7)	961.1 0.4 (19.0000)		
	1043.9 0.4 (8.6000)	1062.4 0.3 (5.5000 9.1)	1066.3 0.3 (2.8000 3.6)	1105.0 0.5 (9.5000)	1116.6 0.4 (1.9000)		
	1142.3 0.5 (1.4000 7.1)	1154.5 0.3 (1.3000 7.7)	1160.3 0.3 (1.3000)	1228.9 0.5 (1.8000)	1236.5 0.5 (3.1000)		
	1247.7 0.4 (3.8000)	1324.6 0.3 (2.5000)	1334.2 0.4 (3.7000)	1380.6 0.4 (1.0000)	1452.3 0.4 (1.5000 6.7)		
	1457.7 0.4 (3.0000)	1515.1 0.4 (1.1000 9.1)	1578.0 0.3 (1.0000)	1607.7 0.4 (0.7000)	1626. 0.4 (1.4000)		
	1672.5 0.4 (5.2000 3.9)	2063.3 0.6 (6.6000 6.1)					
IR 185	90.3 0.2 (9.8000)	94.6 0.2 (3.0000)	97.3 0.2 (31.7000)	(R)	IR 185 EC =====> OS 185 * 14. H		
	100.6 0.2 (18.3000)	119.8 0.2 (0.4000)	127.3 0.2 (11.4000)				
	142.1 0.2 (0.3000)	153.5 0.2 (15.2000)	158.2 0.2 (18.1000)				
	160.7 0.2 (13.2000)	185.0 0.2 (6.5000)	188.7 0.2 (0.9000)	220.4 0.2 (8.8000)	222.3 0.2 (12.6000)		
	223.8 0.2 (15.9000)	254.2 0.2 (100.0000)	282.5 0.2 (1.3000)	300.2 0.2 (4.9000)	314.1 0.2 (6.8000)		
	321.4 0.2 (2.1000)	377.6 0.2 (1.6000)	398.5 0.2 (2.4000)	406.9 0.2 (3.4000)	418.8 0.2 (2.0000)		
	507.0 0.2 (5.1000)	513.1 0.2 (6.9000)	539.2 0.2 (9.8000)	550.4 0.2 (8.8000)	627.2 0.2 (4.2000)		
	638.5 0.2 (2.2000)	646.2 0.2 (9.3000)	666.1 0.2 (3.8000)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
IR 186H	137.1 0.2 (100.0000)	296.9 0.2 (46.0000)	511.006 0.002 (++++++)	(R)	IR 186H ^{EC} =====> OS 186 1.7 H		
	630.3 0.4 (62.0000)	636.2 0.4 (22.0000)	712.4 0.4 (20.0000)				
	767.3 0.4 (67.0000)	773.1 0.4 (40.0000)	987.1 0.7 (30.0000)				
IR 186	137.1 0.2 (3.1000 9.5)	142.8 0.3 (0.4150)	145.9 0.3 (0.4150)	(R)	IR 186 ^{EC} =====> OS 186 15. H		
	160.0 0.3 (0.1380)	207.8 0.4 (1.0200)	252.7 0.2 (0.4150)				
	276.7 0.2 (2.4000)	256.9 0.2 (100.0000)	302.7 0.3 (0.6910)				
	309.8 0.3 (0.5070)	330.0 0.3 (0.4150)	351.7 0.3 (2.6300)	365.2 0.2 (1.0600)	388.1 0.3 (0.0918)		
	403.2 0.3 (0.1850)	406.4 0.3 (0.1850)	420.6 0.3 (3.8300)	434.6 0.2 (46.1000 6.5)	441.4 0.3 (2.1200)		
	446.5 0.3 (0.2770)	476.4 0.4 (0.8760)	489.3 0.3 (1.6100)	542.2 0.3 (0.2770)	551.6 0.4 (0.5070)		
	558.0 0.2 (0.7830)	584.4 0.2 (6.7300)	622.3 0.5 (4.0100)	630.3 0.4 (6.2200 4.5)	636.2 0.4 (7.7000 3.6)		
	649.4 0.6 (1.8900 9.8)	662.4 0.4 (0.5990)	705.1 0.3 (1.2000 7.7)	712.4 0.3 (1.8900 9.8)	730.8 0.4 (1.5200)		
	760.0 0.4 (1.2000 7.7)	767.3 0.4 (7.1900 5.8)	773.1 0.4 (13.1000)	782.7 0.4 (0.7830)	805.3 0.4 (1.1100)		
	841.5 0.4 (5.9900 3.1)	906.2 0.4 (0.5070)	923.4 0.5 (0.6910)	933.2 0.4 (6.7300 7.6)	943.6 0.3 (0.8760)		
	987.1 0.4 (0.5070)	1010.5 0.3 (0.7380)	1057.1 0.2 (3.4100 5.4)	1080.9 0.4 (1.0200 9.1)	1095.5 0.5 (0.6910)		
	1107.3 0.3 (0.7830)	1188.1 0.2 (2.1200 8.7)	1264.3 0.6 (1.0200)	1270.6 0.4 (0.6910)	1314.8 0.4 (2.3100 8.0)		
	1324.0 0.5 (1.3800 6.7)	1378.6 0.5 (0.7830)	1435.3 0.5 (0.2770)	1442.2 0.8 (0.5990)	1468.5 0.6 (0.5990)		
	1508.0 0.5 (0.8760)	1567.6 0.5 (0.4150)	1597.6 0.3 (1.1100)	1617.8 0.6 (2.9000)	1623. 2. (2.2100 8.3)		
	1647.7 0.4 (5.1200 3.6)	1690.8 0.5 (0.4150)	1701.1 0.4 (2.1200 8.7)	1711.8 0.4 (1.0200)	1731.0 0.6 (0.7380)		
	1738.2 0.5 (0.5070)	1753.7 0.4 (0.8760)	1801.4 0.6 (0.2770)	1814.3 0.6 (0.5070)	1830.5 0.5 (0.2770)		
	1849.2 0.5 (0.1850)	1870.6 0.4 (0.5990)	1895.7 0.3 (0.2770)	1944.3 0.3 (0.7830)	1999.1 0.4 (0.4150)		
	2032.9 0.4 (0.5070)	2103.6 0.4 (0.2770)	2224.4 0.5 (0.7830)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
IR 187	84.86 0.07 (2.1400 6.7)	87.6 0.1 (0.1000)	112.4 0.2 (2.1400)	(R)	IR 187 EC =====> OS 187 11. H		
	113.2 0.1 (5.8000)	115.7 0.1 (1.2000)	146.0 0.2 (0.7000)				
	156.6 0.2 (0.9810)	159.1 0.2 (0.3100)	162.8 0.1 (3.6300)				
	163.5 0.2 (1.4000)	177.6 0.1 (54.6000 5.3)	180.8 0.1 (3.7500 8.6)	187.4 0.1 (35.6000 6.5)	198.40 0.09 (1.5300 7.4)		
	206.4 0.3 (0.1200)	212.2 0.1 (0.2900)	224.5 0.2 (0.8330)	232.4 0.2 (0.4600)	240.3 0.3 (1.9000)		
	249.2 0.3 (2.0000)	253.0 0.2 (1.1400)	258.60 0.09 (5.4100 7.6)	261.54 0.09 (4.2900 6.9)	265.96 0.09 (2.0000)		
	276.3 0.3 (1.4000)	276.9 0.3 (1.3000)	296.9 0.2 (2.5600)	299.6 0.2 (3.9500)	314.2 0.1 (19.1000 6.1)		
	323.1 0.2 (5.6400 5.8)	344.6 0.2 (0.6000)	348.9 0.2 (0.8000)	370.5 0.2 (1.3100)	377.1 0.2 (1.1700)		
	384.9 0.1 (6.0200 8.8)	395.9 0.2 (2.5000)	399.3 0.2 (9.5100)	400.9 0.3 (82.7000 4.2)	412.4 0.1 (4.0400)		
	427.1 0.1 (19.6000)	440.2 0.2 (1.2100)	448.1 0.1 (2.2500)	456.8 0.2 (9.4000 1.4)	462.2 0.4 (1.2000)		
	463.8 0.4 (2.3000)	485.93 0.09 (14.9000 7.6)	491.72 0.09 (26.8000 7.2)	501.50 0.09 (30.1000 6.5)	511.3 0.2 (2.4000)		
	515.7 0.1 (7.5900 6.1)	522.1 0.1 (5.3600 6.7)	564.4 0.3 (1.4000)	576.57 0.09 (17.0000 6.6)	586.3 0.1 (6.4100 6.3)		
	589.4 0.1 (5.7700 6.5)	608.4 0.2 (9.2000)	610.86 0.09 (78.2000 6.3)	636.4 0.2 (4.2600)	651.3 0.1 (8.3600 6.6)		
	654.3 0.1 (7.8300 7.8)	664.3 0.2 (2.9000)	672.9 0.2 (2.5000)	709.3 0.2 (7.1200)	711.7 0.2 (1.7000)		
	716.1 0.2 (4.9000 8.2)	725.7 0.1 (8.7100)	742.0 0.2 (1.0200)	747.6 0.1 (5.6900)	756.7 0.2 (3.4700)		
	799.9 0.1 (17.8000 6.7)	840.9 0.2 (6.2200)	860.8 0.4 (1.6300)	886.8 0.2 (2.3700 7.6)	889.9 0.2 (3.2000)		
	899.6 0.3 (2.7000)	902.9 0.1 (6.4600 6.2)	909.7 0.2 (9.6800)	912.82 0.09 (100.0000)	924.8 0.2 (0.8600)		
	977.4 0.1 (60.9000 6.6)	987.2 0.1 (54.3000 6.7)	1015.4 0.2 (1.2800)	1037.7 0.2 (4.4500 7.9)	1040.2 0.3 (1.7000)		
	1048.9 0.3 (0.7300)	1080.6 0.2 (2.7000)	1102.4 0.2 (3.0400 8.1)	1112.1 0.2 (9.9900 7.5)			
IR 188	155.0 (32.6000)	312.0 (7.8000)	322.9 (1.8700)	(A)	IR 188 EC =====> OS 188 41.5 H		
	350.0 (0.2500)	385.3 (0.2180)	478.0 (15.6000)				
	478.6 (0.5010)	511.0 (0.8740)	566.7 (0.4680)				
	594.0 (0.1870)	620.6 (0.9670)	634.8 (28.0000)	641.5 (0.5300)	672.3 (1.3600)		
	736.8 (0.2500)	747.6 (0.0624)	757.2 (0.2500)	777.5 (0.1870)	781.9 (0.1870)		
	810.5 (0.0920)	924.8 (1.5600)	829.5 (6.4700)	886.0 (0.4370)	940.0 (0.5620)		
	987.7 (0.7490)	1018.0 (0.9670)	1096.8 (1.3100)	1142.7 (0.4210)	1150.0 (0.5770)		
	1175.0 (0.9980)	1210.3 (6.6100)	1296.1 (0.2340)	1303.7 (0.4680)	1323.4 (0.6240)		
	1329.1 (0.2340)	1332.6 (0.3740)	1430.0 (0.2650)	1436.1 (1.3700)	1445.8 (0.4370)		
	1453.0 (1.1500)	1457.9 (1.1400)	1462.7 (0.4370)	1466.0 (0.7180)	1559.6 (0.6860)		
	1575.0 (1.9300)	1620.0 (0.5460)	1653.0 (0.2960)	1688.6 (0.4840)	1705.0 (1.1100)		
	1717.0 (3.9800)	1802.5 (0.6240)	1812. (0.2500)	1931.0 (0.2180)	1945.0 (2.7600)		
	2012.0 (0.4680)	2050.1 (3.4200)	2059.6 (4.6800)	2097.8 (3.4300)	2098.8 (3.4300)		
	2132.0 (0.1870)	2146.0 (0.0780)	2194.0 (1.5700)	2214.6 (12.5000)	2222.1 (0.2180)		
	2254.3 (0.2540)	2263.3 (0.0842)	2288.1 (0.0390)	2307.4 (0.0608)	2328.1 (0.0406)		
	2349.6 (0.4060)	2367.9 (0.0359)	2396.9 (0.0733)	2462.4 (0.1370)	2482.8 (0.0218)		
	2498.8 (0.0702)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
IR 189	25.7 (0.4000)	36.2 (11.2000 8.9)	56.5 (2.5000)	(R)	IR 189 EC =====> 13.3 D OS 189		
	59.1 (21.0000 9.5)	69.5 (59.0000)	95.2 (6.4000 7.8)				
	97.8 (0.0100)	138.3 (1.1400)	147.1 (1.8000 7.8)				
	149.9 (1.4100 7.1)	164.0 (1.2300 4.9)	180.5 (0.4900)	185.9 (3.0000)	188.6 (0.8600 8.1)		
	197.4 (4.4000 4.6)	206.3 (1.3300 3.8)	216.7 (8.6000 4.6)	219.4 (8.8000 4.6)	233.5 (5.0000 4.0)		
	245.0 (100.0000)	275.8 (9.0000 5.6)	343.2 0.1 (0.9100 6.6)	369.1 (0.0100)	402.8 0.1 (0.1100 9.1)		
	438.5 0.1 (0.0600)						
IR 192H	56.8 (0.0050)			(A)	IR 192H IT =====> 1.4 H (N,G),(D,2N),	IR 192 * 1.93E+02	
IR 192	201.2 2. (0.5350 9.0)	206. 1. (3.6700 9.4)	295.444 0.005 (28.3000 8.9)	(A)	IR 192 E- =====> 74.2 D (N,G),(D,2N),	PT 192 9.48E+01	
	308.437 0.006 (27.0000 9.0)	316.498 0.007 (76.4000 7.0)	374. 1. (0.5350)				
	414. 1. (0.6110)	468.059 0.008 (49.0000 7.4)	484.57 0.01 (3.2900 9.9)				
	489. 2. (0.4580)	588.57 0.01 (4.2800 8.8)	604.40 0.01 (8.6300 7.9)	612.44 0.01 (5.5000 8.2)	628. 2. (0.3060)		
	884.52 0.02 (0.3820)	1062. 2. (0.0764)					
IR 194H	111.7 (9.1000)	328.5 (96.0000)	338.8 (57.0000)	(R)	IR 194H E- =====> 171. D PT 194		
	390.8 (36.0000)	482.5 0.5 (100.0000)	562.4 (36.0000)				
	600.5 (64.0000)	687.8 (61.0000)	1011.8 (3.7000)				
IR 194	293.6 0.2 (1.9000)	301. (0.2560)	328.0 0.2 (10.0000)	(A) OS 194. ==>	IR 194 E- =====> 19.4 H (N,G),	PT 194 5.84E+01	
	364.6 0.5 (0.0410)	482.5 0.5 (0.0470)	509.7 0.5 (0.0500)				
	529.0 0.5 (0.0220)	589.0 0.5 (0.0980)	594.0 0.5 (0.0520)				
	621. (0.2400)	644.6 0.2 (0.8100)	699.0 1.0 (0.0280)	833.0 1.0 (0.0320)	890.0 (0.0690)		
	925. (0.0250)	938.4 0.2 (0.4500)	1000. (0.0270)	1049. (0.0310)	1105. (0.0250)		
	1149. (0.4800)	1176. (0.0150)	1183. (0.2300)	1209. (0.1000)	1219. (0.0490)		
	1294. (0.0350)	1343. (0.0210)	1469. (0.2800)	1512. (0.0390)	1623. (0.0720)		
PT 182	136. 2. (100.0000)	146. 2. (15.4000)	186. 2. (7.0000)	(R)	PT 182 EC =====> 2.6 H IR 182 *		
	210. 1. (12.0000)						
PT 184	85.1 0.5 (2.0000)	92.6 0.3 (16.0000)	117.0 0.4 (7.5000)	(R)	PT 184 EC =====> 17.3 H IR 184 *		
	134.9 0.6 (1.6000)	139.5 0.3 (5.6000)	144.0 0.4 (4.1000)				
	149.5 0.6 (4.5000)	154.9 0.3 (100.0000)	161.6 0.4 (6.5000)				
	169.9 0.5 (2.9000)	176.0 0.4 (2.1000)	182.9 0.3 (94.0000)	209.3 0.4 (6.2000)	211.6 0.5 (5.4000)		
	216.5 0.3 (17.0000)	225.7 0.4 (6.3000)	230.6 0.4 (7.4000)	236.8 0.5 (6.1000)	278.5 0.9 (3.5000)		
	315.2 0.9 (2.0000)	328.9 0.6 (4.0000)	336.5 0.9 (3.0000)	394.6 0.3 (16.0000)	415.9 0.9 (3.5000)		
	472. 1. (4.0000)	499. 1. (5.0000)	532. 1. (5.0000)	548.4 0.3 (77.0000)	610.7 0.9 (12.0000)		
	632. 9. (6.0000)	710. 2. (6.0000)	731.2 0.4 (43.0000)				

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
PT 186	109.1 0.4 (0.7000)	126.9 0.4 (0.4000)	149.6 0.4 (0.6000)	(R)	PT 186 EC =====> IR 186 * 2.0 H		
	180.5 0.4 (1.7000)	186.5 0.4 (0.8000)	205.4 0.3 (2.2000)				
	210.3 0.3 (2.6000)	252.8 0.8 (0.9000)	256.0 0.4 (2.0000)				
	276.7 0.6 (0.9000)	280.8 0.4 (2.4000)	366.7 0.4 (3.3000)	611.5 0.4 (8.6000)	635.6 0.4 (5.4000)		
	689.2 0.3 (100.0000)						
PT 187	83.0 0.2 (23.3000)	91.5 0.2 (8.7000)	97.5 0.2 (3.2000)	(R)	PT 187 EC =====> IR 187 * 2.3 H		
	106.4 0.2 (100.0000)	110.0 0.2 (65.2000)	122.0 0.2 (32.6000)				
	159.5 0.2 (4.6000)	166.5 0.2 (0.5000)	175.0 0.2 (8.0000)				
	186.8 0.2 (59.3000)	189.6 0.2 (10.8000)	199.2 0.2 (8.5000)	201.4 0.3 (81.5000)	205.2 0.2 (9.5000)		
	244.8 0.3 (17.1000)	247.6 0.2 (41.7000)	282.1 0.2 (27.4000)	284.9 0.2 (62.6000)	300.3 0.2 (12.5000)		
	304.8 0.2 (49.1000)	311.8 0.2 (20.8000)	329.8 0.2 (7.8000)	332.9 0.2 (2.9000)	361.3 0.2 (8.2000)		
	376.5 0.2 (4.1000)	385.2 0.2 (4.6000)	388.8 0.2 (8.3000)	480.6 0.2 (12.7000)	486.6 0.2 (14.0000)		
	507.9 0.2 (15.3000)	511.7 0.2 (16.4000)	530.0 0.2 (7.4000)	536.5 0.2 (6.3000)	622.5 0.2 (14.9000)		
	629.6 0.2 (31.2000)	709.2 0.2 (59.0000)	712.6 0.2 (11.6000)	816.5 0.2 (12.2000)	819.3 0.2 (42.3000)		
	861.1 0.2 (10.7000)	891.8 0.2 (7.5000)	895.4 0.2 (20.2000)	1145.5 0.2 (18.6000)	1149.4 0.2 (12.4000)		
	1157.0 0.2 (12.9000)	1255.4 0.2 (27.3000)	1269.5 0.2 (11.1000)				
PT 189	82.22 0.04 (31.2000)	94.34 0.04 (82.0000 7.)	113.82 0.04 (31.0000 7.)	(R)	PT 189 EC =====> IR 189 * 10.9 H		
	130.5 0.1 (0.8000)	141.18 0.04 (45.0000 5.)	176.53 0.07 (11.0000 5.)				
	181.3 0.1 (1.2000)	186.7 0.06 (24.0000)	190.83 0.1 (1.2000)				
	203.78 0.08 (5.2000)	212.7 0.1 (1.1000)	223.34 0.1 (16.0000)	243.5 0.1 (75.0000)	252.0 0.3 (0.5000)		
	258.4 0.1 (3.4000)	263.1 0.2 (6.4000)	284.6 0.1 (1.7000)	288.3 0.1 (0.7000)	300.5 0.1 (40.0000)		
	306.8 0.2 (0.3200)	317.65 0.06 (35.0000 5.)	343.2 0.2 (1.3000)	343.8 0.2 (1.3000)	351.1 0.3 (1.4000)		
	352.6 0.2 (1.7000)	383.8 0.2 (0.9000)	384.8 0.3 (0.5300)	403.9 0.2 (15.0000)	430.8 0.2 (1.7000)		
	459.6 0.2 (0.9000)	493.3 0.1 (3.4000 8.)	530.4 0.1 (2.5000 8.)	539.9 0.2 (3.1000)	544.9 0.1 (62.0000 4.)		
	568.9 0.1 (76.0000 4.)	576.9 0.2 (0.4800)	585.0 0.1 (0.7500)	594.6 0.1 (1.2000)	607.6 0.1 (87.0000)		
	616.1 0.2 (0.4800)	623.2 0.1 (2.5000)	627.1 0.1 (25.0000 4.)	640.5 0.4 (0.6000)	644.3 0.1 (6.8000 8.)		
	651.6 0.1 (1.1400)	655.6 0.1 (0.5000)	673.3 0.2 (0.4700)	674.0 0.1 (0.4800)	698.3 0.1 (2.3000)		
	714.9 0.2 (0.7500)	721.4 0.1 (100.0000)	733.7 0.2 (3.8000)	735.8 0.2 (4.0000)	744.3 0.2 (0.4500)		
	751.0 0.1 (0.6500)	756.0 0.2 (0.7500)	782.1 0.2 (0.6400)	788.5 0.2 (1.4000)	792.7 0.1 (15.0000)		
	798.2 0.1 (2.1000)	809.0 0.3 (0.6000)	811.1 0.2 (1.4000)	828.1 0.1 (3.2000)	836.0 0.8 (0.9000)		
	880.1 0.2 (0.9000)	885.6 0.1 (1.9000)	924.8 0.1 (3.0000)	986.6 0.1 (0.7700)	992.8 0.1 (0.8600)		
	1002.7 0.1 (0.5500)	1007.8 0.1 (1.0300)	1011.9 0.2 (0.5200)	1026.7 0.1 (3.7000 6.)	1033.7 0.1 (0.5000)		
	1044.1 0.1 (0.7800)	1070.7 0.1 (0.8500)	1080.8 0.1 (0.8000)	1089.6 0.2 (0.3300)	1106.3 0.2 (1.9000)		
	1108.7 0.2 (1.0000)	1143.9 0.2 (0.3300)	1168.0 0.2 (0.4000)	1184.2 0.2 (0.4000)	1230.7 0.2 (0.8000)		
	1254.0 0.1 (3.9000 6.)	1312.3 0.2 (0.6800)	1323.7 0.1 (2.9000 7.)	1344.6 0.2 (0.7000)	1362.6 0.2 (0.7500)		
	1381.6 0.3 (0.7000)	1395.2 0.3 (0.3300)	1406.0 0.3 (0.6300)	1408.5 0.3 (0.6100)	1423.0 0.2 (0.4400)		
	1446.4 0.3 (0.6400)	1457.9 0.2 (2.3000)	1571.6 0.2 (0.8000)	1653.6 0.3 (0.5600)	1767.1 0.4 (0.6000)		

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (C/G)	FISS.Y. (U 235)
PT 191	41.92 0.02 (*****)	47.05 0.03 (*****)	49.59 0.03 (*****)	(R)	PT 191 EC ====> 3.0 D (N,G),(D,2N),	IR 191 1.66E-02	
	82.50 0.02 (24.0000)	96.51 0.03 (20.1000 4.9)	129.50 0.01 (20.0000 4.4)				
	172.03 0.08 (22.5000 4.2)	179.01 0.02 (6.5500 4.7)	188.00 0.02 (2.6500 5.8)				
	209.3 0.1 (0.8600 6.3)	219.74 0.04 (5.8600 5.5)	221.78 0.04 (0.9140)	223.76 0.04 (0.6990)	267.99 0.06 (17.8000 5.1)		
	351.01 0.05 (22.3000 4.3)	360.00 0.01 (39.4000 3.0)	410.0 0.1 (51.8000 3.6)	445.2 0.2 (0.4410 9.8)	457.00 0.01 (12.1000)		
	479.9 0.2 (0.3280)	494.9 0.2 (0.4090)	539.00 0.01 (100.0000)	568.9 0.3 (0.3660 5.9)	576.6 0.3 (0.8660 5.6)		
	583.7 0.3 (0.7370 7.3)	588.1 0.3 (1.0300 5.2)	624.2 0.3 (11.0000 7.3)	632.9 0.5 (0.1990)	659.2 0.5 (0.1080)		
	679.8 0.5 (0.0591)	747.9 0.5 (0.0242)	756.2 0.8 (0.0080)	762.7 0.4 (0.0914)	805.9 0.5 (0.0242)		
	853. 1. (0.0080)	935.4 0.4 (0.0860)					
PT 195P	28.4 (*****)	30.9 (*****)	81.4 (0.0030)	(A)	PT 195H IT ====> 4.1 D (N,G),	PT 195 2.39E-02	
	98.8 0.3 (11.1000 9.0)	112.3 (0.0020)	129.7 0.3 (2.8300)				
	140.7 0.4 (0.0230)	199.8 0.3 (*****)	211.1 0.3 (0.0350)				
	239.5 0.3 (0.0620)						
PT 197H	279.3 (2.8800)	346.3 0.2 (13.7000)		(A)	PT 197H IT ====> 88. H (N,G),	PT 197 * 1.27E-02	
PT 197	77.35 (20.5000)	191.4 0.2 (5.1000)	269. (0.3100)	(A)	PT 197 E- ====> 18. H (N,G),	AU 197 1.90E-01	
PT 199H	393. (90.0000)			(A)	PT 199H IT ====> 14.1 S (N,G),	PT 199 * 1.27E-02	
PT 199	185.5 0.2 (5.0300)	191.8 0.2 (3.5100)	219.3 0.3 (0.6200)	(A)	PT 199 E- ====> 30. H (N,G),	AU 199 * 1.50E-02	
	225.6 0.3 (0.2520)	246.4 0.3 (3.4400)	317.0 0.2 (7.7300)				
	465.4 0.3 (1.4400)	468.4 0.3 (1.5800)	474.5 0.2 (1.8800)				
	493.3 0.2 (8.3800)	542.5 0.2 (22.9000)	714.0 0.3 (2.7500)	791.1 0.3 (1.7200)	967.5 0.5 (1.6300)		
AU 182	155. 1. (100.0000)	264. 1. (50.0000)		(R)	AU 182 E- ====> 19. S (N,G),	PT 182 *	
AU 184	163.2 0.5 (100.0000)	221.7 0.6 (4.5000)	230. 1. (1.0000)	(R)	AU 184 E- ====> 47. S \$\$\$\$		
	237. 1. (10.6000)	273.1 0.6 (76.7000)	296. 1. (3.4000)				
	329. 1. (4.5000)	350. 1. (2.0000)	358. 1. (2.0000)				
	361.9 0.8 (32.4000)	367. 1. (2.7000)	377. 1. (3.4000)	391. 1. (1.3000)	432. 1. (3.0000)		
	486.3 0.9 (11.9000)	493. 1. (6.0000)	524. 1. (0.8000)	531. 1. (0.8000)	594. 1. (14.8000)		
	648.1 0.9 (6.4500)	665. 1. (6.0000)	683. 1. (0.8000)	685. 1. (0.5000)	777. 1. (12.8000)		
	801. 1. (5.1000)	830. 1. (4.0000)	844. 1. (7.6000)	872. 1. (9.4000)			

NUCLIDE	ENERGY (KEV)		INTENSITY		ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Vo (U 235)
AU 189M	166.7 0.2 (100.0000)	321.1 0.5 (19.0000 8.6)			(R)	AU 189M ^{EC} =====> PT 189 * 4.7 H		
AU 189	126. 1. (4.1900)	134.1 0.5 (11.4000)	166.3 0.2 (41.3000)		(R)	AU 189 ^{EC} =====> PT 189 * 29.7 H		
	195. 1. (5.3900)	215.5 0.3 (19.2000)	222.1 0.3 (21.8000)					
	255. 2. (16.8000)	261. 2. (16.8000)	302.5 0.5 (29.0000)					
	304.3 0.5 (12.0000)	329.9 0.5 (12.0000)	342. 1. (11.4000)	348.1 0.2 (55.9000 9.3)		441.7 0.4 (34.4000 9.3)		
	447.8 0.3 (54.4000 9.3)	452.0 0.5 (5.0000)	528.7 0.4 (41.1000 9.3)	632.4 0.5 (15.3000 9.3)		713.4 0.4 (100.0000 9.3)		
	813.1 0.4 (58.3000 9.3)	828. 1. (10.2000)	902. 2. (10.2000)	1071.5 0.6 (26.4000)		1160.5 0.3 (29.7000 9.3)		
AU 190	179.8 0.3 (0.1800)	192.0 0.3 (0.1200 8.5)	206.1 0.3 (0.1000)		(R)	AU 190 ^{EC} =====> PT 190 39. H		
	225.3 0.3 (0.4000)	282.3 0.3 (1.0800 7.7)	286.4 0.3 (0.5400 5.9)					
	296.0 0.3 (100.0000)	302.0 0.3 (33.0000 3.6)	319.3 0.3 (6.5000 5.0)					
	323.4 0.3 (1.4000 7.4)	398.0 0.3 (0.1200)	441.5 0.3 (5.2500 2.8)	460.7 0.3 (0.1800)		466.0 0.3 (0.6700 6.3)		
	478.4 0.3 (0.5600 9.2)	523.5 0.3 (0.2400 8.6)	530.6 0.3 (0.6000)	586.7 0.3 (0.1500 6.9)		597.9 0.3 (12.4000 3.1)		
	605.5 0.3 (2.1000 3.1)	616.4 0.3 (2.1700 4.2)	621.1 0.3 (3.3000 6.4)	625.3 0.3 (4.1000 5.3)		634.0 0.3 (0.2200)		
	657.9 0.3 (0.1700)	675.3 0.3 (0.3200 9.6)	730.0 0.3 (1.2600 5.2)	756.5 0.4 (0.2000)		779.6 0.3 (0.4300)		
	797.0 0.3 (0.1500)	816.1 0.3 (0.5700 5.6)	836.4 0.3 (0.2000)	864.5 0.3 (0.1700)		869.0 0.3 (0.4000)		
	907.5 0.3 (2.0500 3.2)	912.2 0.3 (0.1300)	977.3 0.3 (0.2000)	987.6 0.3 (0.9400 5.7)		1003.8 0.4 (0.2600)		
	1006.0 0.4 (0.7800)	1013.1 0.4 (0.1200 8.6)	1054.7 0.4 (0.5000)	1057.9 0.4 (4.4000 9.3)		1099.3 0.4 (1.3300 5.6)		
	1139.4 0.4 (2.0400 3.2)	1203.4 0.4 (0.3000)	1205.5 0.4 (0.4100)	1279.6 0.4 (0.9000 5.9)		1305.5 0.4 (1.1600 4.8)		
	1308.0 0.4 (0.5400)	1346.1 0.4 (0.8000)	1395.3 0.4 (2.9600)	1401.9 0.4 (0.7200 4.6)		1441.2 0.4 (4.5000 3.0)		
	1461.6 0.4 (0.8300 9.9)	1581.5 0.4 (1.0000 5.4)	1601.2 0.4 (0.2500)	1622.9 0.4 (0.2700)		1636.5 0.4 (0.7500)		
	1672.4 0.4 (0.7500)	1738.7 0.4 (1.1800 6.3)	1760.8 0.4 (1.1000 5.0)	1764.9 0.4 (2.8500 5.6)		1802.8 0.4 (0.6500)		
	1836.1 0.4 (1.2000)							

NUCLIDE	ENERGY (KEV)		INTENSITY		ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
AU 192	176.6 0.2 (0.2200 9.1)	185.7 0.2 (0.1000)	225.9 0.2 (0.3300 3.0)	(R)	AU 192	EC =====> 4.1 H	PT 192	
	243.8 0.2 (0.0700)	249.8 0.2 (0.4800 6.3)	275.0 0.2 (0.2200 9.1)					
	295.94 0.01 (38.5000 1.3)	308.43 0.01 (5.9700 2.2)	316.49 0.01 (100.0000)					
	381.1 0.3 (0.0800)	416.3 0.2 (0.0900)	433.2 0.2 (0.1000)	468.05 0.02 (3.0400 3.4)	477.2 0.2 (1.8600)			
	485.1 0.2 (0.1200 8.3)	504.3 0.2 (0.1200 8.3)	517.8 0.2 (0.7280)	569.3 0.2 (0.4000)	582.58 0.09 (4.6500 2.8)			
	588.56 0.02 (0.5300 7.6)	593.27 0.09 (1.3800 5.0)	604.39 0.02 (1.7500 2.7)	612.44 0.02 (7.4800 0.8)	624.7 0.3 (0.1100 9.1)			
	655.2 0.2 (0.2750 6.8)	689.8 0.2 (0.3400 2.9)	710.2 0.2 (0.1500 6.7)	746.9 0.2 (0.3650)	759.1 0.2 (2.8800 3.7)			
	764.9 0.3 (0.1100 9.1)	798.8 0.2 (0.1600 6.3)	815.7 0.2 (0.0800)	822.8 0.1 (0.6650 4.1)	826.5 0.3 (0.1100 9.1)			
	865.3 0.2 (0.1800 5.6)	872.6 0.2 (0.2100 4.7)	878.7 0.1 (1.4200 4.0)	896.2 0.2 (0.3700 2.7)	934.3 0.2 (0.9000 3.3)			
	936.0 0.2 (0.5200 5.8)	960.0 0.2 (0.2750 9.1)	963.8 0.2 (0.6500)	969.3 0.4 (0.1300)	972.8 0.3 (0.2860 8.2)			
	973.5 0.2 (0.2700)	991.4 0.2 (0.0800)	997.1 0.2 (0.3300 6.1)	1016.6 0.3 (0.0700)	1052.6 0.2 (0.2110)			
	1054.9 0.3 (0.1000)	1061.6 0.2 (1.6100 3.6)	1108.0 0.4 (0.1100 9.1)	1113.8 0.4 (0.1100)	1116.4 0.3 (0.2380)			
	1122.7 0.2 (1.9100 3.1)	1127.0 0.2 (2.5400 3.8)	1133.3 0.5 (0.0700)	1140.3 0.2 (4.5500 4.5)	1173.1 0.4 (0.0600)			
	1181.0 0.3 (0.1300)	1195.0 0.3 (0.1000)	1207.1 0.3 (0.2400 8.3)	1250.5 0.2 (0.3710 5.2)	1257.1 0.3 (0.1700 5.9)			
	1267.6 0.3 (0.1200 8.3)	1270.4 0.3 (0.1970)	1282.0 0.2 (0.7480)	1288.0 0.3 (0.1400 7.1)	1291.2 0.3 (0.1500 6.7)			
	1313.1 0.3 (0.7400 2.7)	1316.5 0.2 (0.3900)	1336.4 0.2 (0.8890 9.7)	1352.9 0.3 (0.1000)	1363.7 0.3 (0.2200 4.6)			
	1386.8 0.2 (0.6480 7.7)	1414.7 0.3 (0.5920)	1423.0 0.2 (5.1500 3.1)	1429.6 0.3 (0.2140 9.9)	1435.4 0.2 (0.3860)			
	1439.2 0.3 (0.1000)	1449.9 0.4 (0.2830 6.9)	1504.8 0.3 (0.2780 7.0)	1514.0 0.5 (0.0600)	1517.3 0.3 (0.2200 9.1)			
	1536.9 0.2 (0.7430 8.6)	1548.8 0.8 (0.1820)	1559.0 0.2 (1.1100 6.4)	1576.6 0.2 (3.9200 3.4)	1580.0 0.3 (0.9060 5.5)			
	1587.9 0.3 (0.3100 6.4)	1624.4 0.2 (2.8900 3.0)	1644.4 0.2 (0.8460 5.7)	1659.7 0.3 (0.2540 8.3)	1683.2 0.3 (0.2260)			
	1692.9 0.4 (0.1940)	1706.6 0.2 (3.3400 4.9)	1723.1 0.2 (5.4400 7.1)	1731.5 0.2 (1.1600 5.1)	1739.5 0.2 (0.3600 5.6)			
AU 193	99.88 (*****)	110.28 (15.0000 9.8)	112.52 (15.0000 9.8)	(R)	AU 193	EC =====> 17.5 H	PT 193	
	114.16 (7.9000)	117.99 (5.5000)	119.64 (1.7000)					
	155.68 (3.5000)	173.52 (29.0000)	180.0 0.2 (0.6100)					
	186.17 (100.0000 5.8)	187.83 (9.1000)	206.85 (0.8900)	215.6 0.2 (0.9500)	221.4 (0.7800)			
	230.5 (5.3000)	232.18 (5.3000)	251.4 0.5 (2.5000)	255.57 (67.0000 8.7)	259.05 (2.0000)			
	268.22 (39.0000 8.2)	269.84 (8.4000)	281.76 (1.6000)	290.3 (0.8600)	303.41 (2.7000)			
	317.73 (2.3000)	324.89 (3.5000)	334.7 0.3 (0.6300)	344.1 0.9 (0.2600)	369.9 0.2 (0.6000)			
	377.1 (5.0000)	383.4 0.4 (0.2300)	387.6 (3.8000)	401.3 0.3 (1.1000)	408.4 (1.3000)			
	421.3 0.4 (0.5300)	424.76 (1.5000)	431.4 0.3 (0.2800)	437.41 (5.0000)	439.04 (19.0000)			
	445.1 (0.1000)	459.1 0.5 (0.1400)	464.1 0.5 (0.2900)	476.98 (4.6000)	478.40 (1.2000)			
	483. 1. (0.1400)	489.61 (2.3000)	491.28 (7.0000)	505.66 (0.9500)	508.26 (0.5600)			
	520.97 (0.7800)	522.66 (0.7200)	529.7 0.4 (0.3700)	577.60 (0.4300)	628.55 (0.6600)			
	685. 1. (0.2100)	698. 1. (63.0000)	730. 1. (0.2000)	743. 1. (0.3500)	845. 2. (0.6900)			
	1124. 4. (0.4600)							
AU 195	30.94 0.05 (0.7300)	98.84 0.05 (11.3000)	129.78 0.03 (0.8200)	(A)	AU 195	EC =====> 183. D	PT 195	
	199.8 (0.0110)	211.1 (0.0200)			(P,N),			

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
AU 196	312.	332.9 0.3	355.7 0.2	(A)	AU 196 EC ===== PT 196 6.180 (N,2N),(D,2N), (P,N), (D,N), (A,N),		
	(0.0094)	(25.0000)	(94.0000)				
	393.4 0.4	426.0 0.2	511.006 0.002				
	(0.0110)	(7.2000)	(0.0028)				
	521.3 0.2	570.8 0.4	659.5 0.3				
	(0.0420)	(0.0075)	(0.0040)				
AU 196	673.5 0.7	688.7	758.9 0.2	1005.7 0.3	1091.3 0.2		
	(0.0000)	(0.0066)	(0.0480)	(0.0029)	(0.1600)		
	1361.0 1.0	1446.3 0.7					
	(0.0047)	(0.0086)					
AU 197M	130.2 0.1	201.8 0.1	278.9 0.3	(A)	AU 197M IT ===== AU 197 7.865		
	(3.2000)	(1.1700)	(72.8000)				
	409.1 0.1						
AU 197M	(0.1090)						
AU 198	411.794 0.008	675.87 0.02	1087.66 0.02	(A)	AU 198 E- ===== HG 198 64.71H (N,C), (P,N),	8.16E+01	
	(95.5000)	(1.0100)	(0.1800)				
AU 199	158.370 0.003	208.196 0.005		(A) PT 199 ==>	AU 199 E- ===== HG 199 3.150 (N,G), (D,N),		
	(37.0000)	(8.0000)					
AU 201	135.3 0.2	167.4 0.1	352.3 0.2	(A)	AU 201 E- ===== HG 201 26.4 H (N,P),		
	(0.3370)	(0.9910)	(0.3550)				
	385.1 0.2	438.2 0.3	517.0 0.3				
	(0.6360)	(0.3180)	(1.2900)				
	521.0 0.4	526.9 0.2	542.6 0.2				
	(0.5420)	(0.6920)	(1.8700 6.0)				
AU 201	552.8 0.3	613.2 0.3	645.0 0.4	732.3 0.4			
	(0.8230)	(1.2000)	(0.6550)	(0.4300)			
AU 202	439.6 0.1	520.3 0.4	908.6 0.4	(R)	AU 202 E- ===== HG 202 27.6 S (N,P),		
	(100.0000)	(11.0000)	(18.0000)				
	960.	1125.4 0.4	1203.7 0.4				
	(4.0000)	(25.0000)	(21.0000)				
AU 202	1306.5 0.5						
	(23.0000)						
AU 204	436.6 0.2	691.9 0.3	723.0 0.3	(R)	AU 204 E- ===== HG 204 40. S (N,P),		
	(100.0000)	(25.0000)	(24.0000)				
	1392.1 0.4	1405. 1.	1414.8 0.5				
	(26.0000)	(4.0000)	(9.0000)				
	1511.3 0.4	1542. 1.	1553.1 0.4				
	(31.0000)	(3.0000)	(9.0000)				
AU 204	1704.2 0.6	1828. 1.					
	(5.3000)	(3.1000)					
HG 182	129. 1.	217. 1.	413. 1.	(R)	HG 182 AL ===== PT 178 * 11.3 S		
	(100.0000)	(75.0000)	(53.0000)				
HG 184	92. 1.	127.5 0.5	141.7 0.9	(R)	32.2 S		
	(2.8000)	(3.3300)	(1.8000)				
	146. 2.	156.4 0.3	159.5 0.9				
	(1.0000)	(67.3000)	(5.2000)				
	170. 1.	177. 1.	220. 1.				
	(1.8000)	(1.3000)	(2.3000)				
HG 184	236.7 0.4	259.5 0.5	262.9 0.5	295.8 0.6	422. 2.		
	(100.0000)	(8.1200)	(5.5400)	(13.1000)	(4.0000)		
HG 187	104. 1.	153. 1.	203. 1.	(R)	HG 187 EC ===== AU 187 * 2.2 H		
	(26.3000)	(6.2000)	(21.1000)				
	205. 1.	220. 1.	233. 1.				
	(11.4000)	(23.2000)	(100.0000)				
	240. 1.	271. 1.	284. 1.				
	(33.8000)	(37.0000)	(5.0000)				
HG 187	378. 1.						
	(50.0000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. V. (U 235)
HG 191	196.5 0.4 (4.5000)	224.9 0.4 (6.0000)	241.4 C.5 (21.0000)	(R)	HG 191	EC =====> 50.8 H	AU 191*
	252.6 0.4 (100.0000)	269.0 (*****)	274.1 1.0 (23.0000)				
	301.6 (1.7000)	331.6 0.9 (7.6000)	343.3 (2.6000)				
	357.0 0.4 (8.5000)	371.0 0.4 (11.0000)	386.0 (*****)	392.0 (*****)	409.7 0.9 (4.9000)		
	420.3 0.6 (33.0000)	441.0 (2.0000)	457.8 (1.0000)	487.0 (*****)	511.006 0.002 (4.0000)		
	521.5 0.7 (6.9000)	536.1 0.6 (14.0000)	545.6 0.5 (2.7000)	546.0 (0.9000)	549.5 (3.6000)		
	552.5 (2.8000)	578.7 0.4 (31.0000)	597.0 (1.4000)	610.6 0.6 (8.2000)	637.1 0.7 (2.5000)		
	644.5 (1.5000)	662.0 (2.0000)	671.0 0.7 (5.2000)	678.6 0.7 (3.8000)	683.2 (2.3000)		
	690.0 0.7 (3.8000)	718.0 0.7 (5.4000)	732.8 (0.9000)	777.8 0.8 (3.0000)	820.8 (2.1000)		
	829.0 (1.4000)	863.6 (1.4000)	887.0 0.8 (3.2000)	897.0 (1.0000)	908.3 (1.3000)		
	938.3 (2.0000)	949.4 (1.0000)	954.8 (1.1000)	970.0 (1.4000)	996.4 0.8 (4.1000)		
	1002.7 (2.7000)	1040.7 (0.9000)	1045.6 (1.1000)	1057.0 (1.4000)	1091.3 (2.1000)		
	1109.3 (3.1000)	1165.0 (1.5000)	1257.1 (0.9000)	1284.4 (3.4000)	1307.3 (1.7000)		
	1329.8 (5.1000)	1338.1 (1.9000)	1348.0 (1.0000)	1354.7 (1.2000)	1364.7 (1.5000)		
	1383.7 (1.0000)	1391.8 (1.9000)	1434.0 (1.3000)	1441.1 (1.4000)	1447.8 (2.7000)		
	1473.1 (1.1000)	1488.3 (1.3000)	1491.3 (1.7000)	1503.6 (3.5000)	1511.7 (1.4000)		
	1525.0 (1.2000)	1532.5 (1.8000)	1548.8 (3.4000)	1632.8 (1.0000)	1672.0 (1.6000)		
	1739.4 (2.5000)	1759.6 (1.7000)	1864.0 (1.1000)	1908.1 (2.8000)			
HG 195H	56.7 0.1 (100.0000)	172.4 0.1 (0.1240)	200.35 0.04 (2.0600)	(R)	HG 195H	IT =====> 40. H	HG 195 *
	207.07 0.04 (1.0300)	261.75 0.04 (98.4000 9.2)	279.2 0.1 (0.3090)				
	287.6 0.3 (0.0226)	318.5 0.1 (0.4530)	364.40 0.05 (0.7610 4.3)				
	386.3 0.1 (0.6380)	387.93 0.05 (4.8800 3.4)	401.7 0.2 (0.0412)	419.0 0.1 (0.1440 7.6)	441.6 0.3 (0.0803)		
	452.02 0.05 (0.4530 2.9)	467.31 0.05 (0.6790 4.8)	518.6 0.2 (0.0720)	525.80 0.04 (1.1500 3.6)	542.5 0.3 (0.2880)		
	549.4 0.1 (0.1320)	560.24 0.04 (16.3000)	575.47 0.07 (0.4730 7.0)	665.5 0.1 (0.1440 7.4)	680.76 0.05 (0.5140)		
	693.3 0.2 (0.0926)	698.1 0.1 (0.1460 8.5)	727.3 0.2 (0.1030)	749.5 0.2 (0.0535)	754.7 0.1 (0.1420 8.0)		
	847.2 0.2 (0.0453)	853.07 0.06 (0.5760)	899.4 0.3 (0.0185)	961.85 0.09 (0.5350 9.4)	1027.5 0.1 (0.2680)		
	1086.1 0.2 (0.1090)	1241.0 0.1 (1.4800)	1286.5 0.4 (0.0124)				
HG 195	56.7 0.1 (2.5700)	61.43 0.03 (100.0000)	180.23 0.09 (5.2200 7.6)	(R)	HG 195	EC =====> 9.5 H	AU 195 *
	200.37 0.03 (0.0551)	267.07 0.04 (2.5800)	241.52 0.08 (0.1100)				
	261.75 0.03 (2.5200 9.2)	318.5 0.1 (0.0110)	439.50 0.09 (0.1430)				
	585.11 0.05 (2.5800 3.8)	599.66 0.04 (2.3800 3.0)	671.2 0.3 (0.0275)	779.78 0.05 (8.4200 4.0)	811.3 0.3 (0.0209)		
	821.06 0.07 (0.3410 8.0)	841.24 0.07 (0.3190 4.0)	868.9 0.4 (0.0043)	910.7 0.1 (0.0991)	930.83 0.08 (0.5950 7.0)		
	989.2 0.3 (0.0275)	1009.5 0.2 (0.0319)	1021.48 0.09 (0.2310 9.0)	1049.2 0.3 (0.0330)	1082.9 0.2 (0.0826)		
	1092.1 0.5 (0.0076)	1111.0 0.1 (1.7100 9.0)	1172.4 0.1 (1.6000 8.7)	1189.5 0.3 (0.0231)	1250.9 0.2 (0.0264)		
	1263.0 0.4 (0.0043)	1292.0 0.4 (0.0065)	1324.0 0.5 (0.0021)	1353.5 0.4 (0.0110)			
HG 197H	77.4 (*****)	130.2 (0.2100)	133.9 0.2 (43.0000)	(A)	HG 197H	IT =====> 24. H	HG 197 * 1.27E-01
	165.0 (0.4000)	201.8 (0.0860)	279.0 (6.2000)		(N, G), (P, N), (D, 2N),		
	409.1 (0.0090)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. V. (U 235)	
HG 197	77. (18.0000)	191.4 0.2 (2.0000)	269. (0.1500)	(A)	HG 197 ^{EC} =====> AU 197 64.14H (N,G), (P,N), (D,2N),	3.66E+00		
HG 199M	158.3 0.1 (51.5000)	374.0 0.2 (13.9000)		(A)	HG 199M ^{IT} =====> HG 199 42.6 H (N,G), (N,N), (N,2N), (A,N),	1.46E-03		
HG 203	70.832 0.004 (*****) 279.184 0.006 (81.5000 0.18)	72.873 0.001 (9.7000 5.1)	82.572 0.004 (2.8000 7.1)	(A)	HG 203 ^{E-} =====> TL 203 46.57D (N,G),	1.21E+00		
HG 205	203.7 0.2 (2.5000) 720.8 0.8 (0.0013) 1136.8 0.6 (0.5200) 1230.8 1.0 (0.0006)	415.6 0.3 (0.0150) 937.2 0.6 (0.0023) 1141.1 1.5 (0.0011) 1340.3 0.8 (0.0004)	618.6 0.7 (0.0022) 1014.7 0.8 (0.0008) 1218.7 0.4 (0.0069) 1433.9 0.5 (0.0049)	(A)	HG 205 ^{E-} =====> TL 205 5.6 H (N,G),	2.39E-02		
TL 189	216.3 0.7 (100.0000)	229.0 1.5 (40.0000)	335. (70.0000)	(R)	TL 189 ^{EC} =====> HG 189 * 1.4 H			
TL 190	305.0 1.5 (16.0000) 730.6 1.2 (32.0000)	416.8 0.8 (100.0000) 839.5 1.5 (23.0000)	625.5 1.0 (75.0000 9.3)	(R)	TL 190 ^{EC} =====> HG 190 * 3.4 H			
TL 191	215.7 0.8 (100.0000) 336.5 1.2 (34.0000)	264.7 0.8 (46.0000) 378.2 1.5 (27.0000)	326.1 1.0 (64.0000) 563.4 1.5 (17.0000)	(R)	TL 191 ^{EC} =====> HG 191 * 5.2 H			
TL 193	207.8 0.9 (21.0000) 335.3 1.0 (27.0000) 1047.7 0.9 (54.0000)	284.6 1.0 (22.0000) 344.1 1.0 (44.0000)	324.2 0.9 (100.0000) 676.2 0.9 (41.0000)	(R)	TL 193 ^{EC} =====> HG 193 * 21.6 H			
TL 194	98.9 0.1 (0.3640) 208.9 0.2 (3.6400) 233. 2. (1.2300) 284.0 0.2 (1.0900) 366.5 0.3 (1.0500) 446.5 0.7 (1.6800) 553.2 0.3 (2.7300) 664.2 0.7 (0.6820)	107.2 0.2 (0.4550) 219.0 0.5 (0.5910) 239.0 0.7 (0.5460) 259.1 0.2 (1.2300) 380.5 0.3 (0.8180) 451.0 0.7 (2.9600) 600.5 0.7 (1.0000) 735.0 0.3 (13.2000)	110.96 0.08 (3.7700) 227.98 0.08 (3.9100) 255.4 0.1 (5.4600) 299.5 0.5 (0.5910) 395.5 0.5 (0.9090) 462.5 0.7 (2.7300) 639.3 0.3 (68.2000) 749.0 0.3 (45.5000)	(R)	TL 194 ^{EC} =====> HG 194 33. H 319.8 0.1 (2.3200) 403.9 0.7 (1.0900) 464.5 0.7 (1.3600) 645.2 0.3 (5.4600) 1040.3 0.5 (2.2700)	352.2 0.3 (1.0000) 428.2 0.3 (100.0000) 510.9 0.3 (5.0000) 650.3 0.3 (4.0900) 1073.3 0.5 (1.8200)		

NUCLIDE	ENERGY (KEV) INTENSITY		ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
TL 198M	194.7 0.3 (1.5000)	215.6 0.3 (2.8000)	226.4 0.3 (14.1000 7.8)	(R)	TL 198M IT =====> 1.87H	TL 198 *
	259.9 0.3 (7.8000 9.0)	274.0 0.3 (3.0000)	282.7 0.3 (52.5000 5.3)			
	375.5 0.3 (0.4000)	390.4 0.3 (3.1000)	411.7 0.3 (100.0000)			
	422.6 0.3 (4.3000 9.3)	441.8 0.3 (4.6000 6.7)	489.6 0.3 (8.6000)	499.3 0.3 (1.0000)	519.0 0.3 (5.6000)	
	540.9 0.3 (1.6000)	550.0 0.3 (0.3000)	566.2 0.3 (0.3000)	587.4 0.3 (89.7000 8.9)	597.0 0.3 (0.3000)	
	606.7 0.9 (0.5000)	636.8 0.3 (95.9000 8.3)	657.2 0.6 (0.4000)	675.9 0.5 (*****)	698.3 0.6 (0.9000)	
	744.4 0.7 (0.7000)	759.4 0.6 (0.4000)	767.5 0.3 (2.5000)	832.5 0.4 (1.0000)	876.2 0.6 (1.1000)	
	898.6 0.5 (1.3000)	1007.6 0.4 (0.5000)	1018.3 0.5 (0.4000)	1045.5 0.3 (0.7000)	1087.9 0.5 (0.6000)	
	1200.5 0.6 (0.6000)	1219.1 0.7 (0.5000)	1311.9 0.7 (0.4000)	1391.8 0.7 (0.9000)	1420.3 0.7 (*****)	
	1435.8 0.4 (0.4000)	1447.3 0.5 (0.5000)	1489.9 0.5 (0.3000)	1559.4 0.5 (0.5000)	1594.4 0.5 (0.5000)	
	1612.9 0.5 (0.6000)	1644.0 0.6 (0.6000)	1659.6 0.4 (0.3000)	1721.4 0.5 (1.3000)	1766.4 0.4 (0.8000)	
	1833.3 0.4 (0.3000)	1858.8 0.5 (0.4000)	1900.0 0.5 (0.3000)	2040.9 0.5 (0.3000)	2074.9 0.5 (0.3000)	
	2153.4 0.4 (0.3000)	2191.3 0.4 (0.9000)	2285.9 0.6 (0.3000)	2371.7 0.5 (0.3000)	2414.2 0.4 (0.3000)	
	2465.9 0.5 (0.3000)	2486.5 0.5 (0.3000)	2565.1 0.4 (0.3000)	2601.5 0.4 (0.3000)	2613.5 0.6 (0.3000)	
	2782.9 0.6 (0.3000)					
TL 198	194.7 0.3 (0.4000)	215.6 0.3 (0.4000)	226.4 0.3 (0.3000)	(R)	TL 198 EC =====> 5.3 H	HG 198
	259.9 0.3 (0.4000)	274.0 0.3 (0.3000)	282.7 0.3 (0.4000)			
	375.5 0.3 (0.3000)	390.4 0.3 (0.3000)	411.7 0.3 (100.0000)			
	422.6 0.3 (0.3000)	441.8 0.3 (0.3000)	489.6 0.3 (0.5000)	499.3 0.3 (1.3000)	519.0 0.3 (0.5000)	
	540.9 0.3 (0.3000)	550.0 0.3 (0.3000)	566.2 0.3 (0.5000)	587.4 0.3 (2.9000)	597.0 0.3 (1.5000)	
	606.7 0.9 (0.7000)	636.8 0.3 (13.4000 7.5)	657.2 0.6 (0.4000)	675.9 0.5 (12.8000 7.8)	698.3 0.6 (0.3000)	
	744.4 0.7 (0.4000)	759.4 0.6 (2.2000)	767.5 0.3 (0.4000)	832.5 0.4 (0.4000)	876.2 0.6 (0.4000)	
	898.6 0.5 (0.8000)	1007.6 0.4 (3.3000)	1018.3 0.5 (1.1000)	1045.5 0.3 (0.7000)	1087.9 0.5 (3.5000)	
	1200.5 0.6 (9.6000)	1219.1 0.7 (0.4000)	1311.9 0.7 (4.9000)	1391.8 0.7 (0.3000)	1420.3 0.7 (9.1000 8.8)	
	1435.8 0.4 (4.1000)	1447.3 0.5 (4.8000)	1489.9 0.5 (2.8000)	1559.4 0.5 (0.9000)	1594.4 0.5 (2.8000)	
	1612.9 0.5 (1.0000)	1644.0 0.6 (0.4000)	1659.6 0.4 (1.8000)	1721.4 0.5 (2.9000)	1766.4 0.4 (1.0000)	
	1833.3 0.4 (4.8000)	1858.8 0.5 (1.1000)	1900.0 0.5 (2.7000)	2040.9 0.5 (11.0000 7.3)	2074.9 0.5 (0.6000)	
	2153.4 0.4 (0.7000)	2191.3 0.4 (3.2000)	2285.9 0.6 (1.0000)	2371.7 0.5 (0.8000)	2414.2 0.4 (0.4000)	
	2465.9 0.5 (1.1000)	2486.5 0.5 (2.0000)	2565.1 0.4 (0.2000)	2601.5 0.4 (0.4000)	2613.5 0.6 (0.8000)	
	2782.9 0.6 (0.6000)					
TL 202	439.4 0.2 (91.9000)	520.3 0.3 (1.0000)	959.7 0.4 (0.0995)	(A)	TL 202 EC =====> 12.2 D (D,N),(D,2N),	HG 202
TL 208	211.5 0.6 (0.1900)	233.5 0.8 (0.3100)	252.6 0.3 (0.8000)	(A) EI 212 ==>	TL 208 E- =====> 3.05H	PB 208
	277.35 0.06 (6.9000)	486.2 0.5 (0.0600)	510.80 0.08 (23.0000)			
	583.06 0.04 (86.0000)	722.3 1.0 (0.2700)	763.13 0.08 (1.8000)			
	821.1 0.8 (0.0900)	860.37 0.08 (12.0000)	927.7 0.3 (0.1300)	982.7 0.3 (0.1300)	982.8 0.3 (0.2000)	
	1093.1 0.1 (0.4000)	2614.6 0.1 (100.0000)				

NUCLIDE	ENERGY (KEV) INTENSITY				ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
TL 209	117. 1. (70.0000)	465. 1. (70.0000)	1566. 2. (85.0000)		(A)	TL 209 E- =====> 2.2 H PB 209 *		
PB 195H	99.0 0.6 (0.5000)	313.3 0.4 (4.7000)	383.8 0.3 (100.0000)		(R)	PB 195H EC =====> 17. H TL 195 *		
	394.3 0.4 (26.0000)	466.0 0.8 (3.1000)	608. 1. (*****)					
	630. 1. (*****)	708.3 1.1 (30.0000)	778.1 1.2 (*****)					
	880.0 1.5 (*****)							
PB 197H	222.4 0.3 (17.9000)	290.4 0.4 (0.6250)	308.0 0.4 (*****)		(R)	PB 197H EC =====> 42. H TL 197 *		
	322.6 0.8 (0.2680)	375.3 0.4 (8.9300)	385.6 0.4 (100.0000)					
	415.5 0.6 (1.0700)	558.0 0.9 (3.0400)	608.5 0.9 (2.8600)					
	695. 1. (10.2000)	722. 1. (2.3200)	761. 1. (5.3600)	773. 1. (13.8000)		872. 1. (1.7500)		
	895. 2. (11.8000)	957. 2. (7.3200)	1261. 2. (6.6100)	1285. 2. (5.8900)				
PB 200	201.6 0.8 (0.7000)	245.0 0.4 (22.0000)	302.6 0.7 (2.2000)		(R)	PB 200 EC =====> 21.5 H TL 200 *		
	348. 1. (2.0000)	419.6 0.4 (53.0000)	462.0 0.4 (63.0000)					
	493.6 0.6 (7.6000)	545.7 0.7 (4.6000)	810.2 0.9 (4.2000)					
	1026.3 0.5 (100.0000)							
PB 202H	124.75 0.09 (0.5610)	129.1 0.2 (0.0408)	148.6 0.2 (0.2300)		(A)	PB 202H IT =====> 3.62H PB 202 *		
	211.92 0.07 (0.7650)	240.8 0.1 (1.1200)	335.6 0.1 (0.2300)					
	389.94 0.07 (6.3300)	417.3 0.2 (0.4080)	422.12 0.06 (87.8000)					
	459.72 0.07 (8.8300)	490.47 0.07 (9.3900)	547.6 0.3 (0.1280)	601.95 0.08 (0.6120)		657.49 0.06 (33.2000 9.7)		
	786.99 0.06 (51.0000 8.5)	954.5 0.2 (1.0200)	960.7 0.2 (93.9000)					
PB 203	279.16 0.02 (80.9000)	401.32 0.01 (3.7000)	680.50 0.02 (0.7400)		(A)	PB 203 EC =====> 52.1 H TL 203 (0,2H),		
PB 211	65.5 0.1 (2.0000 6.1)	81.0 0.2 (1.1700)	83.8 0.1 (1.5000)		(R)	PB 211 E- =====> 36.1 H BI 211 *		
	88.2 0.2 (0.4330)	94.3 0.3 (0.3000)	95.0 0.2 (0.4670)					
	97.3 0.2 (0.3000)	313.8 0.2 (0.8000)	342.7 0.2 (0.9000)					
	404.9 0.1 (100.0000 3.2)	427.0 0.1 (45.0000 4.1)	430. 1. (0.1670)	478.0 0.4 (0.3330)		481.1 0.4 (0.6670)		
	492.0 0.4 (0.3670)	503.3 0.4 (0.4000)	609.5 0.2 (0.6000)	675.0 0.5 (0.1670)		704.5 0.1 (12.6000 5.1)		
	766.4 0.2 (18.5000 5.1)	832.0 0.1 (99.3000 3.2)	865.6 0.3 (0.1670)	1014.7 0.2 (0.4670 8.1)		1080.2 0.1 (0.4000)		
	1090.5 0.5 (0.0667)	1103.4 0.4 (0.1330)	1109.5 0.2 (3.8300 7.1)	1196.6 0.2 (0.3330)		1234.3 0.4 (0.0333)		
	1270.8 0.2 (0.2330)							
BI 198	197.4 0.4 (62.0000)	317.5 0.5 (37.0000)	562.0 0.5 (66.0000)		(R)	BI 198 EC =====> 11.8 H PB 198		
	1062.9 0.6 (100.0000)							

NUCL IDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
BI 203	60.13 0.05	126.23 0.05	186.39 0.05	{R}	BI 203 ^{EC} =====> PB 203 11.8 H		
	(1.0400)	(4.2700)	(11.2000)				
	264.1 0.2	381.1 0.3	483.0 0.4				
	(15.5000)	(2.2700)	(0.4800)				
	544. 1.	558. 1.	568.8 0.3				
	(0.5330)	(0.4000)	(3.4700)				
	594.8 0.7	609.3 0.6	621. 1.				
	(2.0500)	(2.4000)	(0.8000)				
	745.2 0.3	815. 1.	819.9 0.4				
	(5.8700)	(22.1000)	(100.0000)				
	866.7 0.4	898.2 0.4	933.5 0.4				
	(5.3300)	(55.5000)	(6.6700)				
	1087.6 0.5	1119.9 0.5	1124. 1.				
	(0.8530)	(2.4000)	(0.6670)				
	1197.9 0.4	1203.8 0.4	1223.7 0.4				
	(7.4700)	(6.6700)	(2.9300)				
	1302.4 0.5	1309.3 0.6	1335.6 0.6				
	(1.7300)	(0.8000)	(1.3300)				
	1395.5 0.6	1408.3 0.4	1430.7 0.6				
	(0.9330)	(5.3300)	(0.6670)				
	1506.6 0.3	1536.3 0.3	1588. 1.				
	(11.5000)	(25.1000)	(1.7300)				
BI 204	1679.6 0.3	1689.9 0.6	1719.2 0.5	{R}	BI 204 ^{EC} =====> PB 204 11.2 H (D,2N),		
	(26.9000)	(0.6130)	(12.3000)				
	1800.9 0.4	1817.3 0.3	1847.3 0.3				
	(6.6700)	(0.6670)	(34.9000)				
	1928.1 0.5	1983.1 0.3	1991.1 0.8				
	(4.8000)	(2.5300)	(0.2670)				
	2114. 2.	2118. 2.	2144.7 0.8				
	(0.2670)	(0.5330)	(0.8800)				
	2224.8 0.5	2332.5 0.4	2429.2 0.4				
	(0.5870)	(1.1700)	(0.9600)				
	78.6 0.1	80.1 0.1	140.6 0.2				
	(0.3300)	(0.7710)	(1.0100)				
	169.7 0.3	175.7 0.2	212.2 0.3				
	(0.3130)	(1.2100)	(0.2250)				
	215.8 0.2	219.1 0.2	221.9 0.2				
	(1.6900)	(2.4800)	(0.9240)				
	240.1 0.3	248.7 0.2	289.4 0.3				
	(0.3860)	(2.2000)	(2.9000)				
	340.5 0.5	374.4 0.3	405.7 0.5				
	(0.2170)	(80.4000)	(0.2170)				
	439.8 0.3	446.8 0.4	468.2 0.3				
	(3.5800)	(0.5380)	(0.5300)				
	532.2 0.5	584.8 0.5	597.4 0.5				
	(1.4600)	(0.3780)	(0.5710)				
	670.5 0.3	683.4 0.5	690.6 0.4				
	(10.5000)	(0.3780)	(1.0500)				
	724.9 0.3	736.1 0.4	753.6 0.3				
	(0.8680)	(0.6750)	(1.1400)				
	791.1 0.2	833.8 0.3	847.0 0.5				
	(2.9500)	(1.4600)	(0.5630)				
	911.9 0.2	918.3 0.3	933.5 0.5				
	(26.2000)	(1.1500)	(0.2410)				
	972.0 0.5	984.0 0.2	1043.5 0.3				
	(0.2570)	(57.2000)	(1.2100)				
	1101.9 0.5	1111.2 0.4	1127. 1.				
	(0.3700)	(1.3000)	(0.2650)				
	1157.9 0.3	1203.8 0.3	1211.9 0.3				
	(0.4740)	(1.8700)	(2.9100)				
	1273.9 0.4	1327.0 0.5	1351.3 0.4				
	(1.8100)	(0.4900)	(1.8100)				
	1414.0 0.5	1447. 1.	1468.1 0.5				
	(0.9640)	(0.2410)	(0.5870)				
	1571.7 0.6	1588.7 0.4	1606.1 0.8				
	(0.4660)	(0.4980)	(0.2810)				
	1645.2 0.4	1652.2 0.6	1688.6 0.4				
	(0.8360)	(1.1600)	(0.5790)				
	1754.6 0.3	1759. 1.	1781. 1.				
	(1.2400)	(0.3300)	(0.2810)				
	1856.5 0.7	1895.7 0.3	1925.2 0.3				
	(0.3380)	(1.3200)	(0.5950)				
	1959. 1.	1964.0 0.7	2262.7 0.5				
	(0.3540)	(0.3700)	(0.2570)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
BI 205	115.2 0.1 (0.2300)	185.3 0.1 (0.2800)	205.8 0.3 (0.1000)	(R)	BI 205 ^{EC} =====> 15.31D PB 205 *		
	221.0 0.1 (0.0900)	236.00 0.05 (0.1700)	260.51 0.05 (3.1000)				
	262.82 0.07 (1.1900)	282.3 0.1 (1.1500)	284.1 0.1 (4.8000)				
	310.37 0.07 (0.2700)	313.05 0.09 (0.1800)	349.55 0.05 (1.4800)		354.60 0.06 (0.0800)	361.6 0.1 (0.1800)	
	493.70 0.04 (0.9800)	511.006 0.002 (*****)	511.43 0.07 (3.2400)		549.86 0.03 (8.8800)	570.58 0.04 (13.2000)	
	573.87 0.04 (1.7300)	576.2 0.2 (1.0800)	579.78 0.03 (16.8000)		626.72 0.04 (1.7800)	646.07 0.07 (0.2000)	
	688.6 0.1 (0.6300)	703.40 0.04 (100.0000)	717.4 0.1 (0.7700)		720.8 0.2 (0.3700)	723.7 0.1 (0.5300)	
	729.7 0.2 (0.2600)	744.88 0.08 (2.3300)	759.12 0.06 (3.7300)		761.5 0.1 (2.1700)	772.1 0.3 (0.1100)	
	780.84 0.09 (1.5600)	787.8 0.1 (0.3600)	795.69 0.08 (0.4300)		806.43 0.05 (0.5300)	813.81 0.06 (1.4900)	
	828.2 0.1 (0.9600)	852.8 0.3 (0.2300)	860.1 0.1 (1.4000)		871.9 0.1 (1.3200)	890.09 0.04 (2.0600)	
	894.65 0.04 (2.7000)	901.8 0.2 (0.4200)	910.84 0.05 (5.2500)		931.3 0.7 (0.1800)	950.76 0.08 (1.2800)	
	971.5 0.2 (0.9100)	978.5 0.4 (0.1200)	987.56 0.04 (53.4000)		1001.90 0.05 (1.7900)	1014.22 0.07 (3.1000)	
	1043.66 0.06 (23.9000)	1066.0 0.1 (0.3400)	1072.21 0.09 (1.0000)		1107.5 0.1 (0.3700)	1189.94 0.05 (7.3400)	
	1199.8 0.2 (0.6300)	1208.57 0.09 (1.6500)	1264.4 0.3 (0.8400)		1351.5 0.1 (3.5000)	1500.9 0.6 (0.9500)	
	1522.1 1.1 (0.6400)	1550.8 0.2 (3.3000)	1563.1 0.1 (0.7300)		1577.4 0.3 (0.5100)	1594. 2. (0.3300)	
	1614.34 0.06 (6.4000)	1619.1 0.2 (0.7600)	1764.27 0.08 (93.1000)		1775.80 0.06 (11.1000)	1818.3 0.4 (0.1700)	
	1844.7 0.4 (0.0700)	1861.69 0.05 (17.5000)	1903.35 0.07 (6.7100)		1965.5 0.6 (0.0500)	2565.5 0.8 (0.1000)	
	2606.8 0.4 (0.0700)						
BI 207	569.67 0.02 (97.9000)	897.3 0.3 (0.1570)	1063.62 0.02 (74.4000 5.0)	(A)	BI 207 ^{EC} =====> 38. A PB 207		
	1770.22 0.04 (7.3400 5.0)				(D,N),		
BI 212	39.857 0.005 (3.0600 1.0)	144.0 0.2 (0.0280)	164.0 0.6 (0.0130)	(A) PB 212 ==>	BI 212 ^{E-} =====> 60.6 H PD 212 *		
	288.08 0.06 (0.9500 3.2)	295.1 0.2 (0.0670)	328.0 0.1 (0.3900 7.7)				
	433.5 0.5 (0.0400)	452.8 0.1 (0.9500 3.0)	473.5 0.2 (0.1400 7.1)				
	727.15 0.04 (18.5000 2.2)	785.40 0.05 (3.1200 3.5)	893.41 0.06 (1.0300 2.9)		952.1 0.1 (0.4900 6.1)	1074.0 0.5 (0.0440)	
	1078.62 0.07 (1.5100 5.3)	1512.8 0.1 (0.8900 6.8)	1620.54 0.06 (4.3000 3.5)		1679.8 0.4 (0.2000)	1806.0 0.4 (0.3300)	
PD 207	99.8 0.2 (0.2150)	149.6 0.2 (0.1490)	156.1 0.1 (*****)	(R)	PD 207 ^{EC} =====> 5.7 H BI 207 *		
	158.0 0.1 (0.9250)	177.7 0.1 (0.0299)	205.2 0.2 (*****)				
	214.4 0.1 (0.0597)	222.1 0.1 (2.5400)	222.7 0.2 (*****)				
	224.0 0.2 (0.3280)	249.6 0.1 (2.6900)	288.0 0.3 (0.0746)		297.2 0.1 (1.6700)	307.5 0.1 (1.0800)	
	330.1 0.2 (0.3880)	345.2 0.2 (3.3100)	369.5 0.1 (3.1900)		390.0 0.2 (0.1790)	402.4 0.4 (*****)	
	405.7 0.1 (16.8000)	503.3 0.4 (0.2990)	531.7 0.4 (0.9850)		628.9 0.1 (2.4500)	669.5 0.5 (0.8360)	
	687.6 0.1 (3.3700)	742.6 0.1 (48.4000)	770.7 0.7 (1.0500)		892.3 0.2 (0.0717)	911.8 0.1 (29.9000)	
	947.9 0.1 (1.7900)	992.3 0.1 (100.0000)	1020.0 0.2 (0.2990)		1148.3 0.1 (10.2000)	1211. 1. (0.2090)	
	1317.5 0.1 (0.1490)	1360.4 0.2 (1.0500)	1372.4 0.2 (2.3000)		1377.0 0.5 (0.2650)	1586.1 0.2 (0.1790)	
	1662.5 0.4 (0.6570)	1762.7 0.4 (0.4180)	1846.8 0.2 (0.5670)		2060.0 0.2 (2.3900)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS.Y. (U 235)
AT 209	104.2 0.1 (4.2000 9.5)	113.3 0.6 (0.6000)	151.4 0.2 (0.1500)	(R)	AT 209 ^{EC} =====> 5.3 H	PO 209 *	
	190.8 0.2 (0.5000)	195.1 0.2 (25.9000 3.9)	233.2 0.3 (1.0000)				
	239.0 0.2 (13.5000 3.7)	343.1 0.3 (0.8000)	389.0 0.4 (0.5000)				
	405.8 0.7 (0.8000)	447.8 0.8 (0.2000)	545.1 0.1 (100.0000)	551.3 0.3 (6.5000 7.7)	666.1 0.2 (2.1000)		
	781.9 0.2 (94.0000 1.1)	790.3 0.2 (74.0000 1.4)	854.4 0.5 (0.5000)	863.8 0.4 (1.9000)	903.2 0.2 (9.2000 3.3)		
	911.6 0.3 (1.4000)	985.2 0.4 (0.1000)	1103.3 0.3 (6.5000 9.2)	1147.7 0.3 (3.1000 9.7)	1171.2 0.3 (3.8000 7.9)		
	1175.7 0.3 (2.8000)	1217.4 0.4 (1.5000)	1244.6 0.8 (0.1000)	1262.7 0.3 (3.5000 5.7)	1289.7 0.7 (0.3000)		
	1446.9 0.6 (0.7000)	1491.0 0.8 (0.2500)	1576.8 0.8 (1.6000)	1581.9 0.8 (2.7000)	1622.4 0.6 (0.2500)		
	1688.8 0.8 (0.6000)	1744.5 0.8 (0.2000)	1786.3 0.8 (0.2000)	1804.6 0.8 (0.1000)	2588. 1. (0.0200)		
AT 210	116.2 0.1 (0.6500 9.2)	201.8 0.2 (0.1500)	245.3 0.1 (80.0000 5.0)	(A)	AT 210 ^{EC} =====> 8.3 H	PO 210 *	
	250.5 0.2 (0.2100)	298.8 0.2 (0.1100)	316.8 0.2 (0.1700 5.9)				
	402.0 0.2 (0.7800 2.6)	498.9 0.2 (0.1500 6.7)	506.8 0.2 (0.6900 2.9)				
	518.3 0.2 (0.1500 6.7)	527.6 0.1 (1.1500 3.5)	584.0 0.2 (0.3400 5.9)	602.5 0.2 (0.1200)	615.3 0.2 (0.3600 5.6)		
	623.0 0.2 (0.4300 4.7)	630.9 0.2 (0.3100 6.4)	639.4 0.2 (0.2600 7.7)	701.0 0.2 (0.4700 4.3)	721.6 0.3 (0.1000)		
	724.7 0.2 (0.2100)	798.6 0.3 (0.0600)	817.2 0.2 (1.7200 2.9)	852.7 0.2 (1.3900 3.6)	869.4 0.2 (0.1300)		
	881. 0.2 (0.2200 9.1)	909.2 0.3 (0.0900)	929.9 0.2 (0.7600 4.0)	955.8 0.1 (1.8100 3.3)	964.9 0.2 (0.1600)		
	976.5 0.2 (0.8100 4.9)	1041.6 0.2 (0.3000)	1045.9 0.3 (0.1600)	1087.2 0.3 (0.2200)	1181.4 0.1 (100.0000 2.5)		
	1201.2 0.2 (0.1600)	1205.4 0.2 (0.8000 3.8)	1289.0 0.2 (0.5200 3.9)	1324.1 0.2 (0.4700 4.3)	1436.7 0.1 (29.2000 4.5)		
	1483.3 0.1 (46.8000 4.3)	1543.5 0.3 (0.0300)	1552.7 0.2 (0.1700 5.9)	1599.5 0.1 (13.5000)	1648.4 0.2 (0.0720)		
	1684.6 0.5 (0.0260)	1955.0 0.2 (0.4100 4.9)	2001.7 0.2 (0.1100 9.1)	2051.9 0.3 (0.0710 4.2)	2226.0 0.3 (0.0460 6.4)		
	2237.9 0.5 (0.0180)	2246.6 0.5 (0.0260)	2254.0 0.2 (1.5300 3.3)	2266.8 0.3 (0.0290)	2272.7 0.3 (0.3500 2.9)		
	2284.5 0.3 (0.0190)	2290.0 0.3 (0.0120)	2306.2 0.3 (0.0370 5.4)	2352.8 0.2 (0.1400 7.1)	2386.8 0.3 (0.0079)		
RA 214M	74.9 0.5 (5.1700)	87.3 0.3 (16.2000)	101.1 0.5 (*****)	(R)			
	180.4 0.2 (6.7100)	256.6 0.2 (100.0000)					
RA 226	53.23 0.02 (2.2000)	186.0 0.1 (3.3000 3.0)	241.92 0.03 (7.4000 8.1)	(A)	RA 226 ^{AL} =====> 160.01E	RN 222 *	
	258.8 0.1 (0.5600)	274.8 0.1 (0.4800)	295.22 0.04 (18.0000 5.5)				
	351.99 0.06 (35.0000 8.6)	386.8 0.7 (0.3700)	388.9 0.7 (0.4000)				
	405.9 0.4 (0.1500)	455.0 0.3 (0.2900)	462.1 0.2 (0.2100)	470.0 0.3 (0.1300)	480.5 0.2 (0.3400)		
	487.2 0.2 (0.4100)	533.8 0.2 (0.1700)	580.3 0.2 (0.3300)	609.4 0.2 (43.0000 7.0)	665.6 0.2 (1.5000)		
	703.1 0.2 (0.4800)	719.9 0.2 (0.4200)	753.0 0.3 (0.1100)	768.4 0.2 (5.0000)	786.1 0.2 (1.0300)		
	806.2 0.2 (1.2000)	821.2 0.3 (0.1600)	826. 1. (0.1300)	839.1 0.2 (0.5900)	934.1 0.2 (3.1000 9.7)		
	964.2 0.3 (0.3900)	1052.0 0.3 (0.3500)	1070.0 0.3 (0.2700)	1104.0 0.4 (0.1600)	1120.4 0.2 (14.0000 5.7)		
	1133.8 0.3 (0.2500)	1155.3 0.2 (1.7000)	1207.7 0.3 (0.5200)	1238.2 (6.4000 9.4)	1281.1 0.2 (1.6000)		
	1303.8 0.4 (0.1400)	1377.8 0.2 (4.6000 8.7)	1385.4 0.2 (1.0000 7.8)	1401.7 0.3 (1.7000)	1408.0 0.2 (2.8000)		
	1509.5 0.3 (2.2000 9.1)	1538.8 0.3 (0.5300 7.5)	1543.4 0.4 (0.4000)	1583.5 0.3 (0.7700 7.8)	1594.9 0.4 (0.3400 8.8)		
	1599.6 0.4 (0.4000)	1661.5 0.2 (1.2000 6.0)	1684.2 0.3 (0.2600 7.7)	1729.9 0.2 (3.2000 6.3)	1764.7 0.2 (17.0000 4.8)		
	1838.6 0.3 (0.3600 8.3)	1847.7 0.3 (2.2000 9.1)	1873.6 0.3 (0.2300 8.7)	1896.8 0.4 (0.1700)	2118.9 0.3 (1.3000 6.9)		
	2204.5 0.3 (5.4000 9.3)	2293.7 0.3 (0.3500 8.6)	2448.0 0.3 (1.8000 5.1)				

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
AC 228	57.9 0.3 (1.5000)	99.6 0.3 (3.2400)	129.0 0.3 (7.7500)	(R)	AC 228 E- ====> TH 228 * 6.13H		
	141. 1. (0.0900)	146.0 0.5 (0.4900)	154.2 0.3 (2.4600)				
	174. 1. (0.0900)	185. 1. (0.2000)	191.4 0.8 (0.3600)				
	199.7 0.5 (0.8200)	204.5 0.8 (0.3200)	209.5 0.3 (12.9000)	224.0 0.8 (0.2300)	232. 1. (0.1000)		
	257. 1. (0.1000)	263. 1. (0.1600)	270.0 0.3 (13.0000)	279. 1. (0.4400)	282. 1. (0.1700)		
	321.6 0.5 (0.9500)	327.8 0.3 (11.4000)	332.2 0.5 (2.0000)	338.4 0.3 (42.4000)	341. 2. (2.0000)		
	398. 1. (1.0000)	409.3 0.5 (7.3700)	440. 1. (0.4300)	449. 1. (0.1300)	462.8 0.3 (15.9000)		
	478.1 0.8 (1.0300)	503.5 0.8 (0.8400)	509. 1. (2.0000)	520. 1. (0.2500)	523. 1. (0.3500)		
	546.2 0.8 (0.7100)	555. 1. (0.1400)	562.2 0.5 (3.1000)	571.1 0.8 (0.9400)	615.8 0.8 (0.1700)		
	620.3 0.8 (0.2000)	629. 1. (0.1500)	640. 1. (0.2000)	651.3 0.8 (0.3600)	661. 1. (0.1700)		
	667. 1. (0.1700)	675. 1. (0.3000)	677. 1. (0.2500)	688. 1. (0.2000)	701.3 0.8 (0.6900)		
	707. 1. (0.4100)	726.8 0.8 (2.6000)	755. 5. (3.6500)	772.0 0.5 (5.3200)	781.8 0.5 (1.7500)		
	794.8 0.3 (16.3000)	820.2 0.5 (2.1000)	825. 1. (0.1000)	835.5 0.5 (6.0000)	840.2 0.5 (2.9200)		
	870. 1. (0.1600)	874. 1. (0.3100)	887. 1. (0.1100)	904.1 0.5 (3.2800)	911.1 0.3 (100.0000)		
	944.0 0.8 (0.3200)	948.0 0.8 (0.3200)	958.5 0.5 (1.2800)	964.6 0.5 (19.9000)	968.9 0.5 (59.9000)		
	976. 1. (0.2000)	988.0 0.5 (0.6000)	1016. 1. (0.1400)	1020. 1. (0.1400)	1033.2 0.5 (0.7900)		
	1040.2 0.8 (0.3100)	1054. 1. (0.1000)	1065.1 0.5 (0.5300)	1095.7 0.5 (0.4100)	1110.6 0.5 (1.1300)		
	1118. 1. (0.1500)	1153.6 0.8 (0.5400)	1164.8 0.8 (0.2500)	1217. 1. (0.1000)	1247.0 0.5 (2.3600)		
	1287.4 0.5 (0.4900)	1315. 1. (0.1000)	1358. 1. (0.1100)	1431. 1. (0.2000)	1459.2 0.5 (4.0300)		
	1496.0 0.5 (4.6800)	1501.4 0.5 (2.4700)	1528.8 0.8 (0.3000)	1537.7 0.8 (0.1500)	1548.6 0.8 (0.1800)		
	1557.0 0.5 (0.8300)						
TH 233	86.66 0.08 (9.0900)	88.1 0.1 (0.9090)	94.7 0.1 (5.4600)	(A)	TH 233 E- ====> PA 233 * 22.1 H	5.19E+00	
	117.55 0.07 (0.0496)	131.2 0.1 (0.1650)	143.32 0.06 (0.0661)		(N,G),		
	151.4 0.1 (0.0331)	153.50 0.07 (0.2070)	162.66 0.09 (0.9670)				
	169.36 0.09 (1.5700)	171.2 0.3 (0.0331)	179.10 0.07 (0.1820)	186.80 0.07 (0.0785)	190.6 0.1 (0.5460)		
	195.00 0.05 (0.6030)	201.7 0.1 (0.1080)	210.68 0.08 (0.1900)	216.90 0.09 (0.1900)	226.30 0.07 (0.0827)		
	257.38 0.09 (0.3060)	285.3 0.2 (0.0827)	347.6 0.3 (0.0331)	359.90 0.07 (0.4220)	377.3 0.2 (0.1080)		
	431.9 0.2 (0.1570)	440.9 0.2 (0.9090)	447.6 0.2 (0.4880)	459.20 0.07 (4.5500)	467.8 0.2 (0.0785)		
	490.7 0.2 (0.4880)	498.8 0.2 (0.6610)	526.6 0.2 (0.2150)	552.3 0.2 (0.1570)	562.6 0.2 (0.3060)		
	573.5 0.2 (0.1490)	595.3 0.2 (0.4220)	599.3 0.2 (0.1410)	609.9 0.2 (0.2650)	642.8 0.2 (0.0992)		
	669.74 0.05 (2.1500)	677.8 0.2 (0.2810)	707.8 0.4 (0.0240)	716.7 0.2 (0.1820)	724.8 0.2 (0.2730)		
	740.9 0.2 (0.1820)	757.6 0.2 (0.1410)	764.3 0.2 (0.3640)	783.5 0.2 (0.0306)	805.3 0.2 (0.1160)		
	811.0 0.1 (0.0240)	816.1 0.2 (0.1160)	880.6 0.2 (0.0496)	889.9 0.2 (0.3640)	979.0 0.1 (0.0306)		

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT.ACTIVITY (CI/G)	FISS.Y. (U 235)
PA 230	51.74 0.03 (0.0073)	53.20 0.02 (0.0873)	93.94 0.05 (*****)	(A)	PA 230 ^{EC} ====> U 230 * 17.5 0 (D,2N),		
	98.40 0.05 (*****)	104.81 0.05 (*****)	105.55 0.05 (*****)				
	108.46 0.05 (*****)	111.01 0.05 (*****)	120.9 0.2 (0.1390)				
	228.3 0.4 (0.0071)	230.4 0.5 (*****)	235.9 0.5 (*****)	242.1 0.1 (*****)	253.9 0.2 (0.0062)		
	266.0 0.5 (*****)	274.3 0.1 (0.0356)	293.8 0.2 (0.0285)	298.3 0.5 (*****)	299.9 0.1 (*****)		
	311.83 0.05 (*****)	316.9 0.1 (0.0499)	324.22 0.05 (*****)	332.3 0.1 (0.0267)	340.35 0.05 (*****)		
	366.6 0.1 (0.0285)	369.5 0.5 (*****)	375.8 0.2 (0.0098)	380.22 0.05 (0.0890)	398.0 0.1 (0.6590)		
	400.1 0.1 (0.0208)	401.0 0.8 (0.0098)	415.8 0.2 (*****)	441. 1. (0.0463)	443.8 0.1 (1.7800)		
	454.95 0.05 (*****)	463.63 0.05 (0.2830)	503. 1. (0.0214)	508.20 0.04 (1.1600)	518.55 0.05 (0.6550)		
	556.12 0.07 (0.0677)	571.07 0.05 (0.0630)	581.8 0.2 (0.0374)	607.7 0.2 (0.0232)	619.70 0.05 (0.0659)		
	624.5 0.2 (0.0148)	634.9 0.2 (*****)	651.7 0.5 (*****)	677.5 0.2 (0.0089)	728.18 0.05 (0.5610)		
	772.6 0.2 (0.0249)	781.31 0.05 (0.4540)	836.1 0.1 (0.0214)	898.69 0.04 (1.8000)	918.52 0.05 (2.5800)		
	951.98 0.04 (4.6600)	954. 1. (0.0534)	956.2 0.5 (0.5520)	959.6 0.2 (0.2320)	970. 1. (0.0044)		
	999.4 0.1 (0.0039)	1009.68 0.05 (0.3420)	1026.09 0.09 (0.4520)	1074.66 0.05 (0.2260)			
PA 232	47.65 0.05 (0.2200)	80.3 0.1 (0.1900)	105.47 0.05 (1.9000)	(A)	PA 232 ^{E-} ====> U 232 * 1.41E+02 1.310 (N,G),(D,2N), (P,N),		
	108.96 0.05 (3.2000)	139.6 0.1 (0.6200)	150.1 0.1 (11.2000)				
	184.0 0.3 (2.3000)	387.8 0.2 (7.9000 7.6)	421.9 0.2 (2.9000 6.9)				
	453.7 0.3 (9.1000 4.4)	472.4 0.2 (4.5000 4.4)	515.6 0.3 (6.9000 6.9)	563.1 0.2 (3.5000 5.7)	581.6 0.2 (5.8000 6.9)		
	675. 1. (0.0800)	686. 1. (0.0800)	690.8 1.0 (0.1200)	709.8 0.4 (0.2400 8.3)	754.5 0.4 (0.5000 8.0)		
	819.2 0.2 (7.5000 5.3)	866.4 0.2 (7.5000 5.3)	894.3 0.1 (20.0000 4.)	922.7 0.7 (0.0400)	969.3 0.1 (41.6000 2.9)		
	1003.3 0.3 (0.1600 6.3)	1016.4 0.4 (0.0200)	1051. 1. (0.0200)	1054.5 0.3 (0.0700 5.6)	1085.4 0.3 (0.0200)		
	1125.1 0.2 (0.2100 4.8)	1132.7 0.7 (0.0100)	1164.5 0.5 (0.0200)				
PA 233	75.29 0.01 (0.8000)	86.7 0.2 (1.7000)	103.88 0.09 (0.7000)	(A) TH 233 ==>	PA 233 ^{E-} ====> U 233 27.4 0 (D,N),		
	271.4 0.4 (0.2900)	300.2 0.3 (6.3000)	311.8 0.2 (34.0000)				
	340.3 0.2 (3.9000)	375.2 0.2 (0.5600)	398.2 0.2 (1.1000)				
	415.6 0.2 (1.5000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. V. (U 235)
PA 234H	185.5 0.5 (0.1000)	240.9 0.7 (0.2330)	257.9 0.2 (8.0000 6.3)	(R)	PA 234H $\xrightarrow{E-}$ U 234 1.16H		
	337.9 0.3 (0.2170)	387.6 0.3 (0.1670)	451.2 0.5 (0.4170 8.0)				
	453.6 0.6 (0.2170)	468.1 0.4 (0.4000 8.3)	473. 1. (0.0833)				
	475.5 0.5 (0.3500)	544.1 0.4 (0.3000)	691.0 0.3 (0.7330 9.1)	706.3 0.4 (0.2500 6.7)			
	740.1 0.5 (1.2700 6.6)	743.0 0.3 (9.5000 5.3)	760. 1. (0.2000)	766.6 0.2 (34.3000 4.9)	782.3 0.5 (1.0200 6.6)		
	786.4 0.4 (5.7500 4.9)	806.0 0.6 (0.5500 9.1)	808.6 0.8 (0.5170 9.7)	851.9 0.6 (0.7000 9.5)	880.9 0.6 (1.5800 5.3)		
	887.5 0.6 (0.9000 3.7)	922.3 0.5 (1.2300 6.8)	936. 1. (0.1670)	942. 1. (0.2000)	946.3 0.5 (0.6670)		
	1001.2 0.3 (100.0000)	1042.3 0.9 (0.1170)	1061.9 0.6 (0.2000 8.3)	1085.7 0.8 (0.0500)	1120.6 0.5 (0.5170 6.5)		
	1125.7 0.5 (0.4830 6.9)	1194.1 0.5 (1.5300 2.2)	1237.4 0.6 (0.7000 4.8)	1393. 1. (0.2500)	1414. 1. (0.3000)		
	1434.3 0.8 (0.8170 6.1)	1510.5 0.7 (1.3500 6.2)	1527. 1. (0.2330)	1550. 1. (0.1330)	1554.1 0.7 (0.9000 5.6)		
	1558. 1. (0.0667)	1571. 1. (0.1170)	1593.7 0.6 (0.5330 9.4)	1602. 1. (0.0500)	1738.2 0.6 (2.0000 8.3)		
	1759. 1. (0.1170)	1764.1 0.6 (1.1500)	1796. 1. (0.0500)	1809.0 0.8 (0.3000)	1820. 1. (0.0667)		
	1831.5 0.8 (1.8300 9.1)	1864. 1. (0.1330)	1868.2 0.8 (0.8670 5.8)	1875.5 0.9 (0.9670)	1894. 1. (0.1670)		
	1911.8 0.9 (0.5500 6.1)	1938. 1. (0.2500 6.7)	1970. 1. (0.0333)	2020. 1. (0.0333)			
U 237	59.8 0.2 (36.0000)	164.6 0.2 (2.0000)	208.0 0.2 (28.0000)	(A)	U 237 $\xrightarrow{E-}$ NP 237 * 6.75D		
	267.6 0.2 (0.7600)	332.4 0.2 (1.3000)	370. (0.0500)		(N,G),(N,2N),		
U 239	43.5 (1.2000)	74.7 (62.0000)	278. (0.0520)	(A)	U 239 $\xrightarrow{E-}$ NP 239 * 1.85E+00 23.5 H		
	334. (0.0125)	345. (0.0075)	373. (0.0310)		(N,G),		
	377. (0.0170)	381. (0.0140)	421. (0.0082)				
	447. (0.0082)	449. (0.0082)	486. (0.0680)	492. (0.0160)	576. (0.0100)		
	588. (0.0225)	604. (0.0079)	631. (0.0510)	644. (0.0120)	662. (0.2030)		
	692. (0.0130)	723. (0.0330)	731. (0.0130)	749. (0.1270)	754. (0.0120)		
	775. (0.0170)	792. (0.0100)	814. (0.1100)	820. (0.1500)	845. (0.2200)		
	875. (0.0070)	884. (0.0100)	890. (0.0300)	915. (0.0040)	919. (0.0100)		
	934. (0.0600)	965. (0.1700)	994. (0.0050)				
NP 238	43.8 (0.0500)	173.8 0.1 (0.0200)	301.3 0.3 (0.0150)	(A)	NP 238 $\xrightarrow{E-}$ PU 238 * 1.17E+00 50.8 H		
	323.9 0.3 (0.0150)	357.35 0.04 (0.0500)	380.3 0.3 (0.0150)		(N,G),(D,2N), (P,N),		
	420.95 0.07 (0.0300)	515.3 0.2 (0.0500)	560.83 0.07 (0.1000)				
	604.90 0.06 (0.0800)	617.21 0.06 (0.1000)	833.3 0.2 (0.9000)	882.37 0.06 (0.8000)	918.15 0.06 (0.5300)		
	923.7 0.2 (2.5000)	936.2 0.1 (0.3400)	941.09 0.08 (0.5000)	962.47 0.07 (0.6500)	984.3 0.3 (25.0000)		
	1025.9 0.4 (9.2000)	1027.4 0.3 (17.0000)	1029.7 0.3 (1.9000)				
NP 239	62. (*****)	106.1 0.2 (23.0000)	181.7 (0.0600)	(A) U 239 $\Rightarrow$	NP 239 $\xrightarrow{E-}$ PU 239 * 2.35D		
	209.8 (4.0000)	228.2 0.2 (12.7000)	254. (0.1200)				
	277.5 (14.0000)	285. (0.6300)	315.7 0.2 (1.5000)				
	334.1 0.2 (2.0000)						

NUCLIDE	ENERGY (KEV) INTENSITY			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. V. (U 235)
PU 246	27.58 0.02 (14.0000)	43.81 0.02 (100.0000)	66.60 0.02 (1.0000)	(R)	PU 246 E- =====> AM 246 * 10.9 D		
	75.64 0.02 (0.7200)	149.42 0.03 (0.2300)	158.42 0.03 (0.1400)				
	179.94 0.02 (39.0000)	189.0 0.04 (0.1900)	216.55 0.04 (0.4500)				
	223.75 0.02 (94.0000)	232.75 0.03 (0.3200)	255.54 0.03 (0.9200)		299.34 0.06 (0.1200)		
AM 238	301.4 0.2 (2.0000)	357.7 0.1 (8.1000)	515.6 0.2 (1.7000)	(R)	AM 238 EC =====> PU 238 * 1.9 H		
	561.1 0.1 (39.0000)	605.2 0.1 (27.0000)	617.5 0.2 (2.7000)				
	679.8 0.5 (1.0000)	822.1 0.4 (1.0000)	897.4 0.5 (2.0000)				
	918.7 0.1 (1.0000)	941.4 0.2 (7.3000)	962.7 0.1 (100.0000)		1219.7 0.5 (0.5000)	1237.2 0.5 (0.5000)	
	1266.3 0.1 (6.2000)	1293.3 0.4 (1.3000)	1403.4 0.4 (2.4000)		1447.4 0.2 (2.0000)	1577.5 0.2 (11.0000)	
	1592.7 1.0 (2.5000)	1636.6 0.1 (4.5000)	1682.5 0.1 (2.0000)		1726.6 0.5 (1.0000)		
AM 239	181.2 (6.9000)	209.7 (24.0000)	226.1 (22.0000)	(R)	AM 239 EC =====> PU 239 12.1 H		
	228.1 (86.0000)	254.6 (0.5000)	277.6 (100.0000)		(P,N) , (D,2N) ,		
	285.4 (5.7000)	454.2 (0.1000)	503.7 (0.1000)				
AM 241	11.9 0.1 (0.8000)	13.9 0.1 (13.5000 2.4)	17.8 0.1 (18.4000 2.2)	(A)	AM 241 AL =====> NP 237 * 432.9 A		
	20.8 0.1 (5.0000)	26.345 0.001 (2.5000 8.0)	59.537 0.001 (35.9000 1.7)				
AM 243	43.531 (5.5000 5.5)	74.673 (66.0000 4.5)	99.536 (14.5000 4.1)	(A)	AM 243 AL =====> NP 239 * 795.01E		
	103.75 (22.2000 3.6)	106.14 (27.8000 3.2)	117.1 (8.9000 4.5)				
	120.6 (2.7700 3.6)	181.71 (0.0750)	209.76 (3.4200 2.9)				
	228.2 (11.4000 2.6)	254.41 (0.1100 9.1)	272.87 (0.0800)		277.62 (14.2000 2.8)	285.47 (76.0000)	
	315.91 (1.5200 3.3)	334.33 (1.9500 3.6)					
AM 244	99.3 0.2 (5.3000)	153.7 0.2 (17.9000)	205.4 0.2 (3.3000)	(A)	AM 244 E- =====> CM 244 * 10.1 H		
	744.1 0.2 (66.2000)	818.1 0.2 (27.1000)			(N,G) ,		

NUCLIDE	ENERGY (KEV)			ABS/REL	DECAY CHAIN	SAT. ACTIVITY (CI/G)	FISS. Y. (U 235)
AM 246H	138.5 0.1 (0.0500)	170.96 0.03 (0.4800)	237.19 0.04 (0.5200)	(R)	AM 246H E- =====> CH 246 25.0 M		
	238.61 0.03 (0.5300)	244.02 0.02 (2.5000 6.9)	246.09 0.02 (3.5000 5.7)				
	251.3 0.1 (0.0900)	261.67 0.03 (0.5600)	263.2 0.1 (0.1200)				
	270.05 0.02 (3.7000 4.9)	287.76 0.03 (0.4500)	321.1 0.1 (0.0610)	344.0 0.1 (0.0740)	347.2 0.1 (0.1000)		
	360.4 0.1 (0.2200)	401.70 0.03 (0.9500)	421.2 0.1 (0.0800)	465.8 0.2 (0.0900)	472.3 0.1 (0.1300)		
	477.0 0.2 (0.0700)	488.9 0.1 (0.3400)	493.5 0.1 (0.4300)	543.0 0.1 (0.1000)	565.9 0.1 (0.1400)		
	649.55 0.04 (1.3000 6.0)	678.0 0.2 (0.1700)	684.34 0.04 (2.2000 6.5)	698.3 0.1 (0.4200)	717.2 0.1 (0.9300)		
	724.8 0.1 (0.8600)	734.46 0.04 (4.7000 4.3)	745.2 0.1 (0.9000)	752.05 0.04 (3.2000 6.3)	759.60 0.04 (2.4000 7.0)		
	779.7 0.1 (0.2700)	781.24 0.04 (0.6800)	798.83 0.04 (100.0000 5.0)	833.62 0.04 (7.3000 5.5)	939.1 0.1 (0.3000)		
	986.06 0.04 (3.9000 4.9)	1023.5 0.4 (0.1100)	1036.03 0.04 (52.0000 5.8)	1062.07 0.04 (69.0000 5.8)	1078.90 0.04 (110.0000 5.3)		
	1085.1 0.1 (6.2000)	1113.2 0.1 (0.0210)	1122.9 0.1 (0.4500)	1124.4 0.1 (0.9300)	1158.4 0.2 (0.0800)		
	1176.5 0.9 (0.0270)	1206.96 0.05 (0.6600)	1249.8 0.1 (0.6400)	1257.6 0.1 (0.1700)	1274.7 0.1 (1.2000 6.1)		
	1306.0 0.1 (0.0500)	1324.0 0.1 (0.1600)	1348.9 0.1 (0.6300)	1383.9 0.2 (0.0330)	1409.3 0.1 (0.1500)		
	1435.6 0.1 (0.1100)	1452.0 0.1 (0.2000)	1479.6 0.2 (1.0000 9.9)	1529.7 0.5 (0.6700)	1551.1 0.1 (1.6000 5.0)		
	1561.4 0.1 (0.5000)	1590.9 0.1 (2.3000 4.9)	1604.3 0.1 (0.4500)	1619.0 0.1 (0.5700)	1628.4 0.2 (0.2400)		
	1638.1 0.1 (0.6900)	1661.8 0.1 (1.0000)	1669.8 0.1 (0.0700)	1738.2 0.1 (0.4900)	1802.1 0.1 (0.0410)		
	1827.8 0.1 (0.0830)	1837.2 0.3 (0.0160)	1867.2 0.2 (0.0270)	1881.8 0.2 (0.0300)	1887.3 0.2 (0.0540)		
	1924.7 0.2 (0.0310)						
AM 246	99.2 0.2 (9.0000)	127.4 0.5 (6.0000)	153.5 0.5 (48.0000)	(R)	AM 246 E- =====> CH 246 * 40. M		
	205. 1.0 (68.0000)	629. 1.0 (5.0000)	679. 1.0 (100.0000)				
	686. 2.0 (4.0000)	756. 1.0 (25.0000)	781. 1.0 (7.5000)				
	834. 1.0 (10.0000)	839. 2.0 (4.0000)					
CM 243	57.26 (0.1400 7.1)	99.536 (13.5000 3.7)	103.750 (20.8000 3.8)	(A)	CM 243 AL =====> PU 239 * 32. A		
	117.1 (7.6000 3.9)	120.6 (2.6000 3.8)	209.76 (3.3000 3.0)				
	228.2 (10.6000 2.8)	254.41 (0.1100 9.1)	272.87 (0.0800)				
	277.62 (14.0000 2.9)	285.47 (0.7300 2.7)	311.7 (0.0170)	315.91 (0.0180)	322.3 (0.0070)		
	337.33 (0.0240)						
CF 249	54.8 0.1 (0.1970 4.6)	92.5 0.1 (0.3400 2.9)	104.6 0.1 (2.4000 3.4)	(A)	CF 249 AL =====> CM 245 * 360. A		
	109.3 0.1 (3.7000 3.2)	123.4 0.2 (1.4000 4.3)	127.1 0.2 (0.4900 6.1)				
	240.8 0.2 (0.2200 9.1)	252.7 0.1 (2.6000 3.1)	266.6 0.1 (0.7200 4.2)				
	295.7 0.2 (0.1400 6.3)	321.3 0.2 (0.0620 9.7)	333.3 0.1 (15.0000 3.4)	388.1 0.1 (66.0000 3.0)			

Tabelle 2:

**Durch geladene Teilchen erzeugte Nuklide
geordnet nach Energien**

Einteilung der Tabelle 2

2. <u>166.30</u> <u>41.30</u> 3.	1. <u>AU 189</u> -----	713.40 100.00	813.10 98.30	348.10 55.90	447.80 54.40	2. <u>166.30<*</u> <u>41.30</u> 3.	528.70 41.10	441.70 34.40	5. <u>HI 29.70M</u> <u>NI *****</u> 8.	6. <u>NU:24</u>	7. <u>DIPT 189 *</u>
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1. Name des Nuklides
2. Energie in keV
3. Relative Intensität der Linie
4. Weitere Energien des Nuklides nach fallenden Intensitäten geordnet. Die unter 2. angegebene Linie ist durch einen Pfeil hervorgehoben. Aus Platzgründen konnten nur die 7 intensivsten Linien berücksichtigt werden. Unter 6. ist die Zahl der in Tabelle 1 enthaltenen Linien angegeben.
5. Halbwertszeit
6. Zahl der in Tabelle 1 angegebenen Linien
7. Zerfallsprodukt
Ist das Zerfallsprodukt selbst radioaktiv, so wurde es durch ein Sternchen gekennzeichnet.
8. Normierungsfaktor zur Umrechnung der relativen Intensitäten aus absolute Intensitäten. Ist die absolute Intensität unbekannt, so werden statt dessen Sternchen ausgedruckt.

Layout of table II

2. 166.30 41.30 3.	1. AU 189 -----	713.40 100.00	813.10 58.30	348.10 55.90	447.80 54.40	2. 166.30<u 41.30 3.	528.70 41.10	441.70 34.40	5. H: 29.70M N: ***** 8.	6. NU:24	7. D:PT 189 *
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1. Name of the nuclide

2. Energy in keV

3. Relative intensity

4. Associated energies of the nuclide ordered according to decreasing intensities. The line given under 2. is marked by an arrow. For reason of limited space only the 7 most intensive lines are listed (refer 6.).

5. Half-line

6. Number of lines given in table I.

7. Decay product

Radioactive decay products are marked by an asterisk.

8. Normalizing factor for converting relative to absolute intensity. If the absolute intensity is unknown, asterisks are printed.

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF	D: DAUGHTER ENERGIES IN	N: NORMAL FACTOR TABLE 1
11.90 2.23	AM 241 -----	59.54 100.00	17.80 51.25	13.90 37.60	20.80 13.93	26.34 6.96	11.90<= 2.23		H: 432.90A N: 0.35900	NU: 6	D: NP 237 *
13.90 37.60	AM 241 -----	59.54 100.00	17.80 51.25	13.90<= 37.60	20.80 13.93	26.34 6.96	11.90 2.23		H: 432.90A N: 0.35900	NU: 6	D: NP 237 *
14.41 11.18	CO 57 -----	122.06 100.00	136.47 13.41	14.41<= 11.18	692.10 0.18	570.10 0.02	706.60 0.01	339.70 0.00	H: 271.60D N: 0.85000	NU: 10	D: FE 57
17.80 51.25	AM 241 -----	59.54 100.00	17.80<= 51.25	13.90 37.60	20.80 13.93	26.34 6.96	11.90 2.23		H: 432.90A N: 0.35900	NU: 6	D: NP 237 *
20.80 13.93	AM 241 -----	59.54 100.00	17.80 51.25	13.90 37.60	20.80<= 13.93	26.34 6.96	11.90 2.23		H: 432.90A N: 0.35900	NU: 6	D: NP 237 *
21.54 46.20	GD 151 -----	153.57 100.00	243.22 89.90	174.65 46.30	21.54<= 46.20	307.43 16.50	239.00 2.31	353.51 2.04	H: 120.00D N: *****	NU: 19	D: EU 151
24.40 20.30	PD 101 -----	296.25 100.00	590.36 62.00	269.66 30.90	24.40<= 20.30	565.77 18.00	723.76 12.00	1289.03 12.00	H: 8.30H N: *****	NU: 48	D: RH 101#*
26.34 6.96	AM 241 -----	59.54 100.00	17.80 51.25	13.90 37.60	20.80 13.93	26.34<= 6.96	11.90 2.23		H: 432.90A N: 0.35900	NU: 6	D: NP 237 *
27.58 14.00	PU 246 -----	43.81 100.00	223.75 94.00	179.94 39.00	27.58<= 14.00	66.60 1.00	255.54 0.92	75.64 0.72	H: 10.90D N: *****	NU: 13	D: AM 246 *
30.64 100.00	HG 28 -----	30.64<= 100.00	1342.00 72.63	399.80 32.63	941.50 29.47				H: 21.10H N: 0.95000	NU: 4	D: AL 28 *
30.94 6.46	AU 195 -----	98.84 100.00	129.78 7.26	30.94<= 6.46	211.10 0.18	199.80 0.10			H: 183.00D N: 0.11300	NU: 5	D: PT 195
36.20 11.20	IR 189 -----	245.00 100.00	69.50 59.00	59.10 21.00	36.20<= 11.20	275.80 9.00	219.40 8.80	216.70 8.60	H: 13.30D N: *****	NU: 25	D: CS 189
39.75 100.00	PD 103 -----	39.75<= 100.00	357.20 80.46	497.00 18.27	294.90 13.83	62.40 4.85	317.40 0.08	443.90 0.04	H: 18.40D N: 0.00079	NU: 8	D: RH 103
39.86 16.54	BI 212 -----	727.15 100.00	1620.54 23.24	785.40 16.86	39.86<= 16.54	1078.62 8.16	893.41 5.57	452.80 5.35	H: 60.60H N: 0.18500	NU: 19	D: PO 212 *
40.80 3.40	CU 58 -----	511.01 100.00	1454.10 7.75	1448.00 5.55	40.80<= 3.40	1321.40 0.55	1488.30 0.52	167.10 0.48	H: 3.20S N: 2.00000	NU: 25	D: NI 58
40.87 100.00	ZN 62 -----	40.87<= 100.00	548.29 62.22	243.41 10.31	393.84 9.24	247.02 8.27	260.41 5.96	636.90 3.31	H: 9.75H N: 0.22500	NU: 9	D: NI 62
41.00 18.00	SB 118H -----	1229.50 100.00	1050.80 98.00	253.90 93.00	511.01 32.00	41.00<= 18.00	1091.80 2.40	984.00 1.50	H: 5.10H N: 0.01000	NU: 8	D: SN 118
42.80 5.41	GE 64 -----	427.00 100.00	667.10 45.95	128.20 29.73	774.50 18.92	384.10 13.51	85.70 5.41	42.80<= 5.41	H: 63.00S N: 0.37000	NU: 7	D: GA 64
43.81 100.00	PU 246 -----	43.81<= 100.00	223.75 94.00	179.94 39.00	27.58 14.00	66.60 1.00	255.54 0.92	75.64 0.72	H: 10.90D N: *****	NU: 13	D: AM 246 *
44.66 100.00	YB 162 -----	44.66<= 100.00	163.47 15.65	118.77 13.82					H: 18.90H N: 0.02620	NU: 3	D: TP 162 *
45.50 50.00	KR 76 -----	315.70 100.00	270.20 54.47	45.50<= 50.00	406.50 30.73	451.90 25.14	252.00 16.20	355.30 12.60	H: 14.80H N: 0.35800	NU: 52	D: BR 76 *
53.21 3.54	BA 133 -----	356.03 100.00	81.00 57.53	302.84 29.81	383.84 14.33	276.40 11.65	79.65 4.58	53.21<= 3.54	H: 10.35A N: 0.62400	NU: 9	D: CS 133
53.80 2.73	GA 65 -----	511.01 100.00	115.10 30.60	61.10 6.56	153.00 4.97	751.80 4.54	53.80<= 2.73	206.90 1.42	H: 15.20H N: 1.83000	NU: 174	D: ZN 65 *
55.50 18.00	OS 182 -----	509.90 100.00	180.20 68.00	55.50<= 18.00	263.20 13.50	130.80 6.50	274.30 3.40	241.40 1.90	H: 21.00H N: *****	NU: 33	D: RE 182 *
56.70 100.00	HG 195H -----	56.70<= 100.00	261.75 98.40	560.24 16.30	387.93 4.88	200.35 2.06	1241.00 1.48	525.80 1.15	H: 40.00H N: *****	NU: 37	D: HG 195 *
56.70 2.57	HG 195 -----	61.43 100.00	779.78 8.42	180.23 5.22	585.11 2.58	207.07 2.58	56.70<= 2.57	261.75 2.52	H: 9.50H N: *****	NU: 33	D: AU 195 *
56.80 100.00	IR 192H -----	56.80<= 100.00							H: 1.40H N: 0.00005	NU: 1	D: IR 192 *
58.20 100.00	DY 159 -----	58.20<= 100.00	348.00 0.02	80.00 0.00	290.00 0.00				H: 144.00D N: 0.04000	NU: 4	D: TB 159
59.10 21.00	IR 189 -----	245.00 100.00	69.50 59.00	59.10<= 21.00	36.20 11.20	275.80 9.00	219.40 8.80	216.70 8.60	H: 13.30D N: *****	NU: 25	D: CS 189
59.54 100.00	AM 241 -----	59.54<= 100.00	17.80 51.25	13.90 37.60	20.80 13.93	26.34 6.96	11.90 2.23		H: 432.90A N: 0.35900	NU: 6	D: NP 237 *
59.67 5.09	ER 172 -----	610.00 100.00	407.30 97.69	68.05 7.92	445.90 7.06	127.68 7.06	383.50 5.53	59.67<= 5.09	H: 49.00H N: 0.43200	NU: 14	D: TH 172 *

ENERGY (INTENS.)	NUCL. IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF	D: DAUGHTER NU: ENERGIES IN	N: NORMAL FACTOR I: TABLE I
60.04 5.00	TB 155 -----	86.60 100.00	105.36 72.50	162.30 23.50	180.10 22.00	263.20 14.20	148.60 7.20	60.04<= 5.00	H: 5.32D N: *****	NU: 16	D: GO 155
60.10 100.00	IN 121M -----	60.10<= 100.00	1041.20 5.50	1102.20 4.50	321.00 2.50	1120.40 2.50	908.90 1.63	2803.80 0.55	H: 3.76H N: *****	NU: 11	D: SN 121 *
61.10 6.56	GA 65 -----	511.01 100.00	115.10 30.60	61.10<= 6.56	153.00 4.97	751.80 4.54	53.80 2.73	206.90 1.42	H: 15.20H N: 1.83000	NU: 74	D: ZN 65 *
61.43 100.00	HG 195 -----	61.43<= 100.00	779.78 8.42	180.23 5.22	585.11 2.58	207.07 2.58	56.70 2.57	261.75 2.52	H: 9.50H N: *****	NU: 33	D: AU 195 *
61.50 10.26	ZN 60 -----	511.01 100.00	670.20 25.85	61.50<= 10.26	273.40 4.51	334.40 3.76	364.60 1.36	572.40 1.06	H: 2.33H N: 1.95000	NU: 8	D: CU 60 *
61.80 1.80	XE 122 -----	564.00 100.00	350.10 44.00	148.70 16.00	416.90 11.00	90.60 2.80	288.60 2.20	61.80<= 1.80	H: 20.10H N: *****	NU: 15	D: J 122 *
62.30 13.83	CR 49 -----	511.01 100.00	90.70 13.83	62.30<= 13.83	152.80 0.64				H: 41.70H N: 1.88000	NU: 4	D: V 49 *
62.40 4.85	PD 103 -----	39.75 100.00	357.20 80.46	497.00 18.27	294.90 13.83	62.40<= 4.85	317.40 0.08	443.90 0.04	H: 18.40D N: 0.00079	NU: 8	D: RH 103
63.58 69.60	YB 163 -----	860.26 100.00	63.58<= 69.60	123.21 19.90	326.05 17.20	1746.70 17.20	130.86 17.00	1908.10 15.30	H: 10.96H N: *****	NU: 58	D: TM 163 *
63.98 25.53	AG 105 -----	344.52 100.00	280.44 72.34	443.37 27.90	644.55 27.66	63.98<= 25.53	331.51 10.73	319.16 10.64	H: 40.00D N: 0.42300	NU: 34	D: PD 105
65.20 16.00	GE 66 -----	511.01 100.00	381.85 65.00	108.85 27.00	272.97 25.00	338.05 19.00	470.62 18.00	65.20<= 16.00	H: 2.40H N: *****	NU: 89	D: GA 66 *
65.50 2.00	PB 211 -----	404.90 100.00	832.00 99.30	427.00 45.00	766.40 18.50	704.50 12.60	1109.50 3.83	65.50<= 2.00	H: 36.10H N: *****	NU: 30	D: BI 211 *
66.00 0.50	TE 121 -----	572.90 100.00	507.50 22.50	470.00 1.75	66.00<= 0.50				H: 17.00D N: 0.80000	NU: 4	D: SB 121
66.60 100.00	RB 77 -----	66.60<= 100.00	178.90 38.00	393.50 13.00	150.10 7.50	254.30 3.10	244.40 2.50		H: 3.90H N: *****	NU: 6	D: KR 77 *
66.60 1.00	PU 246 -----	43.81 100.00	223.75 94.00	179.94 39.00	27.58 14.00	66.60<= 1.00	255.54 0.92	75.64 0.72	H: 10.90D N: *****	NU: 13	D: AM 246 *
66.70 7.20	CD 104 -----	83.50 100.00	709.20 24.50	559.00 8.00	66.70<= 7.20	625.60 2.70	123.70 0.55	150.20 0.17	H: 57.00H N: *****	NU: 7	D: AG 104 *
66.90 14.00	CS 136 -----	818.48 100.00	1048.10 81.00	340.60 45.00	1235.41 20.00	66.90<= 14.00	176.75 13.00	273.76 13.00	H: 13.00D N: 1.00000	NU: 15	D: BA 136
67.00 57.03	SE 73 -----	511.01 100.00	360.90 78.13	67.00<= 57.03	864.90 0.43	1110.80 0.15	901.10 0.12	764.40 0.11	H: 7.10H N: 1.28000	NU: 20	D: AS 73 *
67.60 92.86	TI 44 -----	78.20 100.00	67.60<= 92.86						H: 48.00A N: 0.98000	NU: 2	D: SC 44 *
67.60 3.58	CU 61 -----	511.01 100.00	283.00 10.83	656.01 8.00	67.60<= 3.58	1185.00 3.00	373.60 1.58	588.60 1.00	H: 3.35H N: 1.20000	NU: 25	D: NI 61
67.70 14.10	PD 98 -----	112.40 100.00	663.00 52.80	106.80 32.80	837.90 30.30	661.70 30.00	67.70<= 14.10	174.40 10.70	H: 17.90H N: *****	NU: 10	D: RH 98 *
68.05 7.92	ER 172 -----	610.00 100.00	407.30 97.69	68.05<= 7.92	445.90 7.06	127.68 7.06	383.50 5.53	59.67 5.09	H: 49.00H N: 0.43200	NU: 14	D: TH 172 *
69.50 59.00	IR 189 -----	245.00 100.00	69.50<= 59.00	59.10 21.00	36.20 11.20	275.80 9.00	219.40 8.80	216.70 8.60	H: 13.30D N: *****	NU: 25	D: OS 189
69.60 7.89	GD 153 -----	97.43 100.00	103.19 72.56	69.60<= 7.89	84.00 0.73	173.00 0.60			H: 242.00D N: 0.31700	NU: 5	D: EU 153
74.00 42.29	PR 133 -----	511.01 100.00	134.30 57.14	315.60 48.57	74.00<= 42.29	465.00 28.57	330.80 24.57	241.90 22.86	H: 6.50H N: *****	NU: 52	D: CE 133 *
74.67 86.84	AM 243 -----	285.47 100.00	74.67<= 86.84	106.14 36.58	103.75 29.21	99.54 19.08	277.62 18.68	228.20 15.00	H: 795.01E N: 0.76000	NU: 16	D: NP 239 *
74.90 5.17	RA 214M -----	256.60 100.00	87.30 16.20	180.40 6.71	74.90<= 5.17				H: 0.0 N: *****	NU: 4	D: \$\$\$\$
75.29 2.35	PA 233 -----	311.80 100.00	300.20 18.53	340.30 11.47	86.70 5.00	415.60 4.41	398.20 3.24	75.29<= 2.35	H: 27.40D N: 0.34000	NU: 10	D: U 233
75.64 0.72	PU 246 -----	43.81 100.00	223.75 94.00	179.94 39.00	27.58 14.00	66.60 1.00	255.54 0.92	75.64<= 0.72	H: 10.90D N: *****	NU: 13	D: AP 246 *
76.23 4.86	ER 161 -----	826.55 100.00	211.15 44.88	592.65 5.40	76.23<= 4.86	314.76 4.11	94.13 2.00	864.90 1.98	H: 3.10H N: 0.61500	NU: 96	D: HO 161 *
77.00 100.00	HG 197 -----	77.00<= 100.00	191.40 11.11	269.00 0.83					H: 64.14H N: 0.18000	NU: 3	D: AU 197

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE 1
78.20 100.00	TI 44 -----	78.20<= 100.00	67.60 92.86							H: 48.00A N: 0.9000	NU: 2	D: SC 44 *
79.65 4.58	BA 133 -----	356.03 100.00	81.00 57.53	302.84 29.81	383.84 14.33	276.40 11.65	79.65<= 4.58	53.21 3.54		H: 10.35A N: 0.62400	NU: 9	D: CS 133
80.00 0.00	DY 159 -----	58.20 100.00	348.00 0.02	80.00<= 0.00	290.00 0.00					H: 144.00D N: 0.04000	NU: 4	D: TB 159
80.00 84.78	HO 162 -----	185.00 100.00	511.01 97.83	80.00<= 84.78	930.00 51.00	1220.00 46.74	283.00 32.61			H: 15.00M N: 0.09200	NU: 6	D: DY 162
80.70 31.10	HO 162M -----	185.00 100.00	1220.00 78.40	282.90 39.30	937.20 37.30	80.70<= 31.10	1319.60 7.26	1124.90 4.07		H: 68.00M N: *****	NU: 42	D: HO 162
80.80 100.00	DY 153 -----	80.80<= 100.00	62.50 100.00	100.00 88.54	255.00 66.67	274.00 57.29	148.00 38.54	245.00 30.21		H: 6.29H N: 0.09600	NU: 7	D: TB 153 *
81.00 57.53	BA 133 -----	356.03 100.00	81.00<= 57.53	302.84 29.81	383.84 14.33	276.40 11.65	79.65 4.58	53.21 3.54		H: 10.35A N: 0.62400	NU: 9	D: CS 133
82.50 100.00	DY 153 -----	80.80 100.00	82.50<= 100.00	100.00 88.54	255.00 66.67	274.00 57.29	148.00 38.54	245.00 30.21		H: 6.29H N: 0.09600	NU: 7	D: TB 153 *
82.50 24.00	PT 191 -----	539.00 100.00	410.00 51.80	360.00 39.40	82.50<= 24.00	172.03 22.50	351.01 22.30	96.51 20.10		H: 3.00D N: *****	NU: 33	D: IR 191
82.64 33.30	PR 135 -----	511.01 100.00	256.12 66.70	82.64<= 33.30	213.45 31.80	538.20 19.70	697.50 10.50	613.80 4.35		H: 22.00M N: *****	NU: 43	D: CE 135 *
83.50 100.00	CD 104 -----	83.50<= 100.00	709.20 24.50	559.00 8.00	66.70 7.20	625.60 2.70	123.70 0.55	150.20 0.17		H: 57.00M N: *****	NU: 7	D: AG 104 *
84.00 0.73	GD 153 -----	97.43 100.00	103.18 72.56	69.60 7.89	84.00<= 0.73	173.00 0.60				H: 242.00D N: 0.31700	NU: 5	D: EU 153
84.26 100.00	TM 170 -----	84.26<= 100.00								H: 128.60D N: 0.03400	NU: 1	D: YB 170
84.26 85.00	LU 170 -----	2041.40 100.00	1279.80 56.00	84.26<= 85.00	985.30 83.00	1054.00 59.70	2125.60 50.00	1364.10 48.00		H: 2.02D N: *****	NU: 99	D: YB 170
84.50 5.60	SE 73M -----	511.01 100.00	253.80 66.70	84.50<= 5.60	393.30 4.90	401.60 3.80	577.50 2.90	320.40 2.60		H: 43.00M N: *****	NU: 32	D: AS 73 *
85.70 5.41	GE 64 -----	427.00 100.00	667.10 45.95	128.20 29.73	774.50 18.92	384.10 13.51	85.70<= 5.41	42.80 5.41		H: 63.00S N: 0.37000	NU: 7	D: GA 64
86.50 100.00	HO 157 -----	86.50<= 100.00	341.10 65.38	280.00 40.38	193.40 36.92	272.20 18.08	198.10 16.15	896.60 15.77		H: 14.00M N: 0.26000	NU: 98	D: DY 157 *
86.60 100.00	TB 155 -----	86.60<= 100.00	105.36 72.50	162.30 23.50	180.10 22.00	263.20 14.20	148.60 7.20	60.04 5.00		H: 5.32D N: *****	NU: 16	D: GD 155
86.70 5.00	PA 233 -----	311.80 100.00	300.20 18.53	340.30 11.47	66.70<= 5.00	415.60 4.41	308.20 3.24	75.29 2.35		H: 27.40D N: 0.34000	NU: 10	D: U 233
87.27 13.00	LU 169 -----	960.30 100.00	191.30 95.00	1450.40 40.00	889.50 20.00	67.27<= 13.00	378.60 9.50	1184.50 9.10		H: 34.06H N: *****	NU: 95	D: Y 169 *
87.30 16.20	RA 214M -----	256.60 100.00	87.30<= 16.20	180.40 6.71	74.90 5.17					H: 0.0 N: *****	NU: 4	D: \$\$\$\$
87.80 43.60	LU 168 -----	158.80 100.00	87.80<= 43.60	979.20 38.90	884.70 25.50	896.10 24.90	1164.70 21.10	1136.80 20.90		H: 7.00M N: *****	NU: 04	D: YB 168
88.00 8.93	BR 77 -----	239.00 100.00	520.00 85.71	297.00 15.00	250.00 10.36	579.00 10.36	88.00<= 8.93	282.00 8.21		H: 57.00H N: 0.28000	NU: 32	D: SE 77
88.00 100.00	AG 109M -----	83.00<= 100.00								H: 40.00S N: 0.05000	NU: 1	D: AG 109
88.04 100.00	GD 109 -----	88.04<= 100.00								H: 453.00D N: 0.08000	NU: 1	D: AG 109M*
88.46 0.11	TE 123M -----	159.00 100.00	88.46<= 0.11							H: 119.70D N: 0.33500	NU: 2	D: TE 123
88.93 29.00	TB 156 -----	534.10 100.00	109.20 61.00	1222.10 46.00	88.93<= 29.00	1067.00 21.00	1065.00 21.00	356.35 19.00		H: 5.10D N: *****	NU: 44	D: GD 156
89.50 81.14	KH 99 -----	523.52 100.00	353.00 88.00	89.50<= 81.14	511.01 34.29	322.31 16.20	618.00 10.57	175.45 5.06		H: 16.00D N: 0.35000	NU: 37	D: RU 99
89.60 3.60	HF 175 -----	343.60 100.00	89.60<= 3.60	432.80 1.80	229.50 0.87	113.80 0.35				H: 70.00D N: *****	NU: 5	D: LU 175
89.80 83.30	SB 120M -----	157.30 100.00	1171.70 98.00	1023.30 97.10	89.80<= 83.30	1113.40 0.88				H: 5.80D N: *****	NU: 5	D: SN 120
90.32 23.00	DY 155 -----	226.94 100.00	90.32<= 23.00	511.01 7.35	1088.90 6.10	999.20 5.53	184.53 5.51	905.10 5.00		H: 9.60H N: 0.68000	NU: 98	D: TB 155 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
90.60 2.80	XE 122 -----	564.00 100.00	350.10 44.00	149.70 16.00	416.90 11.00	90.60<= 2.80	286.60 2.20	61.80 1.80		H: 20.10H N: *****	NU: 15	D: J 122 *
90.70 13.83	CR 49 -----	511.01 100.00	90.70<= 13.83	62.30 13.83	152.80 0.64					H: 41.70H N: 1.96000	NU: 4	D: V 49 *
91.30 13.80	GA 67 -----	184.50 100.00	300.20 88.61	393.40 27.43	91.30<= 13.80	208.96 8.44	494.40 0.84	887.90 0.84		H: 78.0CH N: 0.23700	NU: 7	D: ZN 67
91.31 15.53	CU 67 -----	184.54 100.00	93.31 35.96	91.31<= 15.53	300.18 1.57	393.57 0.43	208.94 0.23			H: 61.90H N: 0.47000	NU: 6	D: ZN 67
91.39 28.47	TM 164M -----	208.08 100.00	314.93 65.57	240.49 50.93	547.00 30.27	897.91 29.07	91.39<= 28.47	1364.60 27.87		H: 5.10H N: 0.18300	NU: 31	D: ER 164
91.39 9.34	TM 164 -----	511.01 100.00	91.30<= 9.34	1154.63 2.33	768.92 1.99	208.08 1.65	860.31 1.56	1610.74 1.55		H: 2.00H N: 0.78200	NU: 93	D: ER 164
92.60 16.00	PT 184 -----	154.90 100.00	182.90 94.00	548.40 77.00	731.20 43.00	216.50 17.00	92.60<= 16.00	394.60 16.00		H: 17.30H N: *****	NU: 32	D: IR 184 *
93.00 25.52	IR 181 -----	108.00 100.00	227.70 59.38	319.00 52.08	232.60 35.94	185.30 31.77	93.00<= 25.52	309.00 19.27		H: 5.00H N: *****	NU: 10	D: OS 181 *
93.20 100.00	AG 107M -----	93.20<= 100.00								H: 44.30S N: 0.05000	NU: 1	D: AG 107
93.30 100.00	TA 180M -----	93.30<= 100.00	103.50 15.00							H: 8.10H N: 0.04000	NU: 2	D: HF 180
93.31 35.96	CU 67 -----	184.54 100.00	93.31<= 35.96	91.31 15.53	300.18 1.57	393.57 0.43	208.94 0.23			H: 61.90H N: 0.47000	NU: 6	D: ZN 67
93.50 1.40	CS 129 -----	372.00 100.00	411.70 73.20	549.00 10.80	313.40 7.85	278.80 4.06	588.50 1.86	93.50<= 1.40		H: 32.10H N: *****	NU: 13	D: XE 129
93.61 7.14	YB 169 -----	157.80 100.00	177.00 62.86	130.70 31.43	307.50 31.43	93.61<= 7.14	110.00 5.14	118.60 5.14		H: 32.00D N: 0.35000	NU: 9	D: TP 169
94.13 2.00	ER 161 -----	826.55 100.00	211.15 44.88	592.65 5.40	76.23 4.86	314.76 4.11	94.13<= 2.00	864.90 1.98		H: 3.10H N: 0.61500	NU: 96	D: HC 161 *
94.20 8.93	ER 173 -----	895.20 100.00	199.20 89.26	192.80 86.53	122.40 38.32	116.14 34.95	800.80 17.85	94.20<= 8.93		H: 1.40H N: 0.47500	NU: 8	D: TP 173 *
94.34 82.00	PT 189 -----	721.40 100.00	607.60 87.00	94.34<= 82.00	568.90 76.00	243.50 75.00	544.90 62.00	141.18 45.00		H: 10.90H N: *****	NU: 99	D: IR 189 *
95.70 35.50	XE 121 -----	252.70 100.00	132.80 86.50	445.20 61.50	310.50 43.00	95.70<= 35.50	175.80 33.50	300.70 20.50		H: 40.10H N: *****	NU: 98	D: J 121 *
96.51 20.10	PT 191 -----	539.00 100.00	410.00 51.80	360.00 39.40	82.50 24.00	172.03 22.50	351.01 22.30	96.51<= 20.10		H: 3.00D N: *****	NU: 33	D: IR 191
96.90 2.38	AG 111 -----	341.90 100.00	245.60 15.00	96.90<= 2.38	620.60 0.43	866.70 0.14	524.40 0.00			H: 7.45D N: 0.08000	NU: 6	D: CD 111
97.20 40.60	YB 164 -----	675.20 100.00	445.31 93.80	390.51 78.10	601.87 40.60	97.20<= 40.60	362.79 37.50	401.77 31.30		H: 75.80H N: *****	NU: 8	D: TP 164 *
97.30 31.70	IR 185 -----	254.20 100.00	97.30<= 31.70	100.60 18.30	158.20 18.10	223.80 15.90	153.50 15.20	160.70 13.20		H: 14.00H N: *****	NU: 32	D: OS 185 *
97.43 100.00	GD 153 -----	97.43<= 100.00	103.18 72.56	69.60 7.89	84.00 0.73	173.00 0.60				H: 242.00D N: 0.31700	NU: 5	D: EU 153
97.80 0.10	HF 182 -----	270.41 100.00	156.09 9.00	114.33 3.30	172.50 0.24	97.89<= 0.10				H: 500.04E N: *****	NU: 5	D: TA 182 *
98.84 100.00	AU 195 -----	98.84<= 100.00	129.78 7.26	30.94 6.46	211.10 0.18	199.80 0.10				H: 183.00D N: 0.11300	NU: 5	D: PT 195
99.00 0.50	PB 195M -----	383.80 100.00	708.30 30.00	394.30 26.00	313.20 4.70	466.00 3.10	99.00<= 0.50			H: 17.00H N: *****	NU: 6	D: TL 195 *
99.20 9.00	AM 246 -----	679.00 100.00	205.00 68.00	153.50 48.00	756.00 25.00	834.00 10.00	99.20<= 9.00	781.00 7.50		H: 40.00M N: *****	NU: 11	D: CP 246 *
99.54 10.08	AM 243 -----	285.47 100.00	74.67 86.84	106.14 36.58	103.75 29.21	99.54<= 19.08	277.62 18.68	228.20 15.00		H: 795.01E N: 0.76000	NU: 16	D: NP 239 *
99.54 64.90	CM 243 -----	103.75 100.00	277.62 67.31	99.54<= 64.90	228.20 50.96	117.10 36.54	209.76 15.87	120.60 12.50		H: 32.00A N: 0.20800	NU: 15	D: PU 239 *
100.00 58.54	DY 153 -----	80.80 100.00	82.50 100.00	100.00<= 88.54	255.00 66.67	274.00 57.29	148.00 38.54	245.00 30.21		H: 6.25H N: 0.09600	NU: 7	D: TR 153 *
100.00 25.00	HF 170 -----	123.00 100.00	162.00 89.50	620.00 56.40	572.00 45.50	100.00<= 25.00	347.00 18.60	207.00 18.20		H: 12.00H N: *****	NU: 9	D: LU 170 *
100.60 11.00	HO 159 -----	121.00 100.00	132.00 67.00	309.60 42.00	252.90 41.00	177.60 18.00	100.60<= 11.00	217.70 9.90		H: 33.00M N: *****	NU: 58	D: DY 159 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
100.60 18.30	IR 185 -----	254.20 100.00	97.30 31.70	100.60<= 18.30	158.20 18.10	223.80 15.90	153.50 15.20	160.70 13.20	H: 14.00H N: *****	NU: 32	D: OS 185 *
103.10 66.00	RB 78 -----	455.60 100.00	103.10<= 66.00	663.80 30.00	726.00 10.00	1141.70 9.00			H: 6.00H N: *****	NU: 5	D: KR 78
103.18 72.56	GD 153 -----	97.43 100.00	103.18<= 72.56	69.60 7.89	84.00 0.73	173.00 0.60			H: 242.00D N: 0.31700	NU: 5	D: EU 153
103.50 15.00	TA 180H -----	93.30 100.00	103.50<= 15.00						H: 8.10H N: 0.04000	NU: 2	D: HF 180
103.75 29.21	AM 243 -----	285.47 100.00	74.67 86.84	106.14 36.58	103.75<= 29.21	99.54 19.08	277.62 18.68	228.20 15.00	H: 795.01E N: 0.76000	NU: 16	D: NP 239 *
103.75 100.00	CM 243 -----	103.75<= 100.00	277.62 67.31	99.54 64.90	228.20 50.96	117.10 36.54	209.76 15.87	120.60 12.50	H: 32.00A N: 0.20800	NU: 15	D: PU 239 *
104.00 26.30	HG 187 -----	233.00 100.00	378.00 50.00	271.00 37.00	240.00 33.80	104.00<= 26.30	220.00 23.20	203.00 21.10	H: 2.20H N: *****	NU: 10	D: AU 187 *
104.50 55.59	NB 91H -----	1205.00 100.00	104.50<= 55.59						H: 62.00D N: 0.03400	NU: 2	D: NB 91 *
104.60 3.64	CF 249 -----	388.10 100.00	333.30 22.73	109.30 5.61	252.70 3.94	104.60<= 3.64	123.40 2.12	266.60 1.09	H: 360.00A N: 0.66000	NU: 13	D: CP 245 *
105.36 72.50	TB 155 -----	86.60 100.00	105.36<= 72.50	162.30 23.50	180.10 22.00	263.20 14.20	148.60 7.20	60.04 5.00	H: 5.32D N: *****	NU: 16	D: GD 155
106.00 0.82	KR 77 -----	511.01 100.00	129.70 52.91	146.50 24.94	312.10 2.15	276.10 1.96	106.00<= 0.82	734.60 0.22	H: 1.20H N: 1.58000	NU: 28	D: BR 77 *
106.10 100.00	NP 239 -----	106.10<= 100.00	277.50 60.87	228.20 55.22	209.80 17.39	334.10 8.70	315.70 6.52	285.00 2.74	H: 2.35D N: 0.23000	NU: 9	D: PU 239 *
106.14 36.58	AM 243 -----	285.47 100.00	74.67 86.84	106.14<= 36.58	103.75 29.21	99.54 19.08	277.62 18.68	228.20 15.00	H: 795.01E N: 0.76000	NU: 16	D: NP 239 *
106.40 100.00	PT 187 -----	106.40<= 100.00	201.40 81.50	110.00 65.20	284.90 62.60	186.80 59.30	709.20 59.00	304.80 49.10	H: 2.30H N: *****	NU: 47	D: IR 187 *
106.80 32.80	PD 98 -----	112.40 100.00	663.00 52.80	106.80<= 32.80	837.90 30.30	661.70 30.00	67.70 14.10	174.40 10.70	H: 17.90H N: *****	NU: 10	D: RH 98 *
108.00 100.00	IR 181 -----	108.00<= 100.00	227.70 59.38	319.00 52.08	232.60 35.94	185.30 31.77	93.00 25.52	309.00 19.27	H: 5.00H N: *****	NU: 10	D: OS 181 *
108.85 27.00	GE 66 -----	511.01 100.00	381.85 65.00	108.85<= 27.00	272.97 25.00	338.05 19.00	470.62 18.00	65.20 16.00	H: 2.40H N: *****	NU: 89	D: GA 66 *
108.90 0.16	RU 97 -----	215.20 100.00	324.40 11.76	570.00 0.88	560.60 0.42	108.90<= 0.16	461.30 0.13	785.50 0.09	H: 2.88D N: 0.91000	NU: 12	D: TC 97 *
109.30 5.61	CF 249 -----	388.10 100.00	333.30 22.73	109.30<= 5.61	252.70 3.94	104.60 3.64	123.40 2.12	266.60 1.09	H: 360.00A N: 0.66000	NU: 13	D: CP 245 *
110.00 5.14	YB 169 -----	197.80 100.00	177.00 62.86	130.70 31.43	307.50 31.43	93.61 7.14	110.00<= 5.14	118.60 5.14	H: 32.00D N: 0.25000	NU: 9	D: TW 169
110.00 65.20	PT 187 -----	106.40 100.00	201.40 81.50	110.00<= 65.20	284.90 62.60	186.80 59.30	709.20 59.00	304.80 49.10	H: 2.30H N: *****	NU: 47	D: IR 187 *
110.28 15.00	AU 193 -----	186.17 100.00	255.57 67.00	698.00 63.00	268.22 39.00	173.52 29.00	439.04 19.00	110.28<= 15.00	H: 17.50H N: *****	NU: 59	D: PT 193
111.10 48.03	RE 184 -----	903.00 100.00	791.90 98.95	111.10<= 48.03	894.50 43.04	252.70 7.01	641.80 5.20	769.70 1.80	H: 38.00D N: 0.38100	NU: 17	D: W 184
112.40 100.00	PD 98 -----	112.40<= 100.00	663.00 52.80	106.80 32.80	837.90 30.30	661.70 30.00	67.70 14.10	174.40 10.70	H: 17.90H N: *****	NU: 10	D: RH 98 *
113.80 0.35	HF 175 -----	343.60 100.00	89.60 3.60	432.80 1.80	229.50 0.87	113.80<= 0.35			H: 70.00D N: *****	NU: 5	D: LU 175
113.90 0.70	HO 93H -----	1477.20 100.00	684.70 92.00	263.10 53.00	1364.70 0.94	113.90<= 0.70	947.87 0.20		H: 6.90H N: *****	NU: 6	D: MO 93 *
114.00 100.00	ND 139H -----	114.00<= 100.00	511.01 100.00	984.00 24.00	740.00 21.00	327.00 20.00	708.00 14.00		H: 5.50H N: *****	NU: 6	D: ND 139 *
114.33 3.30	HF 192 -----	270.41 100.00	156.09 9.00	114.33<= 3.30	172.50 0.24	97.89 0.10			H: 900.04E N: *****	NU: 5	D: TA 182 *
114.43 27.00	OS 183 -----	381.80 100.00	114.43<= 27.00	167.90 10.00	851.00 5.00	236.30 2.90	145.43 1.00	1162.70 1.50	H: 14.00H N: *****	NU: 37	D: RE 183 *
114.70 36.58	GD 146 -----	154.70 100.00	115.60 88.59	114.70<= 36.58	269.50 0.20	230.30 0.10			H: 48.30D N: 0.44700	NU: 5	D: EU 146 *
115.10 30.60	GA 65 -----	511.01 100.00	115.10<= 30.60	61.10 6.56	153.00 4.97	751.80 4.54	53.80 2.73	206.90 1.42	H: 15.20H N: 1.83000	NU: 74	D: ZN 65 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER NU: NUMBER OF ENERGIES IN TABLE 1	N: NORMAL FACTOR
115.60 59.59	GD 146 -----	154.70 100.00	115.60<= 89.59	114.70 86.58	269.50 0.20	230.30 0.10			H: 48.30D N: 0.44700	NU: 5	D: EU 146 *
115.70 63.00	SR 79 -----	188.90 100.00	166.40 73.00	115.70<= 63.00	559.90 63.00	444.20 37.00	611.20 26.00	255.70 8.00	H: 8.10H N: *****	NU: 7	D: RB 79 *
116.14 34.95	ER 173 -----	855.20 100.00	199.20 89.26	192.80 96.53	122.40 38.32	116.14<= 34.95	800.80 17.85	94.20 8.93	H: 1.40H N: 0.47500	NU: 8	D: TM 173 *
117.00 82.35	TL 209 -----	1566.00 100.00	465.00 82.35	117.00<= 82.35					H: 2.20H N: 0.85000	NU: 3	D: PB 209 *
117.10 36.54	CM 243 -----	103.75 100.00	277.62 67.31	99.54 64.90	228.20 50.96	117.10<= 36.54	209.76 15.87	120.60 12.50	H: 32.00A N: 0.20800	NU: 15	D: PU 239 *
118.60 5.14	YB 169 -----	197.80 100.00	177.00 62.86	130.70 31.43	307.50 31.43	93.61 7.14	110.00 5.14	118.60<= 5.14	H: 32.00D N: 0.35000	NU: 9	D: TM 169
118.77 13.82	YB 162 -----	44.66 100.00	163.47 15.65	118.77<= 13.82					H: 18.90H N: 0.02620	NU: 3	D: TM 162 *
119.70 8.93	TB 147 -----	1153.00 100.00	139.80 44.93	694.50 40.80	511.01 13.47	119.70<= 8.93	554.90 5.07	2684.00 4.53	H: 24.00H N: 0.75000	NU: 18	D: GD 147 *
120.20 45.00	IR 184 -----	264.30 100.00	120.20<= 45.00	390.60 38.50	961.10 19.00	841.00 12.00	1105.00 9.50	943.30 9.40	H: 3.20H N: *****	NU: 66	D: CS 184
120.60 12.50	CM 243 -----	103.75 100.00	277.62 67.31	99.54 64.90	228.20 50.96	117.10 36.54	209.76 15.87	120.60<= 12.50	H: 32.00A N: 0.20800	NU: 15	D: PU 239 *
121.00 100.00	HO 159 -----	121.00<= 100.00	132.00 67.00	309.60 42.00	252.90 41.00	177.60 18.00	100.60 11.00	217.70 9.90	H: 33.00H N: *****	NU: 58	D: DY 159 *
121.11 10.49	SE 75 -----	264.56 100.00	136.00 94.08	279.53 42.30	400.64 20.98	121.11<= 10.49	198.60 2.34	303.91 2.30	H: 120.40D N: 0.59100	NU: 14	D: AS 75
122.06 100.00	MN 57 -----	122.06<= 100.00	692.00 28.48	136.47 11.52	353.00 10.89	1613.00 3.47	569.00 2.10	367.00 1.90	H: 1.70H N: 0.09550	NU: 13	D: FE 57
122.06 100.00	CO 57 -----	122.06<= 100.00	136.47 13.41	14.41 11.18	692.10 0.18	570.10 0.02	706.60 0.01	339.70 0.00	H: 271.60D N: 0.85000	NU: 10	D: FE 57
122.37 82.55	HO 90 -----	257.34 100.00	122.37<= 82.55	511.01 63.21	203.10 8.17	445.40 7.75	162.93 7.66	941.50 7.10	H: 5.70H N: 0.79100	NU: 23	D: NB 90 *
122.40 38.32	ER 173 -----	855.20 100.00	199.20 89.26	192.80 96.53	122.40<= 38.32	116.14 34.95	800.80 17.85	94.20 8.93	H: 1.40H N: 0.47500	NU: 8	D: TM 173 *
123.00 100.00	HF 170 -----	123.00<= 100.00	162.00 89.50	620.00 56.40	572.00 45.50	100.00 25.00	347.00 18.60	207.00 18.20	H: 12.00H N: *****	NU: 9	D: LU 170 *
123.00 50.00	HF 171 -----	1072.00 100.00	662.00 76.00	123.00<= 50.00	469.00 42.00	347.00 40.00	295.00 35.00	137.00 23.50	H: 12.00H N: *****	NU: 14	D: LU 171 *
123.00 100.00	HF 173 -----	123.00<= 100.00	295.00 44.70	311.00 11.60	306.00 7.59	135.00 5.80			H: 26.60H N: *****	NU: 5	D: LU 173 *
123.21 19.90	YB 163 -----	860.26 100.00	63.58 69.60	123.21<= 19.90	326.05 17.20	1746.70 17.20	130.86 17.00	1908.10 15.30	H: 10.96H N: *****	NU: 58	D: TM 163 *
123.40 2.12	CF 249 -----	388.10 100.00	323.30 22.73	109.30 5.61	252.70 3.94	104.60 3.64	123.40<= 2.12	266.60 1.09	H: 360.00A N: 0.66000	NU: 13	D: CM 245 *
123.70 0.55	CO 104 -----	83.50 100.00	709.20 24.50	559.00 8.00	66.70 7.20	625.60 2.70	123.70<= 0.55	150.20 0.17	H: 57.00H N: *****	NU: 7	D: AG 104 *
127.10 18.99	NI 57 -----	1377.70 100.00	511.01 97.47	127.10<= 18.99	1919.50 18.99	1757.70 8.35	1046.40 0.16	2804.00 0.13	H: 35.94H N: 0.79000	NU: 18	D: CO 57 *
127.13 1.20	RH 101M -----	306.76 100.00	545.20 5.60	127.13<= 1.20	179.50 0.90	237.60 0.50	233.20 0.40	183.90 0.30	H: 4.40D N: *****	NU: 8	D: RU 101
127.13 90.00	RH 101 -----	158.00 100.00	127.13<= 90.00	325.80 23.00	295.40 0.90	439.55 0.06			H: 3.00A N: *****	NU: 5	D: RU 101
127.20 80.00	IR 182 -----	273.00 100.00	127.20<= 80.00	912.30 20.70	236.20 14.00	890.90 13.50	764.00 12.50	790.10 7.33	H: 15.00H N: *****	NU: 68	D: OS 182 *
127.68 7.06	ER 172 -----	610.00 100.00	407.30 97.63	68.05 7.92	445.90 7.06	127.68<= 7.06	383.50 5.53	59.67 5.09	H: 49.00H N: 0.43200	NU: 14	D: TM 172 *
128.20 29.73	GE 64 -----	427.00 100.00	667.10 45.95	128.20<= 29.73	774.50 18.92	384.10 13.51	85.70 5.41	42.80 5.41	H: 63.00S N: 0.37000	NU: 7	D: GA 64
129.00 100.00	HG 182 -----	129.00<= 100.00	217.00 75.00	413.00 53.00					H: 11.30S N: *****	NU: 3	D: PT 178 *
129.10 51.00	BA 129 -----	182.30 100.00	214.30 87.00	1459.30 56.00	220.80 53.00	129.10<= 51.00	202.30 39.00	420.20 25.00	H: 2.17H N: *****	NU: 98	D: CS 129 *
129.70 52.91	KR 77 -----	511.01 100.00	129.70<= 52.91	146.50 24.94	312.10 2.15	276.10 1.96	106.00 0.82	734.60 0.22	H: 1.20H N: 1.58000	NU: 29	D: BR 77 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER NU: NUMBER OF ENERGIES IN TABLE 1	N: NORMAL FACTOR
129.78 7.26	AU 195 -----	98.84 100.00	129.78<= 7.26	30.94 6.46	211.10 0.18	199.80 0.10			H: 183.0CD NU: 0.11300	NU: 5	D: PT 195
130.20 4.40	AU 197M -----	278.90 100.00	130.20<= 4.40	201.80 1.61	409.10 0.15				H: 7.86S NU: 0.72800	NU: 4	D: AU 197
130.20 0.49	HG 197M -----	133.90 100.00	279.00 14.42	165.00 0.93	130.20<= 0.49	201.80 0.20	409.10 0.02		H: 24.0CH NU: 0.43000	NU: 6	D: HG 197 *
130.70 31.43	YB 169 -----	197.80 100.00	177.00 62.86	130.70<= 31.43	307.50 31.43	93.61 7.14	110.00 5.14	118.60 5.14	H: 32.00D NU: 0.35000	NU: 9	D: TY 169
130.80 6.50	OS 182 -----	509.90 100.00	180.20 68.00	55.50 18.00	263.20 13.50	130.80<= 6.50	274.30 3.40	241.40 1.90	H: 21.00H NU: *****	NU: 13	D: RE 182 *
130.86 17.00	YB 163 -----	860.26 100.00	63.58 69.60	123.21 19.90	326.05 17.20	1746.70 17.20	130.86<= 17.00	1908.10 15.30	H: 10.96H NU: *****	NU: 58	D: TY 163 *
132.00 67.00	HO 159 -----	121.00 100.00	132.00<= 67.00	309.60 42.00	252.90 41.00	177.60 18.00	100.60 11.00	217.70 9.90	H: 33.00H NU: *****	NU: 58	D: DY 159 *
132.60 4.94	NB 90 -----	1129.10 100.00	2318.60 92.13	141.15 75.28	2186.20 20.11	132.60<= 4.94	1612.10 4.49	827.70 2.25	H: 14.60H NU: 0.85000	NU: 12	D: ZR 90
132.80 86.50	XE 121 -----	252.70 100.00	132.80<= 86.50	445.20 61.50	310.50 43.00	95.70 35.50	175.80 35.50	300.70 20.50	H: 40.10M NU: *****	NU: 98	D: J 121 *
133.90 100.00	HG 197M -----	133.90<= 100.00	279.00 14.42	165.00 0.93	130.20 0.49	201.80 0.20	409.10 0.02		H: 24.00H NU: 0.43000	NU: 6	D: HG 197 *
134.30 57.14	PR 133 -----	511.01 100.00	134.30<= 57.14	315.60 48.57	74.00 42.29	465.00 28.57	330.80 24.57	241.90 22.86	H: 6.5CH NU: *****	NU: 52	D: CE 133 *
135.00 5.80	HF 173 -----	123.00 100.00	295.00 44.70	311.00 11.60	306.00 7.59	135.00<= 5.80			H: 26.6CH NU: *****	NU: 5	D: LU 173 *
136.00 94.08	SE 75 -----	264.56 100.00	136.00<= 94.08	279.53 42.30	400.64 20.98	121.11 10.49	198.60 2.34	303.91 2.30	H: 120.40D NU: 0.59100	NU: 14	D: AS 75
136.00 100.00	PT 182 -----	136.00<= 100.00	146.00 15.40	210.00 12.00	186.00 7.00				H: 2.60M NU: *****	NU: 4	D: IR 182 *
136.40 100.00	PD 99 -----	136.40<= 100.00	263.50 28.00	673.00 19.00	399.60 6.60	386.00 5.80	785.00 5.00	427.50 4.30	H: 22.00M NU: *****	NU: 12	D: RH 99 *
136.47 11.52	MN 57 -----	122.06 100.00	692.00 28.48	136.47<= 11.52	353.00 10.89	1613.00 3.47	569.00 2.10	367.00 1.90	H: 1.70H NU: 0.09550	NU: 13	D: FE 57
136.47 13.41	CO 57 -----	122.06 100.00	136.47<= 13.41	14.41 11.18	692.10 0.18	570.10 0.02	706.60 0.01	339.70 0.00	H: 271.60D NU: 0.85000	NU: 10	D: FE 57
137.00 23.50	HF 171 -----	1072.00 100.00	662.00 76.00	123.00 50.00	469.00 42.00	347.00 40.00	295.00 35.00	137.00<= 23.50	H: 12.00H NU: *****	NU: 14	D: LU 171 *
137.10 100.00	IR 186M -----	137.10<= 100.00	767.30 67.00	630.30 62.00	296.90 46.00	773.10 40.00	987.10 30.00	636.20 22.00	H: 1.70H NU: *****	NU: 8	D: GS 186
139.80 44.93	TB 147 -----	1153.00 100.00	139.80<= 44.93	694.50 40.80	511.01 13.47	119.70 8.93	554.90 5.07	2684.00 4.53	H: 24.00M NU: 0.75000	NU: 18	D: GD 147 *
140.60 100.00	TC 99M -----	140.60<= 100.00							H: 6.05H NU: 0.90000	NU: 1	D: TC 99 *
141.15 75.28	NB 90 -----	1129.10 100.00	2318.60 92.13	141.15<= 75.28	2186.20 20.11	132.60 4.94	1612.10 4.49	827.70 2.25	H: 14.60H NU: 0.89000	NU: 12	D: ZR 90
141.18 45.00	PT 189 -----	721.40 100.00	607.60 87.00	94.34 82.00	568.90 76.00	243.50 75.00	544.90 62.00	141.18<= 45.00	H: 10.9CH NU: *****	NU: 99	D: IR 189 *
141.20 4.53	BR 75 -----	511.01 100.00	286.50 60.00	141.20<= 4.53	427.80 3.00	431.80 2.67	377.40 2.67	292.90 1.80	H: 101.50H NU: 1.50000	NU: 56	D: SE 75 *
143.40 55.00	RB 79 -----	153.40 100.00	687.50 82.00	143.40<= 55.00	351.20 40.00	397.80 30.00	303.10 26.00	182.50 19.00	H: 22.10H NU: *****	NU: 18	D: KR 79 *
145.43 1.90	OS 183 -----	381.80 100.00	114.43 27.00	167.90 10.00	851.00 5.00	236.30 2.90	145.43<= 1.90	1162.70 1.50	H: 14.0CH NU: *****	NU: 37	D: RE 183 *
146.00 15.40	PT 182 -----	136.00 100.00	146.00<= 15.40	210.00 12.00	186.00 7.00				H: 2.60M NU: *****	NU: 4	D: IR 182 *
146.50 45.00	CL 24M -----	511.01 100.00	146.50<= 45.00	2128.50 38.00	1177.50 12.00	3305.00 12.00			H: 32.00H NU: 1.00000	NU: 5	D: CL 34 *
146.50 24.94	KR 77 -----	511.01 100.00	129.70 52.91	146.50<= 24.94	312.10 2.15	276.10 1.96	106.00 0.82	734.60 0.22	H: 1.20H NU: 1.58000	NU: 28	D: BR 77 *
146.60 3.33	ND 141 -----	511.01 100.00	1126.80 16.67	1147.50 6.67	1292.60 5.00	1298.60 5.00	146.60<= 3.33		H: 2.6CH NU: 0.06000	NU: 6	D: PR 141
148.00 38.54	DY 153 -----	90.80 100.00	82.50 100.00	100.00 89.54	255.00 66.67	274.00 57.29	148.00<= 38.54	245.00 30.21	H: 6.29H NU: 0.09600	NU: 7	D: TB 153 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE	D: DAUGHTER	N: NORMAL FACTOR
										NU: NUMBER OF ENERGIES IN TABLE I		
148.60 7.20	TR 155 -----	86.60 100.00	105.36 72.50	162.30 23.50	180.10 22.00	263.20 14.20	148.60<= 7.20	60.04 5.00	H: 5.32D N: *****	NU: 16	D: GD 155	
148.70 16.00	XE 122 -----	564.00 100.00	350.10 44.00	148.70<= 16.00	416.90 11.00	90.60 2.80	288.60 2.20	61.80 1.80	H: 20.10H N: *****	NU: 15	D: J 122 *	
148.90 100.00	XE 123 -----	148.90<= 100.00	178.10 30.50	330.20 17.50	511.01 8.09	1093.40 5.70	899.60 5.00	1113.10 3.20	H: 2.10H N: *****	NU: 99	D: J 123 *	
149.60 100.00	GD 149 -----	149.60<= 100.00	298.50 54.17	346.50 43.75	748.20 14.79	430.00 14.17	788.60 12.71	272.00 6.25	H: 9.40D N: 0.48000	NU: 25	D: EU 149 *	
150.10 7.50	R8 77 -----	66.60 100.00	178.90 38.00	393.50 13.00	150.10<= 7.50	254.30 3.10	244.40 2.50		H: 3.50H N: *****	NU: 6	D: KR 77 *	
150.10 26.92	PA 232 -----	969.30 100.00	894.30 48.08	150.10<= 26.92	453.70 21.88	387.80 18.99	819.20 18.03	866.40 18.03	H: 1.31D N: 0.41600	NU: 32	D: U 232 *	
150.20 0.17	CD 104 -----	83.50 100.00	709.20 24.50	559.00 8.00	66.70 7.20	625.60 2.70	123.70 0.55	150.20<= 0.17	H: 57.00H N: *****	NU: 7	D: AG 104 *	
150.99 100.00	KR 85H -----	150.99<= 100.00	304.47 18.92						H: 4.40H N: 0.74000	NU: 2	D: RB 85	
151.22 14.12	SR 85H -----	231.60 100.00	151.22<= 14.12	238.60 0.39					H: 67.60H N: 0.85000	NU: 3	D: SR 85 *	
152.80 0.64	CR 49 -----	511.01 100.00	90.70 13.83	62.30 13.83	152.80<= 0.64				H: 41.70H N: 1.88000	NU: 4	D: V 49 *	
153.00 4.97	GA 65 -----	511.01 100.00	115.10 30.60	61.10 6.56	153.00<= 4.97	751.80 4.54	53.80 2.73	206.90 1.42	H: 15.20H N: 1.93000	NU: 74	D: ZN 65 *	
153.40 100.00	RB 79 -----	153.40<= 100.00	687.50 82.00	143.40 55.00	351.20 40.00	397.80 30.00	303.10 26.00	182.50 19.00	H: 22.10H N: *****	NU: 18	D: KR 79 *	
153.50 15.20	IR 185 -----	254.20 100.00	97.30 31.70	100.60 18.30	158.20 18.10	223.80 15.90	153.50<= 15.20	160.70 13.20	H: 14.00H N: *****	NU: 32	D: OS 185 *	
153.50 48.00	AM 246 -----	679.00 100.00	205.00 68.00	153.50<= 48.00	756.00 25.00	834.00 10.00	99.20 9.00	781.00 7.50	H: 40.00H N: *****	NU: 11	D: CP 246 *	
153.57 100.00	GD 151 -----	153.57<= 100.00	243.22 89.90	174.65 48.30	21.54 46.20	307.43 16.50	239.00 2.31	353.51 2.04	H: 120.00D N: *****	NU: 19	D: EU 151	
154.70 100.00	GD 146 -----	154.70<= 100.00	115.60 88.59	114.70 86.58	269.50 0.20	230.30 0.10			H: 48.30D N: 0.44700	NU: 5	D: EU 146 *	
154.90 100.00	PT 184 -----	154.90<= 100.00	182.90 94.00	549.40 77.00	731.20 43.00	216.50 17.00	92.60 16.00	394.60 16.00	H: 17.30H N: *****	NU: 32	D: IR 184 *	
155.00 100.00	IR 188 -----	155.00<= 100.00	634.80 85.89	478.00 47.85	2214.60 38.34	312.00 23.93	1210.30 20.28	829.50 19.85	H: 41.50H N: 0.32600	NU: 75	D: OS 188	
155.00 100.00	AU 182 -----	155.00<= 100.00	264.00 50.00						H: 19.00S N: *****	NU: 2	D: PT 182 *	
156.00 9.00	HF 182 -----	270.41 100.00	156.09<= 9.00	114.33 3.30	172.50 0.24	97.89 0.10			H: 900.04E N: *****	NU: 5	D: TA 182 *	
156.40 67.30	HG 184 -----	236.70 100.00	156.40<= 67.30	295.80 13.10	259.50 8.12	262.90 5.54	159.50 5.20	422.00 4.00	H: 32.20S N: *****	NU: 14	D: \$\$\$\$	
158.20 18.10	IR 185 -----	254.20 100.00	97.30 31.70	100.60 18.30	158.20<= 18.10	223.80 15.90	153.50 15.20	160.70 13.20	H: 14.00H N: *****	NU: 32	D: OS 185 *	
158.30 100.00	HG 199H -----	153.30<= 100.00	374.00 26.99						H: 42.60H N: 0.51500	NU: 2	D: HG 199	
158.37 100.00	AU 199 -----	158.37<= 100.00	208.20 21.62						H: 3.15D N: 0.37000	NU: 2	D: HG 199	
158.50 100.00	SB 117 -----	158.50<= 100.00	511.01 5.75	861.70 0.33	1004.50 0.26	1021.00 0.11	1020.60 0.11	553.10 0.08	H: 2.80H N: 0.97000	NU: 14	D: SN 117	
159.00 100.00	TE 123H -----	159.00<= 100.00	88.46 0.11						H: 119.70D N: 0.83500	NU: 2	D: TE 123	
159.10 100.00	J 123 -----	159.10<= 100.00	529.00 1.33	440.40 0.42	538.50 0.33	505.60 0.31	248.30 0.08	281.00 0.08	H: 13.30H N: 0.83000	NU: 14	D: TE 123	
159.50 5.20	HG 184 -----	236.70 100.00	156.40 67.30	295.80 13.10	259.50 8.12	262.90 5.54	159.50<= 5.20	422.00 4.00	H: 32.20S N: *****	NU: 14	D: \$\$\$\$	
160.70 13.20	IR 185 -----	254.20 100.00	97.30 31.70	100.60 18.30	158.20 18.10	223.80 15.90	153.50 15.20	160.70<= 13.20	H: 14.00H N: *****	NU: 32	D: OS 185 *	
162.00 99.50	HF 170 -----	123.00 100.00	162.00<= 69.50	620.00 56.40	572.00 45.50	100.00 25.00	347.00 18.60	207.00 18.20	H: 12.00H N: *****	NU: 9	D: LU 170 *	
162.00 66.70	TA 173 -----	172.00 100.00	162.00<= 66.70	181.00 18.50	702.00 14.80				H: 3.50H N: *****	NU: 4	D: HF 173 *	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN TABLE I	N: NORMAL FACTOR
162.30 23.50	TB 155 -----	86.60 100.00	105.36 72.50	162.30<= 23.50	180.10 22.00	263.20 14.20	148.60 7.20	60.04 5.00	H: 5.32D N: *****	NU: 16	D: GD 155	
162.70 0.81	OS 185 -----	646.11 100.00	874.81 8.06	880.27 6.65	717.42 5.37	592.07 1.66	162.70<= 0.81	234.20 0.60	H: 94.06D N: 0.78200	NU: 11	D: RE 185	
162.93 7.66	HO 90 -----	257.34 100.00	122.37 82.55	511.01 63.21	203.10 8.17	445.40 7.75	162.93<= 7.66	941.50 7.10	H: 5.70H N: 0.79100	NU: 23	D: NB 90 *	
163.20 100.00	AU 184 -----	163.20<= 100.00	273.10 76.70	361.90 32.40	594.00 14.80	777.00 12.80	486.30 11.90	237.00 10.60	H: 47.00S N: *****	NU: 28	D: \$\$\$\$\$	
163.47 15.65	YB 162 -----	44.66 100.00	163.47<= 15.65	118.77 13.82					H: 18.90H N: 0.02620	NU: 3	D: TM 162 *	
165.00 0.93	HG 197H -----	133.90 100.00	279.00 14.42	165.00<= 0.93	130.20 0.49	201.80 0.20	409.10 0.02		H: 24.00H N: 0.43000	NU: 6	D: HG 197 *	
165.85 100.00	CE 139 -----	165.85<= 100.00							H: 137.20D N: 0.82600	NU: 1	D: LA 139	
165.90 0.04	GA 68 -----	511.01 100.00	1077.50 1.98	1883.50 0.08	1261.30 0.05	805.70 0.05	165.90<= 0.04	578.40 0.02	H: 68.30H N: 1.76000	NU: 9	D: ZN 68	
166.30 41.30	AU 189 -----	713.40 100.00	813.10 58.30	348.10 55.90	447.80 54.40	166.30<= 41.30	528.70 41.10	441.70 34.40	H: 29.70H N: *****	NU: 24	D: PT 189 *	
166.40 73.00	SR 79 -----	188.90 100.00	166.40<= 73.00	115.70 63.00	559.90 63.00	444.20 37.00	611.20 26.00	255.70 8.00	H: 8.10H N: *****	NU: 7	D: RB 79 *	
166.70 100.00	AU 189H -----	166.70<= 100.00	321.10 19.00						H: 4.70H N: *****	NU: 2	D: PT 189 *	
167.10 0.48	CU 58 -----	511.01 100.00	1454.10 7.75	1448.00 5.55	40.80 3.40	1321.40 0.55	1448.30 0.52	167.10<= 0.48	H: 3.20S N: 2.00000	NU: 25	D: NI 58	
167.90 10.00	OS 183 -----	381.80 100.00	114.43 27.00	167.90<= 10.00	851.00 5.00	236.30 2.90	145.43 1.90	1162.70 1.50	H: 14.00H N: *****	NU: 37	D: RE 183 *	
171.20 94.68	IN 111 -----	245.30 100.00	171.20<= 94.68						H: 2.81D N: 0.94000	NU: 2	D: CD 111	
172.00 100.00	TA 173 -----	172.00<= 100.00	162.00 66.70	181.00 18.50	702.00 14.80				H: 3.50H N: *****	NU: 4	D: HF 173 *	
172.03 22.50	PT 191 -----	539.00 100.00	410.00 51.80	360.00 39.40	82.50 24.00	172.03<= 22.50	351.01 22.30	96.51 20.10	H: 3.00D N: *****	NU: 33	D: IR 191	
172.50 0.24	HF 182 -----	270.41 100.00	156.09 9.00	114.33 3.30	172.50<= 0.24	97.89 0.10			H: 900.04E N: *****	NU: 5	D: TA 182 *	
173.00 0.60	GD 153 -----	97.43 100.00	103.18 72.56	69.60 7.89	84.00 0.73	173.00<= 0.60			H: 242.00D N: 0.31700	NU: 5	D: EU 153	
173.52 29.00	AU 193 -----	186.17 100.00	255.57 67.00	698.00 63.00	268.22 39.00	173.52<= 29.00	439.04 19.00	110.28 15.00	H: 17.50H N: *****	NU: 59	D: PT 193	
174.30 100.00	K 45 -----	174.30<= 100.00	1705.60 87.00	2354.20 17.00	1260.70 8.70	2598.80 4.40			H: 16.30H N: *****	NU: 5	D: CA 45 *	
174.40 10.70	PD 98 -----	112.40 100.00	663.00 52.80	106.80 32.80	837.90 30.30	661.70 30.00	67.70 14.10	174.40<= 10.70	H: 17.90H N: *****	NU: 10	D: RH 98 *	
174.65 48.30	GD 151 -----	153.57 100.00	243.22 89.90	174.65<= 48.30	21.54 46.20	307.43 16.50	239.00 2.31	353.51 2.04	H: 120.00D N: *****	NU: 19	D: EU 151	
174.90 100.00	AS 71 -----	174.90<= 100.00	1095.50 4.50	499.90 3.70	326.80 3.30	526.60 0.87	1139.30 0.83	391.40 0.67	H: 64.00H N: *****	NU: 72	D: GE 71 *	
175.40 6.00	SC 48 -----	983.50 100.00	1312.10 100.00	1037.50 98.00	175.40<= 6.00	1212.60 2.20			H: 1.84D N: 1.00000	NU: 5	D: TI 48	
175.45 5.06	RH 99 -----	529.52 100.00	353.00 88.00	89.50 81.14	511.01 34.29	322.31 16.20	618.08 10.57	175.45<= 5.06	H: 16.00D N: 0.35000	NU: 37	D: RU 99	
175.80 33.50	XE 121 -----	252.70 100.00	132.80 86.50	445.20 61.50	310.50 43.00	95.70 35.50	175.80<= 33.50	300.70 20.50	H: 40.10H N: *****	NU: 98	D: J 121 *	
175.90 13.00	LU 174H -----	1241.50 100.00	991.70 16.00	272.90 15.00	175.90<= 13.00	1264.00 0.48	1318.00 0.42		H: 140.00D N: *****	NU: 6	D: LU 174 *	
176.75 13.00	CS 136 -----	818.48 100.00	1048.10 81.00	340.60 45.00	1235.41 20.00	66.90 14.00	176.75<= 13.00	273.76 13.00	H: 13.00D N: 1.00000	NU: 15	D: BA 136	
177.00 62.86	YB 165 -----	157.80 100.00	177.00<= 62.86	130.70 31.43	307.50 31.43	93.61 7.14	110.00 5.14	118.60 5.14	H: 32.00D N: 0.35000	NU: 9	D: TM 169	
177.60 18.00	HO 159 -----	121.00 100.00	132.00 67.00	309.60 42.00	252.90 41.00	177.60<= 18.00	100.60 11.00	217.70 9.90	H: 33.00H N: *****	NU: 58	D: DY 159 *	
177.60 54.60	IR 187 -----	912.82 100.00	400.90 82.70	610.86 78.20	977.40 69.90	177.60<= 54.60	987.20 54.30	167.40 35.60	H: 11.00H N: *****	NU: 98	D: CS 187	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
178.10 30.50	XE 123 -----	149.90 100.00	178.10<= 30.50	330.20 17.50	511.01 8.09	1093.40 5.70	899.60 5.00	1113.10 3.20		H: 2.10H N: *****	NU: 99	D: J 123 *
178.90 38.00	RB 77 -----	66.60 100.00	178.90<= 38.00	393.50 13.00	150.10 7.50	254.30 3.10	244.40 2.50			H: 3.90H N: *****	NU: 6	D: KR 77 *
179.50 0.90	RH 101M -----	306.76 100.00	545.20 5.60	127.13 1.20	179.50<= 0.90	237.60 0.50	233.20 0.40	183.90 0.30		H: 4.40D N: *****	NU: 8	D: RU 101
179.94 39.00	PU 246 -----	43.81 100.00	223.75 94.90	179.94<= 39.00	27.58 14.00	66.60 1.00	255.54 0.92	75.64 0.72		H: 10.90D N: *****	NU: 13	D: AM 246 *
180.10 22.00	TB 155 -----	86.60 100.00	105.36 72.50	162.30 23.50	180.10<= 22.00	263.20 14.20	148.60 7.20	60.04 5.00		H: 5.32D N: *****	NU: 16	D: GD 155
180.20 68.00	OS 182 -----	509.90 100.00	180.20<= 68.00	55.50 18.00	263.20 13.50	130.80 6.50	274.30 3.40	241.40 1.90		H: 21.00H N: *****	NU: 33	D: RE 182 *
180.23 5.22	HG 195 -----	61.43 100.00	779.78 8.42	180.23<= 5.22	585.11 2.58	207.07 2.58	56.70 2.57	261.75 2.52		H: 9.50H N: *****	NU: 33	D: AU 195 *
180.40 6.71	RA 214M -----	256.60 100.00	87.30 16.20	180.40<= 6.71	74.90 5.17					H: 0.0 N: *****	NU: 4	D: \$\$\$\$
181.00 18.50	TA 173 -----	172.00 100.00	162.00 66.70	181.00<= 18.50	702.00 14.80					H: 3.50H N: *****	NU: 4	D: HF 173 *
181.00 40.90	AU 187 -----	185.00 100.00	190.00 78.10	251.00 66.00	432.00 60.00	247.00 45.00	236.00 41.50	181.00<= 40.00		H: 8.00H N: *****	NU: 7	D: PT 187
181.20 6.90	AM 239 -----	277.60 100.00	228.10 86.00	209.70 24.00	226.10 22.00	181.20<= 6.90	285.40 5.70	254.60 0.50		H: 12.10H N: *****	NU: 9	D: PU 239
182.00 67.00	HO 170M -----	932.00 100.00	853.00 70.00	182.00<= 67.00	889.00 57.00	1139.00 57.00	786.00 47.00	740.00 37.00		H: 2.90H N: *****	NU: 10	D: HO 170 *
182.30 100.00	BA 129 -----	182.30<= 100.00	214.30 87.00	1459.30 56.00	220.80 53.00	129.10 51.00	202.30 39.00	420.20 25.00		H: 2.17H N: *****	NU: 98	D: CS 129 *
182.50 19.00	RB 79 -----	153.40 100.00	687.50 82.00	143.40 55.00	351.20 40.00	397.80 30.00	303.10 26.00	182.50<= 19.00		H: 22.10H N: *****	NU: 18	D: KR 79 *
182.90 94.00	PT 184 -----	154.90 100.00	182.90<= 94.00	548.40 77.00	731.20 43.00	216.50 17.00	92.60 16.00	394.60 16.00		H: 17.30H N: *****	NU: 32	D: IR 184 *
183.90 0.30	RH 101M -----	306.76 100.00	545.20 5.60	127.13 1.20	179.50 0.90	237.60 0.50	233.20 0.40	183.90<= 0.30		H: 4.40D N: *****	NU: 8	D: RU 101
184.20 81.37	TM 166 -----	779.90 100.00	2053.90 88.24	184.20<= 81.37	1275.20 68.63	704.40 55.88	786.60 49.51	673.10 44.36		H: 7.70H N: 0.20400	NU: 77	D: ER 166
184.20 33.01	TM 168 -----	199.20 100.00	815.90 95.97	447.40 47.02	184.20<= 33.01	741.30 24.18	720.30 23.42	821.10 22.46		H: 93.10D N: 0.52100	NU: 31	D: ER 168
184.50 100.00	GA 67 -----	184.50<= 100.00	300.20 88.61	393.40 27.43	91.39 13.80	208.96 8.44	404.40 0.84	887.90 0.84		H: 78.00H N: 0.23700	NU: 7	D: ZN 67
184.53 5.51	DY 155 -----	226.94 100.00	90.32 23.09	511.01 7.35	1088.90 6.10	999.20 5.53	184.53<= 5.51	905.10 5.00		H: 9.60H N: 0.68000	NU: 98	D: TB 155 *
184.54 100.00	CU 67 -----	184.54<= 100.00	93.31 35.96	91.31 15.53	300.18 1.57	393.57 0.43	208.94 0.23			H: 61.90H N: 0.47000	NU: 6	D: ZN 67
185.00 100.00	HO 162M -----	185.00<= 100.00	1220.00 78.40	282.90 39.30	937.20 37.30	80.70 31.10	1319.60 7.26	1124.90 4.07		H: 68.00H N: *****	NU: 42	D: HC 162
185.00 100.00	HO 162 -----	185.00<= 100.00	511.01 97.83	80.00 84.78	930.00 51.09	1220.00 46.74	283.00 32.61			H: 15.00H N: 0.09200	NU: 6	D: DY 162
185.00 100.00	AU 187 -----	185.00<= 100.00	190.00 78.10	251.00 66.00	422.00 60.00	247.00 45.00	236.00 41.50	181.00 40.00		H: 8.00H N: *****	NU: 7	D: PT 187
185.30 31.77	IP 181 -----	108.00 100.00	227.70 59.38	319.00 52.08	232.60 35.94	185.30<= 31.77	93.00 25.52	309.00 19.27		H: 5.00H N: *****	NU: 10	D: CS 181 *
186.00 7.00	PT 182 -----	136.00 100.00	146.00 15.40	210.00 12.00	186.00<= 7.00					H: 2.60H N: *****	NU: 4	D: IR 182 *
186.17 100.00	AU 193 -----	186.17<= 100.00	255.57 67.00	698.00 63.00	268.22 39.00	173.52 29.00	439.04 19.00	110.28 15.00		H: 17.50H N: *****	NU: 59	D: PT 193
186.90 59.30	PT 187 -----	106.40 100.00	201.40 81.50	110.00 65.20	284.90 62.60	186.80<= 59.30	709.20 59.00	304.80 49.10		H: 2.30H N: *****	NU: 47	D: IR 187 *
187.40 35.60	IP 187 -----	912.82 100.00	400.90 82.70	610.86 78.20	977.40 60.90	177.60 54.60	987.20 54.30	187.40<= 35.60		H: 11.00H N: *****	NU: 88	D: CS 187
188.10 16.15	HO 157 -----	86.50 100.00	341.10 65.38	280.00 40.38	193.40 36.92	272.20 18.08	188.10<= 16.15	896.60 15.77		H: 14.00H N: 0.26000	NU: 98	D: DY 157 *
188.90 100.00	SR 79 -----	188.90<= 100.00	166.40 73.00	115.70 63.00	559.90 63.00	444.20 37.00	611.20 26.00	255.70 8.00		H: 8.10M N: *****	NU: 7	D: RB 79 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER NU: NUMBER OF ENERGIES IN TABLE 1	K: NORMAL FACTOR
190.00 100.00	KR 81M -----	190.00<=								H: 13.0CS N: 0.65000	NU: 1	D: KR 81
190.00 78.10	AU 187 -----	195.00 100.00	190.00<=	251.00 66.00	432.00 60.00	247.00 45.00	236.00 41.50	181.00 40.00		H: 8.00M N: *****	NU: 7	D: PT 187
191.30 95.00	LU 169 -----	960.30 100.00	191.30<=	1450.40 40.00	889.50 20.00	87.27 13.00	378.60 9.50	1184.50 9.10		H: 34.06H N: *****	NU: 95	D: Y 169 *
191.40 11.11	HG 197 -----	77.00 100.00	191.40<=	269.00 0.83						H: 64.14H N: 0.18000	NU: 3	D: AU 197
191.50 100.00	AU 186 -----	191.50<=	298.60 41.00	765.40 17.00	415.50 13.70	798.70 8.60	607.20 8.50	1216.20 6.00		H: 12.00M N: *****	NU: 61	D: PT 186 *
192.80 86.53	ER 173 -----	895.20 100.00	199.20 89.26	192.80<=	122.40 38.32	116.14 34.95	800.80 17.85	94.20 8.93		H: 1.40M N: 0.47500	NU: 8	D: TM 173 *
193.00 14.86	LA 132 -----	464.00 100.00	567.00 20.54	193.00<=	1909.00 12.57	663.00 11.76	1031.00 11.49	540.00 8.78		H: 4.50H N: 0.74000	NU: 99	D: BA 132
193.40 36.92	HO 157 -----	86.50 100.00	341.10 65.38	280.00 40.38	193.40<=	272.20 18.08	188.10 16.15	896.60 15.77		H: 14.00M N: 0.26000	NU: 98	D: DY 157 *
194.40 1.20	PM 141 -----	511.01 100.00	1223.20 2.70	885.80 1.40	194.40<=	1344.30 0.76	622.00 0.59	1565.00 0.54		H: 20.90M N: *****	NU: 12	D: ND 141
195.10 25.90	AT 209 -----	545.10 100.00	781.90 94.00	790.30 74.00	195.10<=	239.00 13.50	903.20 9.20	551.30 6.50		H: 5.30H N: *****	NU: 39	D: PD 209 *
196.60 100.00	SM 141M -----	196.60<=	431.80 54.40	777.40 27.30	1786.40 14.70	1490.30 12.50	911.30 12.40	1145.10 11.70		H: 22.10M N: *****	NU: 47	D: PM 141 *
197.30 100.00	SB 120M -----	197.30<=	1171.70 98.00	1023.30 97.10	89.80 83.30	1113.40 0.88				H: 5.80D N: *****	NU: 5	D: SN 120
197.40 62.00	BI 198 -----	1062.90 100.00	562.00 66.00	197.40<=	317.50 37.00					H: 11.80M N: *****	NU: 4	D: PB 198
197.80 100.00	YB 169 -----	197.80<=	177.00 62.86	130.70 31.43	307.50 31.43	93.61 7.14	110.00 5.14	118.60 5.14		H: 32.00D N: 0.35000	NU: 9	D: TM 169
198.00 100.00	RH 101 -----	198.00<=	127.13 90.00	325.80 23.00	295.40 0.90	439.55 0.06				H: 3.00A N: *****	NU: 5	D: RU 101
198.20 100.00	TM 168 -----	198.20<=	815.90 95.97	447.40 47.02	184.20 33.01	741.30 24.18	720.30 23.42	821.10 22.46		H: 93.10D N: 0.52100	NU: 31	D: ER 168
198.60 2.34	SE 75 -----	264.56 100.00	136.00 94.08	279.53 42.30	400.64 20.98	121.11 10.49	198.60<=	303.91 2.30		H: 120.40D N: 0.59100	NU: 14	D: AS 75
198.80 100.00	LU 168 -----	198.80<=	87.80 43.60	979.20 38.90	884.70 25.50	896.10 24.90	1164.70 21.10	1136.80 20.90		H: 7.00M N: *****	NU: 94	D: YB 168
199.20 61.00	TB 156 -----	534.10 100.00	199.20<=	1222.10 46.00	88.93 29.00	1067.00 21.00	1065.00 21.00	356.39 19.00		H: 5.10D N: *****	NU: 44	D: GD 156
199.20 89.26	ER 173 -----	895.20 100.00	159.20<=	192.80 86.53	122.40 38.32	116.14 34.95	800.80 17.85	94.20 8.93		H: 1.40M N: 0.47500	NU: 8	D: TM 173 *
199.80 0.10	AU 195 -----	98.84 100.00	129.78 7.26	30.94 6.46	211.10 0.18	199.80<=	0.10			H: 183.00D N: 0.11300	NU: 5	D: PT 195
200.35 2.06	HG 195M -----	56.70 100.00	261.75 98.40	560.24 16.30	387.93 4.88	200.35<=	1241.00 2.06	525.80 1.15		H: 40.00H N: *****	NU: 37	D: HG 195 *
201.40 81.50	PT 187 -----	106.40 100.00	201.40<=	110.00 65.20	284.90 62.60	186.80 59.30	709.20 59.00	304.80 49.10		H: 2.30H N: *****	NU: 47	D: IR 187 *
201.80 1.61	AU 197M -----	278.90 100.00	130.20 4.40	201.80<=	409.10 0.15					H: 7.86S N: 0.72800	NU: 4	D: AU 197
201.80 0.20	HG 197M -----	133.90 100.00	279.00 14.42	165.00 0.93	130.20 0.49	201.80<=	409.10 0.20			H: 24.00H N: 0.43000	NU: 6	D: HG 197 *
201.84 24.36	TA 176 -----	1159.30 100.00	201.84<=	1224.90 23.17	1584.00 22.02	710.49 21.33	1696.50 19.50	1823.60 18.72		H: 8.00H N: 0.21800	NU: 99	D: HF 176
202.30 39.00	BA 129 -----	182.30 100.00	214.30 87.00	1459.30 56.00	220.80 53.00	129.10 51.00	202.30<=	420.20 25.00		H: 2.17H N: *****	NU: 98	D: CS 129 *
202.40 100.00	Y 90M -----	202.40<=	479.30 95.66							H: 3.10H N: 0.96700	NU: 2	D: Y 90 *
203.00 21.10	HG 187 -----	233.00 100.00	378.00 50.00	271.00 37.00	240.00 33.89	104.00 26.30	220.00 23.20	203.00<=		H: 2.20M N: *****	NU: 10	D: AU 187 *
203.10 8.17	HO 90 -----	257.34 100.00	122.37 82.55	511.01 63.21	203.10<=	445.40 8.17	162.93 7.66	941.50 7.10		H: 5.70H N: 0.79100	NU: 23	D: NB 90 *
203.30 100.00	IN 109 -----	203.30<=	623.80 7.10	1148.80 7.09	426.20 5.30	650.10 3.80	1622.50 2.00	614.00 2.80		H: 4.30H N: *****	NU: 55	D: CD 109 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN TABLE 1	N: NORMAL FACTOR
204.12 100.00	TC 95M -----	204.12<=	582.07 55.00	835.13 45.00	786.18 15.00	820.61 8.00	765.80 6.00	1039.25 5.00	H: 60.00D N: *****	NU: 13	D: MC 95	
205.00 100.00	IN 107 -----	205.00<=	505.40 26.50	320.90 20.00	1268.40 9.00	365.60 7.40	728.10 5.80	809.00 5.00	H: 32.00M N: *****	NU: 98	D: CD 107 *	
205.00 68.00	AM 246 -----	679.00 100.00	205.00<=	153.50 48.00	756.00 25.00	834.00 10.00	99.20 9.00	781.00 7.50	H: 40.00M N: *****	NU: 11	D: CH 246 *	
205.40 2.20	PT 186 -----	689.20 100.00	611.50 8.60	635.60 5.40	366.70 3.30	210.30 2.60	280.80 2.40	205.40<=	H: 2.00H N: *****	NU: 15	D: IR 186 *	
206.36 17.22	CE 135 -----	265.30 100.00	299.85 55.56	605.70 44.44	517.10 30.56	571.20 29.44	782.80 22.33	206.36<=	H: 17.00H N: 0.18000	NU: 43	D: LA 135 *	
206.62 100.00	TA 174 -----	206.62<=	511.01 78.27	1205.87 7.09	1359.40 3.24	1227.10 2.94	1358.10 2.17	310.82 2.14	H: 1.20M N: 0.61200	NU: 97	D: HF 174	
206.90 1.42	GA 65 -----	511.01 100.00	115.10 30.60	61.10 6.56	153.00 4.97	751.80 4.54	53.80 2.73	206.90<=	H: 15.20M N: 1.83000	NU: 74	D: ZN 65 *	
207.00 18.20	HF 170 -----	123.00 100.00	162.00 89.50	620.00 56.40	572.00 45.50	100.00 25.00	347.00 18.60	207.00<=	H: 12.00H N: *****	NU: 9	D: LU 170 *	
207.07 2.58	HG 195 -----	61.43 100.00	779.78 8.42	180.23 5.22	585.11 2.58	207.07<=	56.70 2.57	261.75 2.52	H: 9.50H N: *****	NU: 33	D: AU 195 *	
207.80 100.00	TM 167 -----	207.80<=	531.50 1.52	346.50 0.02	323.70 0.00	250.20 0.00	266.50 0.00		H: 9.25D N: 0.98500	NU: 6	D: ER 167	
207.80 21.00	TL 193 -----	324.20 100.00	1047.70 54.00	344.10 44.00	676.20 41.00	335.30 27.00	284.60 22.00	207.80<=	H: 21.60M N: *****	NU: 7	D: HG 193 *	
208.08 100.00	TM 164M -----	208.08<=	314.93 65.57	240.49 50.93	547.00 30.27	897.91 29.07	91.39 28.47	1364.60 27.87	H: 5.10M N: 0.18300	NU: 31	D: ER 164	
208.08 1.65	TM 164 -----	511.01 100.00	91.39 9.34	1154.63 2.33	768.92 1.99	208.08<=	860.31 1.56	1610.74 1.55	H: 2.00M N: 0.78200	NU: 93	D: ER 164	
208.20 21.62	AU 199 -----	158.37 100.00	208.20<=	21.62					H: 3.15D N: 0.37000	NU: 2	D: HG 199	
208.94 0.23	CU 67 -----	184.54 100.00	93.31 35.96	91.31 15.53	300.18 1.57	393.57 0.43	208.94<=	0.23	H: 61.90H N: 0.47000	NU: 6	D: ZN 67	
208.96 8.44	GA 67 -----	184.50 100.00	300.20 88.61	393.40 27.43	91.30 13.80	208.96<=	494.40 0.84	887.90 0.84	H: 78.00H N: 0.23700	NU: 7	D: ZN 67	
209.70 24.00	AM 239 -----	277.60 100.00	228.10 86.00	209.70<=	226.10 22.00	181.20 6.90	285.40 5.70	254.60 0.50	H: 12.10H N: *****	NU: 9	D: PU 239	
209.76 15.87	CM 243 -----	103.75 100.00	277.62 67.31	99.54 64.90	228.20 50.96	117.10 36.54	209.76<=	120.60 12.50	H: 32.00A N: 0.20800	NU: 15	D: PU 239 *	
209.80 17.39	NP 239 -----	106.10 100.00	277.50 60.87	228.20 55.22	209.80<=	334.10 17.39	315.70 6.52	285.00 2.74	H: 2.35D N: 0.23000	NU: 9	D: PU 239 *	
210.00 12.00	PT 182 -----	136.00 100.00	146.00 15.40	210.00<=	186.00 7.00				H: 2.60M N: *****	NU: 4	D: IR 182 *	
210.30 2.60	PT 186 -----	689.20 100.00	611.50 8.60	635.60 5.40	366.70 3.30	210.30<=	280.80 2.40	205.40 2.20	H: 2.00H N: *****	NU: 15	D: IR 186 *	
211.10 0.18	AU 195 -----	98.84 100.00	129.78 7.26	30.94 6.46	211.10<=	199.80 0.18			H: 183.00D N: 0.11300	NU: 5	D: PT 195	
211.15 44.88	ER 161 -----	826.55 100.00	211.15<=	592.65 5.40	76.23 4.86	314.76 4.11	94.13 2.00	864.90 1.98	H: 3.10H N: 0.61500	NU: 96	D: HO 161 *	
212.30 100.00	TE 121M -----	212.30<=							H: 154.00D N: 0.82000	NU: 1	D: TE 121 *	
213.45 31.80	PR 135 -----	511.01 100.00	296.12 66.70	82.64 33.30	213.45<=	538.20 19.70	697.50 10.50	613.80 4.35	H: 22.00M N: *****	NU: 43	D: CE 135 *	
214.30 87.00	BA 129 -----	182.30 100.00	214.30<=	1459.30 56.00	220.80 53.00	129.10 51.00	202.30 39.00	420.20 25.00	H: 2.17H N: *****	NU: 98	D: CS 129 *	
215.20 100.00	RU 97 -----	215.20<=	324.40 11.76	570.00 0.88	560.60 0.42	108.90 0.16	461.30 0.13	785.50 0.09	H: 2.88D N: 0.91000	NU: 12	D: TC 97 *	
215.40 56.92	RB 84M -----	248.00 100.00	215.40<=	463.70 49.23					H: 21.00M N: 0.65000	NU: 3	D: RB 84 *	
215.70 100.00	TL 191 -----	215.70<=	326.10 64.00	264.70 46.00	336.50 34.00	378.20 27.00	563.40 17.00		H: 5.20M N: *****	NU: 6	D: HG 191 *	
216.30 100.00	TL 180 -----	216.30<=	325.00 70.00	229.00 40.00					H: 1.40M N: *****	NU: 3	D: HG 139 *	
216.40 11.30	RE 184M -----	920.90 100.00	216.40<=	317.60 8.10	536.50 4.90	384.00 4.05	1174.10 1.10	1110.20 0.65	H: 165.00D N: *****	NU: 7	D: RE 184 *	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE	D: DAUGHTER	N: NORMAL FACTOR
										NU: NUMBER OF ENERGIES IN TABLE I		
216.50 17.00	PT 184 -----	154.90 100.00	182.90 94.00	548.40 77.00	731.20 43.00	216.50<= 17.00	92.60 16.00	394.60 16.00	H: 17.30H N: *****	NU: 32	D: IR 184 *	
216.70 8.60	IR 189 -----	245.00 100.00	69.50 59.00	59.10 21.00	36.20 11.20	275.80 9.00	219.40 8.80	216.70<= 8.60	H: 13.30D N: *****	NU: 25	D: OS 189	
217.00 75.00	HG 182 -----	129.00 100.00	217.00<= 75.00	413.00 53.00					H: 11.30S N: *****	NU: 3	D: PT 178 *	
217.20 12.00	KR 79 -----	511.01 100.00	261.40 73.33	397.50 53.33	606.00 53.33	306.60 14.67	217.20<= 12.00	389.10 9.33	H: 34.90H N: 0.15000	NU: 38	D: BR 79	
217.70 9.90	HO 159 -----	121.00 100.00	132.00 67.00	309.60 42.00	252.90 41.00	177.60 18.00	100.60 11.00	217.70<= 9.90	H: 33.00H N: *****	NU: 58	D: DY 159 *	
218.60 9.60	TM 165 -----	242.70 100.00	806.80 33.00	459.90 10.60	218.60<= 9.60	346.60 8.56	356.30 7.80	389.20 7.70	H: 30.06H N: *****	NU: 49	D: ER 165 *	
219.00 5.14	BR 74 -----	634.60 100.00	728.30 34.70	1269.10 8.14	1249.60 5.83	1714.60 5.83	615.10 5.57	219.00<= 5.14	H: 43.70H N: *****	NU: 61	D: SE 74	
219.40 8.80	IR 189 -----	245.00 100.00	69.50 59.00	59.10 21.00	36.20 11.20	275.80 9.00	219.40<= 8.80	216.70 8.60	H: 13.30D N: *****	NU: 25	D: CS 189	
220.00 5.80	K 43 -----	372.90 100.00	617.30 87.00	397.00 14.00	593.30 13.00	220.00<= 5.80	1021.80 2.70	989.90 1.00	H: 22.20H N: *****	NU: 12	D: CA 43	
220.00 23.20	HG 187 -----	233.00 100.00	378.00 50.00	271.00 37.00	240.00 33.80	104.00 26.30	220.00<= 23.20	203.00 21.10	H: 2.20H N: *****	NU: 10	D: AU 187 *	
220.60 53.00	SA 129 -----	182.30 100.00	114.30 87.00	1459.30 56.00	220.60<= 53.00	120.10 51.00	202.30 39.00	420.20 25.00	H: 2.17H N: *****	NU: 98	D: CS 129 *	
222.40 17.90	PB 197M -----	385.60 100.00	222.40<= 17.90	773.00 13.80	895.00 11.60	695.00 10.20	375.30 6.93	957.00 7.32	H: 42.00H N: *****	NU: 17	D: TL 197 *	
223.75 94.00	PU 246 -----	49.81 100.00	223.75<= 94.00	179.94 39.00	27.50 14.00	60.60 1.00	255.54 0.92	75.64 0.72	H: 10.90D N: *****	NU: 12	D: AM 246 *	
223.80 15.90	IR 185 -----	254.20 100.00	97.30 31.70	100.60 18.30	158.20 18.10	223.80<= 15.90	153.50 15.20	160.70 13.20	H: 14.00H N: *****	NU: 32	D: OS 185 *	
225.20 66.00	IN 106 -----	511.01 100.00	1716.50 87.00	632.80 67.00	225.20<= 66.00	861.80 18.00	998.50 6.00	1009.60 4.00	H: 5.38H N: *****	NU: 33	D: CD 106	
226.10 22.00	AM 239 -----	277.60 100.00	228.10 86.00	209.70 24.00	226.10<= 22.00	181.20 6.90	285.40 5.70	254.60 0.50	H: 12.10H N: *****	NU: 9	D: PU 239	
226.40 14.10	TL 198M -----	411.70 100.00	636.80 95.90	587.40 89.70	282.70 52.50	226.40<= 14.10	489.60 8.60	259.90 7.80	H: 1.87H N: *****	NU: 63	D: TL 198 *	
226.94 100.00	DY 155 -----	226.94<= 100.00	90.32 23.09	511.01 7.35	1088.90 6.10	999.20 5.53	184.53 5.51	905.10 5.00	H: 9.60H N: 0.68000	NU: 98	D: TB 155 *	
227.70 59.38	IR 181 -----	109.00 100.00	227.70<= 59.38	319.00 52.08	232.60 35.94	185.30 31.77	93.00 25.52	309.00 19.27	H: 5.00H N: *****	NU: 10	D: OS 181 *	
228.10 86.00	AM 239 -----	277.60 100.00	228.10<= 86.00	209.70 24.00	226.10 22.00	181.20 6.90	285.40 5.70	254.60 0.50	H: 12.10H N: *****	NU: 9	D: PU 239	
228.20 55.22	NP 239 -----	106.10 100.00	277.50 60.87	228.20<= 55.22	209.80 17.39	334.10 8.70	315.70 6.52	285.00 2.74	H: 2.35D N: 0.23000	NU: 9	D: PU 239 *	
228.20 15.00	AM 243 -----	285.47 100.00	74.67 86.84	106.14 36.58	103.75 29.21	99.54 19.08	277.62 18.68	228.20<= 15.00	H: 795.01E N: 0.76000	NU: 16	D: NP 239 *	
228.20 50.96	CM 243 -----	103.75 100.00	277.62 67.31	99.54 64.90	228.20<= 50.96	117.10 36.54	209.76 15.87	120.60 12.50	H: 32.00A N: 0.20800	NU: 15	D: PU 239 *	
229.00 40.00	TL 189 -----	216.30 100.00	335.00 70.00	229.00<= 40.00					H: 1.40H N: *****	NU: 3	D: HG 189 *	
229.25 100.00	GD 147 -----	229.25<= 100.00	396.02 53.10	929.10 33.10	370.00 27.10	766.00 18.20	893.60 13.80	1069.50 12.30	H: 35.00H N: *****	NU: 96	D: EU 147 *	
229.50 0.87	HF 175 -----	343.60 100.00	89.60 3.60	432.80 1.80	229.50<= 0.87	113.80 0.35			H: 70.00D N: *****	NU: 5	D: LU 175	
230.30 0.10	GD 146 -----	154.70 100.00	115.60 88.59	114.70 86.58	269.50 0.20	230.30<= 0.10			H: 48.30D N: 0.44700	NU: 5	D: EU 146 *	
231.60 100.00	SR 85M -----	231.60<= 100.00	151.22 14.12	238.60 0.39					H: 67.60H N: 0.85000	NU: 3	D: SR 85 *	
232.00 150.00	Y 85 -----	232.00<= 150.00	2123.00 25.00	768.00 20.00	1404.00 15.43	2173.00 11.13	1220.00 7.60	1029.00 7.42	H: 4.50H N: 0.22100	NU: 29	D: SR 85 *	
232.60 35.94	IR 181 -----	109.00 100.00	227.70 59.38	319.00 52.08	232.60<= 35.94	185.30 31.77	93.00 25.52	309.00 19.27	H: 5.00H N: *****	NU: 10	D: OS 181 *	
233.00 100.00	HG 187 -----	233.00<= 100.00	378.00 50.00	271.00 37.00	240.00 33.80	104.00 26.30	220.00 23.20	203.00 21.10	H: 2.20H N: *****	NU: 10	D: AU 187 *	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)						H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR	
233.20 0.40	RH 101M -----	306.76 100.00	545.20 5.60	127.13 1.20	179.50 0.90	237.60 0.50	233.20<= 0.40	183.90 0.30	H: 4.40D N: *****	NU: 8	D: RU 101
234.20 0.60	OS 185 -----	646.11 100.00	874.81 8.06	880.27 6.65	717.42 5.37	592.07 1.66	162.70 0.81	234.20<= 0.60	H: 94.00D N: 0.78200	NU: 11	D: RE 185
236.00 41.50	AU 187 -----	185.00 100.00	190.00 78.10	251.00 66.00	432.00 60.00	247.00 45.00	236.00<= 41.50	181.00 40.00	H: 8.00H N: *****	NU: 7	D: PT 187
236.20 14.00	IR 182 -----	273.00 100.00	127.20 80.00	912.30 20.70	236.20<= 14.00	890.90 13.50	764.00 12.50	790.10 7.33	H: 15.00H N: *****	NU: 68	D: OS 182 *
236.30 2.90	OS 183 -----	381.80 100.00	114.43 27.00	167.90 10.00	851.00 5.00	236.30<= 2.90	145.43 1.90	1162.70 1.50	H: 14.00H N: *****	NU: 37	D: RE 183 *
236.70 100.00	HG 184 -----	236.70<= 100.00	156.40 67.30	295.80 13.10	259.50 8.12	262.90 5.54	159.50 5.20	422.00 4.00	H: 32.20S N: *****	NU: 14	D: \$\$\$\$\$
237.00 10.60	AU 184 -----	163.20 100.00	273.10 76.70	361.90 32.40	594.00 14.80	777.00 12.80	486.30 11.90	237.00<= 10.60	H: 47.00S N: *****	NU: 28	D: \$\$\$\$\$
237.60 0.50	RH 101M -----	306.76 100.00	545.20 5.60	127.13 1.20	179.50 0.90	237.60<= 0.50	233.20 0.40	183.90 0.30	H: 4.40D N: *****	NU: 8	D: RU 101
238.60 0.39	SR 85M -----	231.60 100.00	151.22 14.12	238.60<= 0.39					H: 67.60H N: 0.85000	NU: 3	D: SR 85 *
239.00 100.00	BR 77 -----	239.00<= 100.00	520.00 85.71	297.00 15.00	250.00 10.36	579.00 10.36	88.00 8.93	282.00 8.21	H: 57.00H N: 0.28000	NU: 32	D: SE 77
239.00 2.31	GD 151 -----	153.57 100.00	243.22 89.90	174.65 48.30	21.54 46.20	307.43 16.50	239.00<= 2.31	353.51 2.04	H: 120.00D N: *****	NU: 19	D: EU 151
239.00 13.50	AT 209 -----	545.10 100.00	781.90 94.00	790.30 74.00	195.10 25.90	239.00<= 13.50	903.20 9.20	551.30 6.50	H: 5.30H N: *****	NU: 39	D: PO 209 *
240.00 33.80	HG 187 -----	233.00 100.00	378.00 50.00	271.00 37.00	240.00<= 33.80	104.00 26.30	220.00 23.20	203.00 21.10	H: 2.20H N: *****	NU: 10	D: AU 187 *
240.49 50.93	TM 164H -----	208.08 100.00	314.93 65.57	240.49<= 50.93	547.00 30.27	897.91 29.07	91.39 28.47	1364.60 27.87	H: 5.10H N: 0.18300	NU: 31	D: ER 164
241.40 1.90	OS 182 -----	509.90 100.00	180.20 68.00	55.50 18.00	263.20 13.50	130.80 6.50	274.30 3.40	241.40<= 1.90	H: 21.00H N: *****	NU: 33	D: RE 182 *
241.40 21.00	HG 191 -----	252.60 100.00	420.30 33.00	578.70 31.00	274.10 23.00	241.40<= 21.00	536.10 14.00	371.00 11.00	H: 50.80H N: *****	NU: 79	D: AU 191 *
241.90 22.86	PR 133 -----	511.01 100.00	134.30 57.14	315.60 48.57	74.00 42.29	465.00 28.57	330.80 24.57	241.90<= 22.86	H: 6.50H N: *****	NU: 52	D: CE 133 *
241.92 17.21	RA 226 -----	609.40 100.00	351.99 81.40	295.22 41.86	1764.70 39.53	1120.40 32.56	241.92<= 17.21	1238.20 14.88	H: 160.01E N: 0.43000	NU: 62	D: RN 222 *
242.70 100.00	TM 165 -----	242.70<= 100.00	806.80 33.00	459.90 10.60	218.60 9.60	346.60 8.56	356.30 7.80	389.20 7.70	H: 30.06H N: *****	NU: 149	D: ER 165 *
243.22 89.90	GD 151 -----	153.57 100.00	243.22<= 89.90	174.65 48.30	21.54 46.20	307.43 16.50	239.00 2.31	353.51 2.04	H: 120.00D N: *****	NU: 19	D: EU 151
243.41 10.31	ZN 62 -----	40.87 100.00	548.29 62.22	243.41<= 10.31	393.84 9.24	247.02 8.27	260.41 5.96	636.90 3.31	H: 9.75H N: 0.22500	NU: 9	D: NI 62
243.50 75.00	PT 189 -----	721.40 100.00	607.60 87.00	94.34 82.00	568.90 76.00	243.50<= 75.00	544.90 62.00	141.18 45.00	H: 10.90H N: *****	NU: 99	D: IR 189 *
244.40 2.50	RB 77 -----	66.60 100.00	178.90 38.00	393.50 13.00	150.10 7.50	254.30 3.10	244.40<= 2.50		H: 3.90H N: *****	NU: 6	D: KR 77 *
245.00 30.21	DY 153 -----	80.80 100.00	82.50 100.00	100.00 88.54	255.00 66.67	274.00 57.29	148.00 38.54	245.00<= 30.21	H: 6.29H N: 0.09600	NU: 7	D: TB 153 *
245.00 100.00	IR 189 -----	245.00<= 100.00	69.50 59.00	59.10 21.00	36.20 11.20	275.80 9.00	219.40 8.80	216.70 8.60	H: 13.30D N: *****	NU: 25	D: OS 189
245.00 22.00	PB 200 -----	1026.30 100.00	462.00 63.00	419.60 53.00	245.00<= 22.00	493.60 7.60	545.70 4.60	810.20 4.20	H: 21.50H N: *****	NU: 10	D: TL 200 *
245.30 100.00	IN 111 -----	245.30<= 100.00	171.20 94.68						H: 2.81D N: 0.94000	NU: 2	D: CD 111
245.30 80.00	AT 210 -----	1181.40 100.00	245.30<= 80.00	1483.30 46.80	1436.70 29.20	1599.50 13.50	955.80 1.81	817.20 1.72	H: 8.30H N: 1.00000	NU: 59	D: PO 210 *
245.60 15.00	AG 111 -----	341.90 100.00	245.60<= 15.00	96.90 2.38	620.60 0.43	866.70 0.14	524.40 0.00		H: 7.45D N: 0.08000	NU: 6	D: CD 111
247.00 45.00	AU 187 -----	185.00 100.00	190.00 78.10	251.00 66.00	432.00 60.00	247.00<= 45.00	236.00 41.50	181.00 40.00	H: 8.00H N: *****	NU: 7	D: PT 187
247.02 8.27	ZN 62 -----	40.87 100.00	548.29 62.22	243.41 10.31	393.84 9.24	247.02<= 8.27	260.41 5.96	636.90 3.31	H: 9.75H N: 0.22500	NU: 9	D: NI 62

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE I
248.00 100.00	RB 84H -----	248.00<=	215.40	463.70						H: 21.0CM N: 0.65000	NU: 3	D: RB 84 *
248.30 0.08	J 123 -----	159.10	529.00	440.40	538.50	505.60	248.30<=	281.00		H: 13.30H N: 0.83000	NU: 14	D: TE 123
250.00 10.36	BR 77 -----	239.00	520.00	297.00	250.00<=	579.00	88.00	282.00		H: 57.0CH N: 0.28000	NU: 32	D: SE 77
250.20 0.00	TM 167 -----	207.80	531.50	346.50	323.70	250.20<=	266.50			H: 9.25D N: 0.98500	NU: 6	D: ER 167
250.30 87.04	CL 39 -----	1267.20	250.30<=	1517.40	1091.00	985.80	1561.60	1312.10		H: 56.20M N: 0.54000	NU: 11	D: AR 39 *
251.00 66.00	AU 187 -----	185.00	190.00	251.00<=	432.00	247.00	236.00	181.00		H: 8.00M N: *****	NU: 7	D: PT 187
252.00 16.20	KR 76 -----	315.70	270.20	45.50	406.50	451.90	252.00<=	355.30		H: 14.80H N: 0.35800	NU: 52	D: BR 76 *
252.60 100.00	HG 191 -----	252.60<=	420.30	578.70	274.10	241.40	536.10	371.00		H: 50.80M N: *****	NU: 79	D: AU 191*
252.60 0.80	TL 208 -----	2614.60	583.06	510.80	860.37	277.35	763.13	252.60<=		H: 3.05M N: 1.00000	NU: 16	D: PB 208
252.70 100.00	XE 121 -----	252.70<=	132.80	445.20	310.50	95.70	175.80	300.70		H: 40.10M N: *****	NU: 98	D: J 121 *
252.70 7.01	RE 184 -----	903.00	791.90	111.10	894.50	252.70<=	641.80	769.70		H: 38.00D N: 0.38100	NU: 17	D: W 184
252.70 3.94	CF 249 -----	388.10	333.30	109.30	252.70<=	104.60	123.40	266.60		H: 360.00A N: 0.66000	NU: 13	D: CP 245 *
252.90 41.00	HO 159 -----	121.00	132.00	309.60	252.90<=	177.60	100.60	217.70		H: 33.00M N: *****	NU: 58	D: DY 159 *
253.80 66.70	SE 73H -----	511.01	253.80<=	84.50	393.30	401.60	577.50	320.40		H: 43.00M N: *****	NU: 32	D: AS 73 *
253.90 93.00	SB 118H -----	1229.50	1050.80	253.90<=	511.01	41.00	1091.80	984.00		H: 5.10H N: 0.01000	NU: 8	D: SN 118
254.20 100.00	IR 185 -----	254.20<=	97.30	100.60	158.20	223.80	153.50	160.70		H: 14.00H N: *****	NU: 32	D: CS 185 *
254.30 3.10	RB 77 -----	66.60	178.90	393.50	150.10	254.30<=	244.40			H: 3.99M N: *****	NU: 6	D: KR 77 *
254.50 15.90	EU 149 -----	327.50	277.00	254.50<=	528.50	350.00	558.40	535.90		H: 106.00D N: 0.03900	NU: 13	D: SM 149
254.60 0.50	AM 239 -----	277.60	228.10	209.70	226.10	181.20	285.40	254.60<=		H: 12.10H N: *****	NU: 9	D: PU 239
254.70 1.50	PR 139 -----	511.01	1347.40	1630.60	254.70<=	1357.70	1320.00	1596.60		H: 4.50H N: 0.18000	NU: 13	D: CE 139 *
255.00 66.67	DY 153 -----	80.80	82.50	100.00	255.00<=	274.00	148.00	245.00		H: 6.29H N: 0.09600	NU: 7	D: TB 153 *
255.04 3.23	SN 113 -----	391.69	255.04<=							H: 115.10D N: 0.64100	NU: 2	D: IN 113 *
255.40 5.46	TL 194 -----	428.20	639.30	749.00	735.00	255.40<=	645.20	510.90		H: 33.00M N: *****	NU: 34	D: HG 194
255.54 0.92	PU 246 -----	43.81	223.75	179.94	27.58	66.60	255.54<=	75.64		H: 10.90D N: *****	NU: 13	D: AP 246 *
255.57 67.00	AU 193 -----	186.17	255.57<=	698.00	268.22	173.52	439.04	110.28		H: 17.50H N: *****	NU: 59	D: PT 193
255.70 8.00	SR 79 -----	188.90	166.40	115.70	559.90	444.20	611.20	255.70<=		H: 8.10M N: *****	NU: 7	D: RB 79 *
256.60 100.00	RA 214H -----	256.60<=	87.30	180.40	74.90					H: 0.0 N: *****	NU: 4	D: \$\$\$\$
257.34 100.00	HO 90 -----	257.34<=	122.37	511.01	203.10	445.40	162.93	941.50		H: 5.70H N: 0.79100	NU: 23	D: NB 90 *
257.90 8.00	PA 234H -----	1001.20	766.60	743.00	257.90<=	786.40	1738.20	1831.50		H: 1.16M N: *****	NU: 63	D: U 234
259.50 8.12	HG 184 -----	236.70	156.40	259.50	259.50<=	262.90	150.50	422.00		H: 32.20S N: *****	NU: 14	D: \$\$\$\$
259.90 7.80	TL 198H -----	411.70	636.80	587.40	282.70	226.40	489.60	259.90<=		H: 1.87H N: *****	NU: 63	D: TL 198 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
260.00 4.30	IN 121 -----	925.30 100.00	657.70 6.00	260.00<= 4.30						H: 25.00S N: *****	NU: 3	D: SN 121 *
260.41 5.96	ZN 62 -----	40.87 100.00	548.29 62.22	243.41 10.31	393.84 9.24	247.02 8.27	260.41<= 5.96	636.90 3.31		H: 9.75H N: 0.22500	NU: 9	D: NI 62
261.40 73.33	KR 79 -----	511.01 100.00	261.40<= 73.33	397.50 53.33	606.00 53.33	306.60 14.67	217.20 12.00	389.10 9.33		H: 34.90H N: 0.15000	NU: 38	D: BR 79
261.75 98.40	HG 195H -----	56.70 100.00	261.75<= 98.40	560.24 16.30	387.93 4.88	200.35 2.06	1241.00 1.48	525.80 1.15		H: 40.00H N: *****	NU: 37	D: HG 195 *
261.75 2.52	HG 195 -----	61.43 100.00	779.78 8.42	180.23 5.22	585.11 2.58	207.07 2.58	56.70 2.57	261.75<= 2.52		H: 9.50H N: *****	NU: 33	D: AU 195 *
262.90 5.54	HG 184 -----	236.70 100.00	156.40 67.30	295.80 13.10	259.50 8.12	262.90<= 5.54	159.50 5.20	422.00 4.00		H: 32.20S N: *****	NU: 14	D: \$\$\$\$
263.10 53.00	MO 93H -----	1477.20 100.00	684.70 92.00	263.10<= 53.00	1364.70 0.94	113.90 0.70	947.87 0.20			H: 6.90H N: *****	NU: 6	D: PD 93 *
263.20 14.20	TB 155 -----	86.60 100.00	105.36 72.50	162.30 23.50	180.10 22.00	263.20<= 14.20	148.60 7.20	60.04 5.00		H: 5.32D N: *****	NU: 16	D: GD 155
263.20 13.50	OS 182 -----	509.90 100.00	180.20 68.00	55.50 18.00	263.20<= 13.50	130.80 6.50	274.30 3.40	241.40 1.90		H: 21.00H N: *****	NU: 33	D: RE 182 *
263.50 28.00	PD 99 -----	136.40 100.00	263.50<= 28.00	673.00 19.00	399.60 6.60	386.00 5.80	785.00 5.00	427.50 4.30		H: 22.00H N: *****	NU: 12	D: RH 99 *
264.00 50.00	AU 182 -----	155.00 100.00	264.00<= 50.00							H: 19.00S N: *****	NU: 2	D: PT 182 *
264.30 100.00	IR 184 -----	264.30<= 100.00	120.20 45.00	390.60 38.50	961.10 19.00	841.00 12.00	1105.00 9.50	943.30 9.40		H: 3.20H N: *****	NU: 66	D: OS 184
264.56 100.00	SE 75 -----	264.56<= 100.00	136.00 94.08	279.53 42.30	400.64 20.98	121.11 10.49	198.60 2.34	303.91 2.30		H: 120.40D N: 0.59100	NU: 14	D: AS 75
264.70 46.00	TL 191 -----	215.70 100.00	326.10 64.00	264.70<= 46.00	336.50 34.00	378.20 27.00	563.40 17.00			H: 5.20H N: *****	NU: 6	D: HG 191 *
265.30 100.00	CE 135 -----	265.30<= 100.00	299.85 55.56	605.70 44.44	517.10 30.56	571.20 29.44	782.80 23.33	206.36 17.22		H: 17.00H N: 0.18000	NU: 43	D: LA 135 *
265.60 100.00	AU 188 -----	265.60<= 100.00	339.90 23.50	605.60 14.60	405.00 8.20	670.40 7.35	532.90 5.49	1083.90 5.45		H: 8.00H N: *****	NU: 96	D: PT 188 *
266.50 0.00	TM 167 -----	267.80 100.00	531.50 1.52	346.50 0.02	323.70 0.00	250.20 0.00	266.50<= 0.00			H: 9.25D N: 0.98500	NU: 6	D: ER 167
266.60 1.09	CF 249 -----	398.10 100.00	333.30 22.73	109.30 5.61	252.70 3.94	104.60 3.64	123.40 2.12	266.60<= 1.09		H: 360.00A N: 0.66000	NU: 13	D: CF 245 *
268.22 39.00	AU 193 -----	186.17 100.00	55.57 67.00	698.00 63.00	268.22<= 39.00	173.52 29.00	439.04 19.00	110.28 15.00		H: 17.50H N: *****	NU: 59	D: PT 193
269.00 0.83	HG 197 -----	77.00 100.00	191.40 11.11	269.00<= 0.83						H: 64.14H N: 0.18000	NU: 3	D: AU 197
269.50 0.20	GD 146 -----	154.70 100.00	115.60 88.50	114.70 86.58	269.50<= 0.20	230.30 0.10				H: 48.30D N: 0.44700	NU: 5	D: EU 146 *
269.66 30.90	PD 101 -----	256.25 100.00	590.36 62.00	269.66<= 30.90	24.40 20.30	565.77 18.00	723.76 12.00	1289.03 12.00		H: 8.30H N: *****	NU: 48	D: RH 101H*
270.00 13.00	AC 228 -----	911.10 100.00	568.90 59.90	338.40 42.40	964.60 19.90	794.80 16.30	462.80 15.90	270.00<= 13.00		H: 6.13H N: *****	NU: 95	D: TH 228 *
270.20 54.47	KR 76 -----	315.70 100.00	270.20<= 54.47	45.50 50.00	406.50 30.73	451.90 25.14	252.00 16.20	355.30 12.60		H: 14.80H N: 0.35800	NU: 52	D: BR 76 *
270.41 100.00	HF 182 -----	270.41<= 100.00	156.00 9.00	114.33 3.30	172.50 0.24	97.89 0.10				H: 900.04E N: *****	NU: 5	D: TA 182 *
271.00 37.00	HG 187 -----	233.00 100.00	378.00 50.00	271.00<= 37.00	240.00 33.80	104.00 26.30	220.00 23.20	203.00 21.10		H: 2.20H N: *****	NU: 10	D: AU 187 *
271.10 14.00	TB 152 -----	344.30 100.00	511.01 20.00	586.30 15.00	271.10<= 14.00	778.90 8.90	411.10 6.30	974.10 4.80		H: 17.50H N: *****	NU: 94	D: GD 152
271.19 100.00	SC 44H -----	271.19<= 100.00	1157.00 3.14							H: 2.44D N: 0.86000	NU: 2	D: SC 44 *
272.00 6.25	GD 149 -----	140.60 100.00	298.50 54.17	346.50 43.75	749.20 14.79	430.00 14.17	788.60 12.71	272.00<= 6.25		H: 9.40D N: 0.48000	NU: 25	D: EU 149 *
272.20 18.00	HO 157 -----	86.50 100.00	341.10 65.38	280.00 40.38	193.40 36.92	272.20<= 18.00	188.10 16.15	896.60 15.77		H: 14.00H N: 0.26000	NU: 99	D: DY 157 *
272.90 15.00	LU 174H -----	1241.50 100.00	991.70 16.00	272.90<= 15.00	175.90 13.00	1264.00 0.48	1318.00 0.42			H: 140.00D N: *****	NU: 6	D: LU 174 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF-LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER NU: NUMBER OF ENERGIES IN TABLE I	N: NORMAL FACTOR
272.97 25.00	GE 66 -----	511.01 100.00	381.85 65.00	108.85 27.00	272.97<= 25.00	338.05 19.00	470.62 18.00	65.20 16.00	H: 2.40H N: *****	NU: 89	D: GA 66 *
273.00 100.00	IR 182 -----	273.00<= 100.00	127.20 80.00	912.30 20.70	236.20 14.00	890.90 13.50	764.00 12.50	790.10 7.33	H: 15.00H N: *****	NU: 168	D: OS 182 *
273.10 76.70	AU 184 -----	163.20 100.00	273.10<= 76.70	361.90 32.40	594.00 14.80	777.00 12.80	486.30 11.90	237.00 10.60	H: 47.00S N: *****	NU: 128	D: \$\$\$\$
273.40 4.51	ZN 60 -----	511.01 100.00	670.20 25.85	61.50 10.26	273.40<= 4.51	334.40 3.76	364.60 1.36	572.40 1.06	H: 2.33H N: 1.95000	NU: 8	D: CU 60 *
273.76 13.00	CS 136 -----	818.48 100.00	1048.10 81.00	340.60 45.00	1235.41 20.00	66.90 14.00	176.75 13.00	273.76<= 13.00	H: 13.00D N: 1.00000	NU: 15	D: BA 136
274.00 57.25	DY 153 -----	80.80 100.00	82.50 100.00	100.00 88.54	255.00 66.67	274.00<= 57.25	148.00 38.54	245.00 30.21	H: 6.25H N: 0.09600	NU: 7	D: TB 153 *
274.10 23.00	HG 191 -----	252.60 100.00	420.30 33.00	578.70 31.00	274.10<= 23.00	241.40 21.00	536.10 14.00	371.00 11.00	H: 50.80H N: *****	NU: 179	D: AU 191*
274.30 3.40	OS 182 -----	509.90 100.00	180.20 68.00	55.50 18.00	263.20 13.50	130.80 6.50	274.30<= 3.40	241.40 1.90	H: 21.00H N: *****	NU: 133	D: RE 182 *
275.80 9.00	IR 189 -----	245.00 100.00	69.50 59.00	59.10 21.00	36.20 11.20	275.80<= 9.00	219.40 8.80	216.70 8.60	H: 13.30D N: *****	NU: 125	D: OS 189
276.00 100.00	BA 133H -----	276.00<= 100.00							H: 38.90H N: 0.17000	NU: 1	D: BA 133 *
276.10 1.96	KR 77 -----	511.01 100.00	129.70 52.91	146.50 24.94	312.10 2.15	276.10<= 1.96	106.00 0.82	734.60 0.22	H: 1.20H N: 1.58000	NU: 28	D: BR 77 *
276.40 11.65	BA 133 -----	356.03 100.00	81.00 57.53	302.84 29.81	383.84 14.33	276.40<= 11.65	79.65 4.58	53.21 3.54	H: 10.35A N: 0.62400	NU: 9	D: CS 133
277.00 85.13	EU 149 -----	327.50 100.00	277.00<= 85.13	254.50 15.90	528.50 13.59	350.00 8.72	558.40 1.59	535.90 1.18	H: 106.00D N: 0.03900	NU: 13	D: SV 149
277.35 6.90	TL 208 -----	2614.60 100.00	583.06 86.00	510.80 23.00	860.37 12.00	277.35<= 6.90	763.13 1.80	252.60 0.80	H: 3.05H N: 1.00000	NU: 16	D: PB 208
277.50 60.87	NP 239 -----	106.10 100.00	277.50<= 60.87	228.20 55.22	209.80 17.39	334.10 8.70	315.70 6.52	285.00 2.74	H: 2.35D N: 0.23000	NU: 9	D: PU 239 *
277.60 100.00	AM 239 -----	277.60<= 100.00	228.10 86.00	209.70 24.00	226.10 22.00	181.20 6.90	285.40 5.70	254.60 0.50	H: 12.10H N: *****	NU: 9	D: PU 239
277.62 18.63	AM 243 -----	285.47 100.00	74.67 86.84	106.14 36.58	103.75 29.21	99.54 19.08	277.62<= 18.68	228.20 15.00	H: 795.01E N: 0.76000	NU: 16	D: NP 239 *
277.62 67.31	CM 243 -----	103.75 100.00	277.62<= 67.31	99.54 64.90	228.20 50.96	117.10 36.54	209.76 15.87	120.60 12.50	H: 32.00A N: 0.20800	NU: 15	D: PU 239 *
278.80 4.06	CS 129 -----	372.00 100.00	411.70 73.20	549.00 10.80	318.40 7.85	278.80<= 4.06	588.50 1.86	93.50 1.40	H: 32.10H N: *****	NU: 13	D: XE 129
278.90 100.00	AU 197H -----	278.90<= 100.00	130.20 4.40	201.80 1.61	409.10 0.15				H: 7.86S N: 0.72800	NU: 4	D: AU 197
279.00 14.42	HG 197H -----	133.90 100.00	279.00<= 14.42	165.00 0.93	130.20 0.49	201.80 0.20	409.10 0.02		H: 24.00H N: 0.43000	NU: 6	D: HG 197 *
279.16 100.00	PB 203 -----	279.16<= 100.00	401.32 4.57	680.50 0.91					H: 52.10H N: 0.80500	NU: 3	D: TL 203
279.53 42.30	SE 75 -----	244.56 100.00	136.00 94.08	279.53<= 42.30	400.64 20.98	121.11 10.49	198.60 2.34	303.91 2.30	H: 120.40D N: 0.59100	NU: 14	D: AS 75
280.00 40.38	HO 157 -----	86.50 100.00	341.10 65.38	280.00<= 40.38	193.40 36.92	272.20 18.08	188.10 16.15	896.60 15.77	H: 14.00H N: 0.26000	NU: 98	D: DY 157 *
280.44 72.34	AG 105 -----	344.52 100.00	280.44<= 72.34	443.37 27.90	644.55 27.66	63.98 25.53	331.51 10.73	319.16 10.64	H: 40.00D N: 0.42300	NU: 34	D: PD 105
280.80 2.40	PT 186 -----	689.20 100.00	611.50 8.60	635.60 5.40	366.70 3.30	210.30 2.60	280.80<= 2.40	205.40 2.20	H: 2.00H N: *****	NU: 15	D: IR 186 *
281.00 0.08	J 123 -----	159.10 100.00	529.00 1.33	440.40 0.42	538.50 0.33	505.60 0.31	248.30 0.08	281.00<= 0.08	H: 13.30H N: 0.83000	NU: 14	D: TE 123
282.00 8.21	BR 77 -----	239.00 100.00	520.00 85.71	297.00 15.00	250.00 10.36	579.00 10.36	88.00 8.93	282.00<= 8.21	H: 57.00H N: 0.28000	NU: 32	D: SE 77
282.70 52.50	TL 198H -----	411.70 100.00	636.80 95.90	587.40 89.70	282.70<= 52.50	226.40 14.10	489.60 8.60	259.90 7.80	H: 1.87H N: *****	NU: 63	D: TL 198 *
282.90 39.30	HO 162H -----	185.00 100.00	1220.00 78.40	282.90<= 39.30	937.20 37.30	80.70 31.10	1319.60 7.26	1124.90 4.07	H: 68.00M N: *****	NU: 42	D: HO 162
283.00 10.83	CU 61 -----	511.01 100.00	283.00<= 10.83	656.01 8.00	67.60 3.58	1185.00 3.00	373.60 1.58	588.60 1.00	H: 3.35H N: 1.20000	NU: 25	D: NI 61

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
283.00 32.61	HO 162 -----	185.00 100.00	511.01 97.83	80.00 84.78	930.00 51.09	1220.00 46.74	283.00<= 32.61		H: 15.00H N: 0.09200	NU: 6	D: DY 162
284.60 22.00	TL 193 -----	324.20 100.00	1047.70 54.00	344.10 44.00	676.20 41.00	335.30 27.00	284.60<= 22.00	207.80 21.00	H: 21.60H N: *****	NU: 7	D: HG 193 *
284.90 62.60	PT 187 -----	106.40 100.00	201.40 81.50	110.00 65.20	284.90<= 62.60	186.80 59.30	709.20 59.00	304.80 49.10	H: 2.30H N: *****	NU: 47	D: IR 187 *
285.00 2.74	NP 239 -----	106.10 100.00	277.50 60.87	228.20 55.22	209.80 17.39	334.10 8.70	315.70 6.52	285.00<= 2.74	H: 2.35D N: 0.23000	NU: 9	D: PU 239 *
285.40 5.70	AM 239 -----	277.60 100.00	228.10 86.00	209.70 24.00	226.10 22.00	181.20 6.90	285.40<= 5.70	254.60 0.50	H: 12.10H N: *****	NU: 9	D: PU 239
285.47 100.00	AM 243 -----	285.47<= 100.00	74.67 86.84	106.14 36.58	103.75 29.21	99.54 19.08	277.62 18.68	228.20 15.00	H: 795.01E N: 0.76000	NU: 16	D: NP 239 *
286.50 60.00	BR 75 -----	511.01 100.00	286.50<= 60.00	141.20 4.53	427.80 3.00	431.80 2.67	377.40 2.67	292.90 1.80	H: 101.50H N: 1.50000	NU: 56	D: SE 75 *
288.00 13.04	PM 148M -----	550.20 100.00	629.90 95.65	725.70 34.78	915.40 21.74	1013.80 21.74	414.10 19.57	288.00<= 13.04	H: 41.80D N: 0.92000	NU: 13	D: SH 148
288.60 2.20	XE 122 -----	564.00 100.00	350.10 44.00	148.70 16.00	416.90 11.00	90.60 2.80	288.60<= 2.20	61.80 1.80	H: 20.10H N: *****	NU: 15	D: J 122 *
290.00 0.00	DY 159 -----	58.20 100.00	348.00 0.02	80.00 0.00	290.00<= 0.00				H: 144.00D N: 0.04000	NU: 4	D: TB 159
292.90 1.80	BR 75 -----	511.01 100.00	286.50 60.00	141.20 4.53	427.80 3.00	431.80 2.67	377.40 2.67	292.90<= 1.80	H: 101.50H N: 1.50000	NU: 56	D: SE 75 *
294.90 13.83	PD 103 -----	39.75 100.00	357.20 80.46	497.00 18.27	294.90<= 13.83	62.40 4.85	317.40 0.08	443.90 0.04	H: 18.40D N: 0.00079	NU: 8	D: RH 103
295.00 35.00	HF 171 -----	1072.00 100.00	662.00 76.00	123.00 50.00	469.00 42.00	347.00 40.00	295.00<= 35.00	137.00 23.50	H: 12.00H N: *****	NU: 14	D: LU 171 *
295.00 44.70	HF 173 -----	123.00 100.00	295.00<= 44.70	311.00 11.60	306.00 7.59	135.00 5.80			H: 26.60H N: *****	NU: 5	D: LU 173 *
295.22 41.86	RA 226 -----	609.40 100.00	351.99 81.40	295.22<= 41.86	1764.70 39.53	1120.40 32.56	241.92 17.21	1238.20 14.88	H: 160.01E N: 0.43000	NU: 62	D: RN 222 *
295.40 0.90	RH 101 -----	198.00 100.00	127.13 90.00	325.80 23.00	295.40<= 0.90	439.55 0.06			H: 3.00A N: *****	NU: 5	D: RU 101
295.44 37.04	IR 192 -----	316.50 100.00	468.06 64.14	295.44<= 37.04	308.44 35.34	604.40 11.30	612.44 7.20	588.57 5.60	H: 74.20D N: 0.76400	NU: 16	D: PT 192
295.80 13.10	HG 184 -----	236.70 100.00	156.40 67.30	295.80<= 13.10	259.50 8.12	262.90 5.54	159.50 5.20	422.00 4.00	H: 32.20S N: *****	NU: 14	D: \$\$\$\$
295.90 0.17	AG 110 -----	657.70 100.00	815.50 0.85	1125.90 0.33	295.90<= 0.17	1674.90 0.15	1784.40 0.13	1474.50 0.10	H: 24.6CS N: 0.04500	NU: 12	D: CD 110
295.94 38.50	AU 192 -----	316.49 100.00	295.94<= 38.50	612.44 7.48	308.43 5.97	1723.10 5.44	1423.00 5.15	582.58 4.65	H: 4.10H N: *****	NU: 99	D: PT 192
296.00 100.00	AU 190 -----	296.00<= 100.00	302.00 33.00	597.90 12.40	319.30 6.50	441.50 5.25	1441.20 4.50	1057.90 4.40	H: 39.00H N: *****	NU: 65	D: PT 190
296.12 66.70	PR 135 -----	511.01 100.00	296.12<= 66.70	82.64 33.30	213.45 31.80	538.20 19.70	697.50 10.50	613.80 4.35	H: 22.00H N: *****	NU: 43	D: CE 135 *
296.25 100.00	PD 101 -----	296.25<= 100.00	590.36 62.00	269.66 30.90	24.40 20.30	565.77 18.00	723.76 12.00	1289.03 12.00	H: 8.30H N: *****	NU: 48	D: RH 101P*
296.90 46.00	IR 186M -----	137.10 100.00	767.30 67.00	630.30 62.00	296.90<= 46.00	773.10 40.00	987.10 30.00	636.20 22.00	H: 1.70H N: *****	NU: 8	D: OS 186
296.90 100.00	IR 186 -----	296.90<= 100.00	434.60 46.10	773.10 13.10	636.20 7.70	767.30 7.19	584.40 6.73	933.20 6.73	H: 15.00H N: *****	NU: 82	D: OS 186
297.00 15.00	BR 77 -----	239.00 100.00	520.00 85.71	297.00<= 15.00	250.00 10.36	579.00 10.36	88.00 8.93	282.00 8.21	H: 57.00H N: 0.28000	NU: 32	D: SE 77
297.80 23.50	ER 163 -----	1113.50 100.00	436.10 58.20	439.90 56.30	297.80<= 23.50	875.80 14.10	339.80 6.81	614.30 6.81	H: 75.00H N: *****	NU: 24	D: HD 163 *
298.50 54.17	GD 149 -----	149.60 100.00	298.50<= 54.17	346.50 43.75	748.20 14.79	430.00 14.17	788.60 12.71	272.00 6.25	H: 9.40D N: 0.48000	NU: 25	D: EU 149 *
298.60 41.00	AU 186 -----	191.50 100.00	298.60<= 41.00	765.40 17.00	415.50 13.70	798.70 8.60	607.20 8.50	1216.20 6.00	H: 12.00H N: *****	NU: 61	D: PT 186 *
299.85 55.56	CE 135 -----	265.30 100.00	299.85<= 55.56	605.70 44.44	517.10 30.56	571.20 29.44	782.80 23.33	206.36 17.22	H: 17.00H N: 0.18000	NU: 43	D: LA 135 *
300.18 1.57	CU 67 -----	184.54 100.00	93.31 35.96	91.31 15.53	300.18<= 1.57	393.57 0.43	208.94 0.23		H: 61.90H N: 0.47000	NU: 6	D: ZN 67

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE	D: DAUGHTER	N: NORMAL FACTOR
										NU: NUMBER OF ENERGIES IN TABLE I		
300.20 88.61	GA 67 -----	184.50 100.00	300.20<= 88.61	393.40 27.43	91.30 13.80	208.96 8.44	494.40 0.84	887.90 0.84	H: 78.CCH N: 0.23700	NU: 7	D:ZN 67	
300.20 18.53	PA 233 -----	311.80 100.00	300.20<= 18.53	340.30 11.47	86.70 5.00	415.60 4.41	398.20 3.24	75.29 2.35	H: 27.40D N: 0.34000	NU:10	D:U 233	
300.70 20.50	XE 121 -----	252.70 100.00	132.80 86.50	445.20 61.50	310.50 43.00	95.70 35.50	175.80 33.50	300.70<= 20.50	H: 40.1CH N: *****	NU:98	D:J 121 *	
302.00 33.00	AU 190 -----	296.00 100.00	302.00<= 33.00	597.90 12.40	319.30 6.50	441.50 5.25	1441.20 4.50	1057.90 4.40	H: 39.00H N: *****	NU:65	D:PT 190	
302.60 81.70	PR 138M -----	788.90 100.00	1038.10 100.00	302.60<= 81.70	511.01 63.00	390.90 6.05	547.80 5.22	635.90 1.78	H: 2.10H N: *****	NU:51	D:CE 138	
302.80 100.00	RH 107 -----	302.80<= 100.00	392.50 13.28	312.20 7.27	348.20 3.44	321.80 3.43	670.10 3.37	367.30 2.90	H: 22.00H N: 0.65900	NU:31	D:PD 107	
302.84 29.81	BA 133 -----	356.03 100.00	81.00 57.53	302.84<= 29.81	383.84 14.33	276.40 11.65	79.65 4.58	53.21 3.54	H: 10.35A N: 0.62400	NU: 9	D:CS 133	
303.10 26.00	RB 79 -----	153.40 100.00	687.50 82.00	143.40 55.00	351.20 40.00	397.80 30.00	303.10<= 26.00	182.50 19.00	H: 22.10H N: *****	NU:18	D:KR 79 *	
303.91 2.30	SE 75 -----	264.56 100.00	136.00 94.08	279.53 42.30	400.64 20.98	121.11 10.49	198.60 2.34	303.91<= 2.30	H:120.40D N: 0.59100	NU:14	D:AS 75	
304.47 18.92	KR 85M -----	150.99 100.00	304.47<= 18.92						H: 4.40H N: 0.74000	NU: 2	D:RB 85	
304.80 49.10	PT 187 -----	106.40 100.00	201.40 81.50	110.00 65.20	284.90 62.60	186.80 59.30	709.20 59.00	304.80<= 49.10	H: 2.30H N: *****	NU:47	D:IR 187 *	
305.00 16.00	TL 190 -----	416.80 100.00	625.50 75.00	730.60 32.00	839.50 23.00	305.00<= 16.00			H: 3.40H N: *****	NU: 5	D:HG 190 *	
306.00 7.59	HF 173 -----	123.00 100.00	295.00 44.70	311.00 11.60	306.00<= 7.59	135.00 5.80			H: 26.6CH N: *****	NU: 5	D:LU 173 *	
306.60 14.67	KR 79 -----	511.01 100.00	261.40 73.33	397.50 53.33	606.00 53.33	306.60<= 14.67	217.20 12.00	389.10 9.33	H: 34.90H N: 0.15000	NU:38	D:BR 79	
306.76 100.00	RH 101M -----	306.76<= 100.00	545.20 5.60	127.13 1.20	179.50 0.90	237.60 0.50	233.20 0.40	183.90 0.30	H: 4.40D N: *****	NU: 8	D:RU 101	
306.90 37.00	PR 140 -----	1596.50 100.00	306.90<= 37.00	751.80 6.00	924.24 5.20	2521.70 2.78	1420.30 1.80	2348.30 1.63	H: 3.40H N: *****	NU:17	D:CE 140	
307.43 16.50	GD 151 -----	153.57 100.00	243.22 89.90	174.65 48.30	21.54 46.20	307.43<= 16.50	239.00 2.31	353.51 2.04	H:120.00D N: *****	NU:19	D:EU 151	
307.50 31.43	YB 169 -----	197.80 100.00	177.00 62.86	130.70 31.43	307.50<= 31.43	93.61 7.14	110.00 5.14	118.60 5.14	H: 32.00D N: 0.35000	NU: 9	D:TW 169	
308.43 5.97	AU 192 -----	316.49 100.00	295.94 38.50	612.44 7.48	308.43<= 5.97	1723.10 5.44	1423.00 5.15	582.58 4.65	H: 4.10H N: *****	NU:99	D:PT 192	
308.44 35.34	IR 192 -----	316.50 100.00	468.06 64.14	295.44 37.04	308.44<= 35.34	604.40 11.30	612.44 7.20	588.57 5.60	H: 74.2CD N: 0.76400	NU:16	D:PT 192	
309.00 19.27	IR 181 -----	108.00 100.00	227.70 59.38	319.00 52.08	232.60 35.94	185.30 31.77	93.00 25.52	309.00<= 19.27	H: 5.00H N: *****	NU:10	D:OS 181 *	
309.60 42.00	HD 159 -----	121.00 100.00	132.00 67.00	309.60<= 42.00	252.90 41.00	177.60 18.00	100.60 11.00	217.70 9.90	H: 33.00H N: *****	NU:58	D:DY 159 *	
310.50 43.00	XE 121 -----	252.70 100.00	132.80 86.50	445.20 61.50	310.50<= 43.00	95.70 35.50	175.80 33.50	300.70 20.50	H: 40.10H N: *****	NU:98	D:J 121 *	
310.82 2.14	TA 174 -----	206.62 100.00	511.01 78.27	1205.87 7.09	1359.40 3.24	1227.10 2.94	1358.10 2.17	310.82<= 2.14	H: 1.2CH N: 0.61200	NU:97	D:HF 174	
311.00 11.60	HF 173 -----	123.00 100.00	295.00 44.70	311.00<= 11.60	306.00 7.59	135.00 5.80			H: 26.60H N: *****	NU: 5	D:LU 173 *	
311.30 100.00	IN 119M -----	311.30<= 100.00	1065.10 9.09	1249.60 6.82	1225.60 5.46	1163.70 4.63	897.60 1.36	920.60 1.18	H: 18.00H N: *****	NU: 8	D:SN 119	
311.80 100.00	PA 233 -----	311.80<= 100.00	300.20 18.53	340.30 11.47	86.70 5.00	415.60 4.41	398.20 3.24	75.29 2.35	H: 27.40D N: 0.34000	NU:10	D:U 233	
312.00 23.93	IR 188 -----	155.00 100.00	634.80 85.89	478.00 47.85	2214.60 38.34	312.00<= 23.93	1210.30 20.28	829.50 19.85	H: 41.50H N: 0.32600	NU:75	D:OS 188	
312.10 2.15	KR 77 -----	511.01 100.00	129.70 52.91	146.50 24.94	312.10<= 2.15	276.10 1.96	106.00 0.82	734.60 0.22	H: 1.2CH N: 1.58000	NU:28	D:BR 77 *	
312.20 7.27	RH 107 -----	302.80 100.00	392.50 13.28	312.20<= 7.27	348.20 3.44	321.80 3.43	670.10 3.37	367.30 2.90	H: 22.00H N: 0.65900	NU:31	D:PD 107	
313.30 4.70	PR 195M -----	383.80 100.00	708.30 30.00	394.30 26.00	313.30<= 4.70	466.00 3.10	99.00 0.50		H: 17.00H N: *****	NU: 6	D:TL 195 *	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES	D: DAUGHTER IN TABLE 1	N: NORMAL FACTOR
314.40 2.29	TC 96 -----	778.30 100.00	850.00 97.40	812.70 82.20	1126.90 14.40	314.40<= 2.29	316.40 1.68	1091.40 0.95	H: 4.30D N: 1.00000	NU: 22	D: MO 96	
314.76 4.11	ER 161 -----	826.55 100.00	211.15 44.88	592.65 5.40	76.23 4.86	314.76<= 4.11	94.13 2.00	864.90 1.98	H: 3.10H N: 0.61500	NU: 96	D: MO 161 *	
314.93 65.57	TM 164H -----	208.08 100.00	314.93<= 65.57	240.49 50.93	547.00 30.27	897.91 29.07	91.39 28.47	1364.60 27.87	H: 5.10M N: 0.18300	NU: 31	D: ER 164	
315.60 48.57	PR 133 -----	511.01 100.00	134.30 57.14	315.60<= 48.57	74.00 42.29	465.00 28.57	330.80 24.57	241.90 22.86	H: 6.50H N: *****	NU: 52	D: CE 133 *	
315.70 190.00	KR 76 -----	315.70<= 100.00	270.20 54.47	45.50 50.00	406.50 30.73	451.90 25.14	252.00 16.20	355.30 12.60	H: 14.80H N: 0.35800	NU: 52	D: BR 76 *	
315.70 6.52	NP 239 -----	106.10 100.00	277.50 60.87	228.20 55.22	209.80 17.39	334.10 8.70	315.70<= 6.52	285.00 2.74	H: 2.35D N: 0.23000	NU: 9	D: PU 239 *	
316.40 1.68	TC 96 -----	778.30 100.00	850.00 97.40	812.70 82.20	1126.90 14.40	314.40 2.29	316.40<= 1.68	1091.40 0.95	H: 4.30D N: 1.00000	NU: 22	D: MO 96	
316.49 100.00	AU 192 -----	316.49<= 100.00	295.94 38.50	612.44 7.48	308.43 5.97	1723.10 5.44	1423.00 5.15	582.58 4.65	H: 4.10H N: *****	NU: 99	D: PT 192	
316.50 100.00	IR 192 -----	316.50<= 100.00	468.06 64.14	295.44 37.04	308.44 35.34	604.40 11.30	612.44 7.20	588.57 5.60	H: 74.20D N: 0.76400	NU: 16	D: PT 192	
317.40 0.08	PD 103 -----	39.75 100.00	357.20 80.46	497.00 18.27	294.90 13.83	62.40 4.85	317.40<= 0.08	443.90 0.04	H: 18.40D N: 0.00079	NU: 8	D: RH 103	
317.50 37.00	BI 198 -----	1062.90 100.00	562.00 66.00	197.40 62.00	317.50<= 37.00				H: 11.80H N: *****	NU: 4	D: PB 198	
317.60 8.10	RE 184H -----	920.90 100.00	216.40 11.30	317.60<= 8.10	536.50 4.90	384.00 4.05	1174.10 1.10	1110.20 0.65	H: 165.00D N: *****	NU: 7	D: RE 184 *	
318.40 7.85	CS 129 -----	372.00 100.00	411.70 73.20	549.00 10.80	318.40<= 7.85	278.80 4.06	588.50 1.86	93.50 1.40	H: 32.10H N: *****	NU: 13	D: XE 129	
319.00 52.08	IR 181 -----	108.00 100.00	227.70 59.38	319.00<= 52.08	232.60 35.94	185.30 31.77	93.00 25.52	309.00 19.27	H: 5.00H N: *****	NU: 10	D: CS 181 *	
319.16 10.64	AG 105 -----	344.52 100.00	280.44 72.34	443.37 27.90	644.55 27.66	63.98 25.53	331.51 10.73	319.16<= 10.64	H: 40.00D N: 0.42300	NU: 34	D: PD 105	
319.30 6.50	AU 190 -----	296.00 100.00	302.00 33.00	597.90 12.40	319.30<= 6.50	441.50 5.25	1441.20 4.50	1057.90 4.40	H: 39.00H N: *****	NU: 65	D: PT 190	
320.40 2.60	SE 73H -----	511.01 100.00	253.80 66.70	84.50 5.60	393.30 4.90	401.60 3.80	577.50 2.90	320.40<= 2.60	H: 43.00H N: *****	NU: 32	D: AS 73 *	
320.90 20.00	IN 107 -----	205.00 100.00	505.40 26.50	320.90<= 20.00	1268.40 9.00	365.60 7.40	728.10 5.80	809.00 5.00	H: 32.00H N: *****	NU: 98	D: CD 107 *	
321.00 2.50	IN 121H -----	60.10 100.00	1041.20 5.50	1102.20 4.50	321.00<= 2.50	1120.40 2.50	908.90 1.63	2803.80 0.55	H: 3.76H N: *****	NU: 11	D: SN 121 *	
321.10 19.00	AU 189H -----	166.70 100.00	321.10<= 19.00						H: 4.70H N: *****	NU: 2	D: PT 189 *	
321.80 3.43	RH 107 -----	302.80 100.00	392.50 13.28	312.20 7.27	348.20 3.44	321.80<= 3.43	670.10 3.37	367.30 2.90	H: 22.00H N: 0.65900	NU: 31	D: PD 107	
322.31 16.20	RH 99 -----	528.52 100.00	353.00 88.00	89.50 81.14	511.01 34.29	322.31<= 16.20	618.08 10.57	175.45 5.06	H: 16.00D N: 0.35000	NU: 37	D: RU 99	
323.70 0.00	TM 167 -----	207.80 100.00	531.50 1.52	346.50 0.02	323.70<= 0.00	250.20 0.00	266.50 0.00		H: 9.25D N: 0.98500	NU: 6	D: ER 167	
324.20 100.00	TL 193 -----	324.20<= 100.00	1047.70 54.00	344.10 44.00	676.20 41.00	335.30 27.00	284.60 22.00	207.80 21.00	H: 21.60H N: *****	NU: 7	D: HG 193 *	
324.40 11.76	RU 97 -----	215.20 100.00	324.40<= 11.76	570.00 0.88	560.60 0.42	108.90 0.16	461.30 0.13	785.50 0.09	H: 2.88D N: 0.91000	NU: 12	D: TC 97 *	
325.80 23.00	RH 101 -----	159.00 100.00	127.13 90.00	325.80<= 23.00	295.40 0.90	439.55 0.06			H: 3.00A N: *****	NU: 5	D: RU 101	
326.05 17.20	YB 163 -----	860.26 100.00	63.58 69.60	123.21 19.90	326.05<= 17.20	1746.70 17.20	130.86 17.00	1908.10 15.30	H: 10.96H N: *****	NU: 58	D: TP 163 *	
326.10 64.00	TL 191 -----	215.70 100.00	326.10<= 64.00	264.70 46.00	336.50 34.00	378.20 27.00	563.40 17.00		H: 5.20H N: *****	NU: 6	D: HG 191 *	
326.80 3.30	AS 71 -----	174.90 100.00	1095.50 4.50	499.90 3.70	326.80<= 3.30	526.60 0.87	1139.30 0.83	391.40 0.67	H: 64.00H N: *****	NU: 72	D: GE 71 *	
327.00 20.00	ND 139H -----	114.00 100.00	511.01 100.00	984.00 24.00	740.00 21.00	327.00<= 20.00	708.00 14.00		H: 5.50H N: *****	NU: 6	D: ND 139 *	
327.50 100.00	EU 149 -----	327.50<= 100.00	277.00 85.13	254.50 15.90	528.50 13.59	350.00 8.72	558.40 1.59	535.90 1.18	H: 106.00D N: 0.03900	NU: 13	D: SM 149	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
328.50 96.00	IR 194M -----	482.50 100.00	328.50<= 96.00	600.50 64.00	687.80 61.00	338.80 57.00	390.80 36.00	562.40 36.00	H: 171.00D N: *****	NU: 9	D: PT 194	
330.20 17.50	XE 123 -----	148.90 100.00	178.10 30.50	330.20<= 17.50	511.01 8.09	1093.40 5.70	899.60 5.00	1113.10 3.20	H: 2.10H N: *****	NU: 99	D: J 123 *	
330.80 24.57	PR 133 -----	511.01 100.00	134.30 57.14	315.60 48.57	74.00 42.29	465.00 28.57	330.80<= 24.57	241.90 22.86	H: 6.50H N: *****	NU: 52	D: CE 133 *	
331.51 10.73	AG 105 -----	344.52 100.00	280.44 72.34	443.37 27.90	644.55 27.66	63.98 25.53	331.51<= 10.73	319.16 10.64	H: 40.00D N: 0.42300	NU: 34	D: PD 105	
332.90 26.60	AU 196 -----	355.70 100.00	332.90<= 26.60	426.00 7.66	1091.30 0.17	758.90 0.05	521.30 0.04	393.40 0.01	H: 6.18D N: 0.94000	NU: 16	D: PT 196	
333.30 22.73	CF 249 -----	388.10 100.00	333.30<= 22.73	109.30 5.61	252.70 3.94	104.60 3.64	123.40 2.12	266.60 1.09	H: 360.00A N: 0.66000	NU: 13	D: CM 245 *	
334.00 100.00	PM 150 -----	334.00<= 100.00	1165.00 14.79	1331.00 14.79	716.00 12.96	831.00 10.00	402.00 6.48	877.00 6.06	H: 2.68H N: 0.71000	NU: 8	D: SM 150	
334.10 8.70	NP 239 -----	106.10 100.00	277.50 60.87	228.20 55.22	209.80 17.39	334.10<= 8.70	315.70 6.52	285.00 2.74	H: 2.35D N: 0.23000	NU: 9	D: PU 239 *	
334.40 3.76	ZN 60 -----	511.01 100.00	670.20 25.85	61.50 10.26	273.40 4.51	334.40<= 3.76	364.60 1.36	572.40 1.06	H: 2.33H N: 1.95000	NU: 8	D: CU 60 *	
335.00 70.00	TL 189 -----	216.30 100.00	335.00<= 70.00	229.00 40.00					H: 1.40M N: *****	NU: 3	D: HG 189 *	
335.30 27.00	TL 193 -----	324.20 100.00	1047.70 54.00	344.10 44.00	676.20 41.00	335.30<= 27.00	284.60 22.00	207.80 21.00	H: 21.60M N: *****	NU: 7	D: HG 193 *	
336.40 100.00	RU 95 -----	336.40<= 100.00	511.01 42.86	1096.90 31.43	626.84 25.71	1178.80 7.57	806.40 6.00	1182.00 5.71	H: 1.65H N: 0.70000	NU: 38	D: TC 95 *	
336.50 34.00	TL 191 -----	215.70 100.00	326.10 64.00	264.70 46.00	336.50<= 34.00	378.20 27.00	563.40 17.00		H: 5.20H N: *****	NU: 6	D: HG 191 *	
338.05 19.00	GE 66 -----	511.01 100.00	381.85 65.00	108.85 27.00	272.97 25.00	338.05<= 19.00	470.62 18.00	65.20 16.00	H: 2.4CH N: *****	NU: 89	D: GA 66 *	
338.40 42.40	AC 228 -----	911.10 100.00	968.90 59.90	338.40<= 42.40	964.60 19.90	794.80 16.30	462.80 15.90	270.00 13.00	H: 6.13H N: *****	NU: 95	D: TH 228 *	
338.80 57.00	IP 194M -----	482.50 100.00	328.50 96.00	600.50 64.00	687.80 61.00	338.80<= 57.00	390.80 36.00	562.40 36.00	H: 171.00D N: *****	NU: 9	D: PT 194	
339.70 0.00	CO 57 -----	122.06 100.00	136.47 13.41	14.41 11.18	692.10 0.18	570.10 0.02	706.60 0.01	339.70<= 0.00	H: 271.60D N: 0.85000	NU: 10	D: FE 57	
339.80 6.81	ER 163 -----	1113.50 100.00	436.10 58.20	439.90 56.30	297.80 23.50	875.80 14.10	339.80<= 6.81	614.30 6.81	H: 75.00H N: *****	NU: 24	D: HO 163 *	
339.90 23.50	AU 188 -----	265.60 100.00	339.90<= 23.50	605.60 14.60	405.00 8.20	670.40 7.35	532.90 5.49	1083.90 5.45	H: 8.00H N: *****	NU: 96	D: PT 188 *	
340.30 11.47	PA 233 -----	311.80 100.00	300.20 18.53	340.30<= 11.47	86.70 5.00	415.60 4.41	398.20 3.24	75.29 2.35	H: 27.40D N: 0.34000	NU: 10	D: U 233	
340.60 100.00	RH 99M -----	340.60<= 100.00	511.01 34.38	1260.70 24.22	618.00 20.78	1209.10 20.00	937.40 4.34	528.40 2.95	H: 4.70H N: 0.64000	NU: 29	D: RU 99	
340.60 45.00	CS 136 -----	818.48 100.00	1048.10 81.00	340.60<= 45.00	1235.41 20.00	66.90 14.00	176.75 13.00	273.76 13.00	H: 13.00D N: 1.00000	NU: 15	D: BA 136	
341.10 65.38	HO 157 -----	66.50 100.00	341.10<= 65.38	280.00 40.38	193.40 36.92	272.20 18.08	188.10 16.15	896.60 15.77	H: 14.00H N: 0.26000	NU: 98	D: DY 157 *	
341.90 100.00	AG 111 -----	341.90<= 100.00	245.60 15.00	96.90 2.38	620.60 0.43	866.70 0.14	524.40 0.00		H: 7.45D N: 0.08000	NU: 6	D: CD 111	
343.10 25.00	TB 150M -----	639.00 100.00	650.40 70.00	438.40 42.00	827.50 41.00	343.10<= 25.00	496.30 23.50	566.50 22.00	H: 5.8CM N: *****	NU: 18	D: GD 150	
343.60 100.00	HF 175 -----	343.60<= 100.00	89.60 3.60	432.80 1.80	229.50 0.87	113.80 0.35			H: 70.00D N: *****	NU: 5	D: LU 175	
344.10 44.00	TL 193 -----	324.20 100.00	1047.70 54.00	344.10<= 44.00	676.20 41.00	335.30 27.00	284.60 22.00	207.80 21.00	H: 21.60M N: *****	NU: 7	D: HG 193 *	
344.30 100.00	TB 152 -----	344.30<= 100.00	511.01 20.00	586.30 15.00	271.10 14.00	778.90 8.90	411.10 6.30	974.10 4.80	H: 17.50H N: *****	NU: 94	D: GD 152	
344.52 100.00	AG 105 -----	344.52<= 100.00	280.44 72.34	443.37 27.90	644.55 27.66	63.98 25.53	331.51 10.73	319.16 10.64	H: 40.00D N: 0.42300	NU: 34	D: PD 105	
345.20 3.31	PO 207 -----	92.30 100.00	742.60 48.40	911.80 29.90	405.70 16.80	1148.30 10.20	687.60 3.37	345.20<= 3.31	H: 5.70H N: *****	NU: 39	D: BI 207 *	
346.50 43.75	GD 149 -----	149.60 100.00	298.50 54.17	346.50<= 43.75	748.20 14.79	430.00 14.17	786.60 12.71	272.00 6.25	H: 9.40D N: 0.48000	NU: 25	D: EU 149 *	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE N: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
346.50 0.02	TM 167 -----	207.80 100.00	531.50 1.52	346.50<= 0.02	323.70 0.00	250.20 0.00	266.50 0.00			H: 9.25D N: 0.98500	NU: 6	D: ER 167
346.60 8.56	TM 165 -----	242.70 100.00	806.80 33.00	459.90 10.60	218.60 9.60	346.60<= 8.56	356.30 7.80	389.20 7.70		H: 30.06H N: *****	NU: 49	D: ER 165 *
347.00 18.60	HF 170 -----	123.00 100.00	162.00 89.50	620.00 56.40	572.00 45.50	100.00 25.00	347.00<= 18.60	207.00 18.20		H: 12.00H N: *****	NU: 9	D: LU 170 *
347.00 40.00	HF 171 -----	1072.00 100.00	662.00 76.00	123.00 50.00	469.00 42.00	347.00<= 40.00	295.00 35.00	137.00 23.50		H: 12.00H N: *****	NU: 14	D: LU 171 *
347.10 3.20	CD 105 -----	510.80 100.00	2300.80 46.00	961.10 3.80	1301.80 3.80	606.60 3.80	347.10<= 3.20	1692.90 3.10		H: 55.00H N: *****	NU: 89	D: AG 105 *
348.00 0.02	DY 159 -----	58.20 100.00	348.00<= 0.02	80.00 0.00	290.00 0.00					H: 144.00D N: 0.04000	NU: 4	D: TB 159
348.10 55.90	AU 189 -----	713.40 100.00	813.10 58.30	348.10<= 55.90	447.80 54.40	166.30 41.30	528.70 41.10	441.70 34.40		H: 29.70H N: *****	NU: 24	D: PT 189 *
348.20 3.44	RH 107 -----	302.80 100.00	392.50 13.28	312.20 7.27	348.20<= 3.44	321.80 3.43	670.10 3.37	367.30 2.90		H: 22.00H N: 0.65900	NU: 31	D: PD 107
350.00 8.72	EU 149 -----	327.50 100.00	277.00 85.13	254.50 15.90	528.50 13.59	350.00<= 8.72	558.40 1.59	535.90 1.18		H: 106.00D N: 0.03900	NU: 13	D: SM 149
350.10 44.00	XE 122 -----	564.00 100.00	350.10<= 44.00	148.70 16.00	416.90 11.00	90.60 2.80	288.60 2.20	61.80 1.80		H: 20.10H N: *****	NU: 15	D: J 122 *
351.01 22.30	PT 191 -----	539.00 100.00	410.00 51.80	360.00 39.40	82.50 24.00	172.03 22.50	351.01<= 22.30	96.51 20.10		H: 3.00D N: *****	NU: 33	D: IR 191
351.20 40.00	RB 79 -----	153.40 100.00	687.50 82.00	143.40 55.00	351.20<= 40.00	397.80 30.00	303.10 26.00	182.50 19.00		H: 22.10H N: *****	NU: 18	D: KR 79 *
351.09 81.40	RA 226 -----	609.40 100.00	351.99<= 81.40	295.22 41.86	1764.70 39.53	1120.40 32.56	241.92 17.21	1238.20 14.88		H: 160.01E N: 0.43000	NU: 62	D: RN 222 *
353.00 10.89	HN 57 -----	122.06 100.00	692.00 28.48	136.47 11.52	353.00<= 10.89	1613.00 3.47	569.00 2.10	367.00 1.90		H: 1.70H N: 0.09550	NU: 13	D: FE 57
353.00 88.00	RH 99 -----	528.52 100.00	353.00<= 88.00	89.50 81.14	511.01 34.29	322.31 16.20	618.08 10.57	175.45 5.06		H: 16.00D N: 0.35000	NU: 37	D: RU 99
353.51 2.04	GD 151 -----	153.57 100.00	243.22 89.90	174.65 48.30	21.54 46.20	307.43 16.50	239.00 2.31	353.51<= 2.04		H: 120.00D N: *****	NU: 19	D: EU 151
355.30 12.60	KR 76 -----	315.70 100.00	270.20 54.47	45.50 50.00	406.50 30.73	451.90 25.14	252.00 16.20	355.30<= 12.60		H: 14.80H N: 0.35800	NU: 52	D: BR 76 *
355.70 100.00	AU 196 -----	355.70<= 100.00	332.90 26.60	426.00 7.66	1091.30 0.17	758.90 0.05	521.30 0.04	393.40 0.01		H: 6.18D N: 0.94000	NU: 16	D: PT 196
356.03 100.00	BA 133 -----	356.03<= 100.00	81.00 57.53	302.84 29.81	383.84 14.33	276.40 11.65	79.65 4.58	53.21 3.54		H: 10.35A N: 0.62400	NU: 9	D: CS 133
356.30 7.80	TM 165 -----	242.70 100.00	806.80 33.00	459.90 10.60	218.60 9.60	346.60 8.56	356.30<= 7.80	389.20 7.70		H: 30.06H N: *****	NU: 49	D: ER 165 *
356.39 19.00	TB 156 -----	534.10 100.00	199.20 61.00	1222.10 46.00	88.93 29.00	1067.00 21.00	1065.00 21.00	356.39<= 19.00		H: 5.10D N: *****	NU: 44	D: GD 156
357.20 80.46	PD 103 -----	39.75 100.00	357.20<= 80.46	497.00 18.27	294.90 13.83	62.40 4.85	317.40 0.08	443.90 0.04		H: 18.40D N: 0.00079	NU: 8	D: RH 103
357.70 8.10	AM 238 -----	962.70 100.00	561.10 39.00	605.20 27.00	1577.50 11.00	357.70<= 8.10	941.40 7.30	1266.30 6.20		H: 1.90H N: *****	NU: 23	D: PU 238 *
360.00 39.40	PT 191 -----	539.00 100.00	410.00 51.80	360.00<= 39.40	82.50 24.00	172.03 22.50	351.01 22.30	96.51 20.10		H: 3.00D N: *****	NU: 33	D: IR 191
360.70 21.00	RE 181 -----	365.50 100.00	360.70<= 21.00	639.00 11.00	953.60 6.30	1000.20 5.90	805.20 5.50	661.80 5.20		H: 19.00H N: *****	NU: 99	D: W 181 *
360.90 78.13	SE 73 -----	511.01 100.00	360.90<= 78.13	67.00 57.03	864.90 0.43	1110.80 0.15	901.10 0.12	764.40 0.11		H: 7.10H N: 1.28000	NU: 20	D: AS 73 *
361.00 32.40	AU 184 -----	163.20 100.00	273.10 76.70	361.90<= 32.40	594.00 14.80	777.00 12.80	486.30 11.90	237.00 10.60		H: 47.00S N: *****	NU: 28	D: \$\$\$\$
362.79 37.50	YB 164 -----	675.20 100.00	445.31 93.80	390.51 78.10	601.87 40.60	97.20 40.60	362.79<= 37.50	401.77 31.30		H: 75.80H N: *****	NU: 8	D: TP 164 *
364.60 1.36	ZN 60 -----	511.01 100.00	670.20 25.85	61.50 10.26	273.40 4.51	334.40 3.76	364.60<= 1.36	572.40 1.06		H: 2.33H N: 1.95000	NU: 8	D: CU 60 *
365.50 100.00	RE 181 -----	365.50<= 100.00	360.70 21.00	639.00 11.00	953.60 6.30	1000.20 5.90	805.20 5.50	661.80 5.20		H: 19.00H N: *****	NU: 99	D: W 181 *
365.60 7.40	IN 107 -----	205.00 100.00	505.40 26.50	320.90 20.00	1268.40 9.00	365.60<= 7.40	728.10 5.80	809.00 5.00		H: 32.00H N: *****	NU: 98	D: CD 107 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
366.70 3.30	PT 186 -----	699.20 100.00	611.50 8.60	635.60 5.40	366.70<= 3.30	210.30 2.60	280.80 2.40	205.40 2.20	H: 2.00H N: *****	NU:15	D:IR 186 *	
367.00 1.90	MN 57 -----	122.06 100.00	692.00 28.48	136.47 11.52	353.00 10.89	1613.00 3.47	569.00 2.10	367.00<= 1.90	H: 1.70H N: 0.09550	NU:13	D:FE 57	
367.30 2.90	RH 107 -----	302.80 100.00	392.50 13.28	312.20 7.27	348.20 3.44	321.80 3.43	670.10 3.37	367.30<= 2.90	H: 22.00H N: 0.65900	NU:31	D:PD 107	
370.00 27.10	GD 147 -----	229.25 100.00	396.02 53.10	929.10 33.10	370.00<= 27.10	766.00 18.20	893.60 13.80	1069.50 12.30	H: 35.00H N: *****	NU:96	D:EU 147 *	
371.00 11.00	HG 191 -----	252.60 100.00	420.30 33.00	578.70 31.00	274.10 23.00	241.40 21.00	536.10 14.00	371.00<= 11.00	H: 50.80H N: *****	NU:79	D:AU 191*	
372.00 100.00	CS 129 -----	372.00<= 100.00	411.70 73.20	549.00 10.80	318.40 7.85	278.80 4.06	588.50 1.86	93.50 1.40	H: 32.10H N: *****	NU:13	D:XE 129	
372.50 79.37	LU 172 -----	900.60 100.00	372.50<= 79.37	809.90 71.03	1093.40 69.60	528.22 59.84	410.31 53.65	697.20 36.90	H: 6.70D N: *****	NU:78	D:YB 172	
372.90 100.00	K 43 -----	372.90<= 100.00	617.30 87.00	397.00 14.00	593.30 13.00	220.00 5.80	1021.80 2.70	989.90 1.00	H: 22.20H N: *****	NU:12	D:CA 43	
373.60 1.58	CU 61 -----	511.01 100.00	283.00 10.83	656.01 8.00	67.60 3.58	1185.00 3.00	373.60<= 1.58	588.60 1.00	H: 3.35H N: 1.20000	NU:25	D:NI 61	
374.00 26.99	HG 199M -----	158.30 100.00	374.00<= 26.99						H: 42.60M N: 0.51500	NU: 2	D:HG 199	
374.40 80.40	BI 204 -----	899.10 100.00	374.40<= 80.40	984.00 57.20	911.90 26.20	670.50 10.50	439.80 3.58	791.10 2.95	H: 11.20H N: *****	NU:99	D:PB 204	
375.30 8.93	PB 197M -----	385.60 100.00	222.40 17.90	773.00 13.80	895.00 11.80	695.00 10.20	375.30<= 8.93	957.00 7.32	H: 42.00M N: *****	NU:17	D:TL 197 *	
377.20 16.33	FE 53 -----	511.01 100.00	377.20<= 16.33						H: 8.50H N: 1.96000	NU: 2	D:MN 53	
377.40 2.67	BR 75 -----	511.01 100.00	286.50 60.00	141.20 4.53	427.80 3.00	431.80 2.67	377.40<= 2.67	292.90 1.80	H:101.50H N: 1.50000	NU:56	D:SE 75 *	
378.00 50.00	HG 187 -----	233.00 100.00	378.00<= 50.00	271.00 37.00	240.00 33.80	104.00 26.30	220.00 23.20	203.00 21.10	H: 2.20H N: *****	NU:10	D:AU 187 *	
378.20 27.00	TL 191 -----	215.70 100.00	326.10 64.00	264.70 46.00	336.50 34.00	378.20<= 27.00	563.40 17.00		H: 5.20M N: *****	NU: 6	D:HG 191 *	
378.60 6.30	TC 100 -----	539.60 100.00	590.80 81.71	689.40 7.20	378.60<= 6.30	1512.20 6.27	822.50 0.97	1362.10 0.86	H: 17.00S N: 0.06670	NU:20	D:RU 100	
378.60 9.50	LU 169 -----	960.30 100.00	191.30 95.00	1450.40 40.00	889.50 20.00	87.27 13.00	378.60<= 9.50	1184.50 9.10	H: 34.06H N: *****	NU:95	D:Y 169 *	
381.10 100.00	Y 87H -----	381.10<= 100.00							H: 13.20H N: 0.77000	NU: 1	D:Y 87 *	
381.40 35.04	SR 83 -----	511.01 100.00	762.90 61.31	381.40<= 35.04	418.40 10.80	423.10 4.09	1562.40 3.80	778.20 2.92	H: 32.40H N: 0.68500	NU:73	D:RB 83 *	
381.80 3.20	Y 94 -----	918.20 100.00	1139.10 20.00	550.10 8.40	1668.60 6.20	750.50 4.60	381.80<= 3.20	1915.61 2.80	H: 19.40M N: 0.50000	NU:15	D:ZR 94	
381.80 100.00	OS 183 -----	381.80<= 100.00	114.43 27.00	167.90 10.00	851.00 5.00	236.30 2.90	145.43 1.90	1162.70 1.50	H: 14.00H N: *****	NU:37	D:RE 183 *	
381.85 65.00	GE 66 -----	511.01 100.00	381.85<= 65.00	108.85 27.00	272.97 25.00	338.05 19.00	470.62 18.00	65.20 16.00	H: 2.40H N: *****	NU:89	D:GA 66 *	
383.00 8.00	PR 134 -----	409.00 100.00	639.00 36.00	557.00 22.00	966.00 14.00	383.00<= 8.00			H: 17.00M N: *****	NU: 5	D:CE 134 *	
383.50 5.53	ER 172 -----	610.00 100.00	407.30 97.69	68.05 7.92	445.90 7.06	127.68 7.06	383.50<= 5.53	59.67 5.09	H: 49.00H N: 0.43200	NU:14	D:TM 172 *	
383.80 100.00	PB 195M -----	383.80<= 100.00	708.30 30.00	394.30 26.00	313.30 4.70	466.00 3.10	99.00 0.50		H: 17.00M N: *****	NU: 6	D:TL 195 *	
383.84 14.33	BA 133 -----	356.03 100.00	81.00 57.53	302.84 29.81	383.84<= 14.33	276.40 11.65	79.65 4.58	53.21 3.54	H: 10.35A N: 0.62400	NU: 9	D:CS 133	
384.00 4.05	RE 184M -----	920.90 100.00	216.40 11.30	317.60 8.10	536.50 4.90	384.00<= 4.05	1174.10 1.10	1110.20 0.65	H:165.00D N: *****	NU: 7	D:RE 184 *	
384.10 13.51	GE 64 -----	427.00 100.00	667.10 45.95	128.20 29.73	774.50 18.92	384.10<= 13.51	85.70 5.41	42.80 5.41	H: 63.00S N: 0.37000	NU: 7	D:GA 64	
385.60 100.00	PB 197M -----	385.60<= 100.00	222.40 77.90	773.00 13.80	895.00 11.80	695.00 10.20	375.30 8.93	957.00 7.32	H: 42.00M N: *****	NU:17	D:TL 197 *	
386.00 5.80	PD 99 -----	136.40 100.00	263.50 28.03	673.00 19.00	399.60 6.60	386.00<= 5.80	785.00 5.00	427.50 4.30	H: 22.00H N: *****	NU:12	D:RH 99 *	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER NU: NORMAL FACTOR	N: NORMAL FACTOR
387.80 18.99	PA 232 -----	969.30 100.00	894.30 48.08	150.10 26.92	453.70 21.88	387.80<= 18.99	819.20 18.03	866.40 18.03	H: 1.31D N: 0.41600	NU: 32	D: U 232 *	
387.93 4.88	HG 195M -----	56.70 100.00	261.75 98.40	560.24 16.30	387.93<= 4.88	200.35 2.06	1241.00 1.48	525.80 1.15	H: 40.00H N: *****	NU: 37	D: HG 195 *	
388.10 100.00	CF 249 -----	388.10<= 100.00	333.30 22.73	109.30 5.61	252.70 3.94	104.60 3.64	123.40 2.12	266.60 1.09	H: 360.00A N: 0.66000	NU: 13	D: CM 245 *	
388.40 100.00	SR 87M -----	388.40<= 100.00							H: 2.83H N: 0.78900	NU: 1	D: SR 87	
388.40 82.09	Y 87 -----	484.80 100.00	388.40<= 82.09	511.01 2.00					H: 80.30H N: 0.91000	NU: 3	D: SR 87	
388.50 100.00	J 126 -----	388.50<= 100.00	666.20 88.24	753.80 11.47	491.90 6.18	511.01 2.56	880.30 1.88	1420.20 0.85	H: 12.80D N: 0.34000	NU: 9	D: TE 126	
389.10 9.33	KR 79 -----	511.01 100.00	261.40 73.33	397.50 53.33	606.00 53.33	306.60 14.67	217.20 12.00	389.10<= 9.33	H: 34.90H N: 0.15000	NU: 38	D: BR 79	
389.20 7.70	TM 165 -----	242.70 100.00	806.80 33.00	459.90 10.60	218.60 9.60	346.60 8.56	356.30 7.80	389.20<= 7.70	H: 30.06H N: *****	NU: 49	D: ER 165 *	
389.94 6.74	PB 202M -----	960.70 100.00	422.12 93.50	786.99 54.31	657.49 35.36	490.47 10.00	459.72 9.40	389.94<= 6.74	H: 3.62H N: 0.93900	NU: 17	D: PB 202 *	
390.51 78.10	YB 164 -----	675.20 100.00	445.31 93.80	390.51<= 78.10	601.87 40.60	97.20 40.60	362.79 37.50	401.77 31.30	H: 75.80H N: *****	NU: 8	D: TM 164 *	
390.60 38.50	IR 184 -----	244.30 100.00	120.20 45.00	390.60<= 38.50	961.10 19.09	841.00 12.00	1105.00 9.50	943.30 9.40	H: 3.20H N: *****	NU: 66	D: OS 184	
390.80 36.00	IR 194M -----	482.50 100.00	328.50 96.00	600.50 64.00	687.80 61.00	338.80 57.00	390.80<= 36.00	562.40 36.00	H: 171.00D N: *****	NU: 9	D: PT 194	
390.90 6.05	PR 138M -----	788.90 100.00	1038.10 100.00	302.60 81.70	511.01 63.00	390.90<= 6.05	547.80 5.22	635.90 1.78	H: 2.10H N: *****	NU: 51	D: CE 138	
391.40 0.67	AS 71 -----	174.90 100.00	1095.50 4.50	499.90 3.70	326.80 3.30	526.60 0.87	1139.30 0.83	391.40<= 0.67	H: 64.00H N: *****	NU: 72	D: GE 71 *	
391.69 100.00	SH 113 -----	391.69<= 100.00	255.04 3.23						H: 115.10D N: 0.64100	NU: 2	D: IN 113 *	
391.72 100.00	IN 113M -----	391.72<= 100.00							H: 99.48H N: 0.64400	NU: 1	D: IN 113	
392.50 13.28	RH 107 -----	302.60 100.00	392.50<= 13.28	312.20 7.27	348.20 3.44	321.80 3.43	670.10 3.37	367.30 2.90	H: 22.00H N: 0.65900	NU: 31	D: PD 107	
393.30 4.90	SE 73M -----	511.01 100.00	253.80 66.70	84.50 5.60	393.30<= 4.90	401.60 3.80	577.50 2.90	320.40 2.60	H: 43.00H N: *****	NU: 32	D: AS 73 *	
393.40 27.43	GA 67 -----	184.50 100.00	300.20 88.61	393.40<= 27.43	91.30 13.80	208.96 8.44	494.40 0.84	887.90 0.84	H: 78.00H N: 0.23700	NU: 7	D: ZN 67	
393.40 0.01	AU 196 -----	355.70 100.00	332.90 26.60	426.00 7.66	1091.30 0.17	758.90 0.05	521.30 0.04	393.40<= 0.01	H: 6.18D N: 0.94000	NU: 16	D: PT 196	
393.50 13.00	RB 77 -----	66.60 100.00	178.90 38.00	393.50<= 13.00	150.10 7.50	254.30 3.10	244.40 2.50		H: 3.90H N: *****	NU: 6	D: KR 77 *	
393.57 0.43	CU 67 -----	184.54 100.00	93.31 35.96	91.31 15.53	300.18 1.57	393.57<= 0.43	208.94 0.23		H: 61.90H N: 0.47000	NU: 6	D: ZN 67	
393.84 9.24	ZN 62 -----	40.27 100.00	548.29 62.22	243.41 10.31	393.84<= 9.24	247.02 8.27	260.41 5.96	636.90 3.31	H: 9.75H N: 0.22500	NU: 9	D: NI 62	
394.30 26.00	PB 195M -----	383.80 100.00	708.30 30.00	394.30<= 26.00	313.30 4.70	466.00 3.10	99.00 0.50		H: 17.00H N: *****	NU: 6	D: TL 195 *	
394.60 16.00	PT 184 -----	154.90 100.00	182.90 94.00	548.40 77.00	731.20 43.00	216.50 17.00	92.60 16.00	394.60<= 16.00	H: 17.30H N: *****	NU: 32	D: IR 184 *	
396.02 53.10	GD 147 -----	229.25 100.00	396.02<= 53.10	929.10 33.10	370.00 27.10	766.00 18.20	893.60 13.80	1069.50 12.30	H: 35.00H N: *****	NU: 96	D: EU 147 *	
397.00 14.00	K 43 -----	372.90 100.00	617.30 87.00	397.00<= 14.00	593.30 13.00	220.00 5.80	1021.80 2.70	989.90 1.00	H: 22.20H N: *****	NU: 12	D: CA 43	
397.50 53.33	KR 79 -----	511.01 100.00	261.40 73.33	397.50<= 53.33	606.00 53.33	306.60 14.67	217.20 12.00	389.10 9.33	H: 34.90H N: 0.15000	NU: 38	D: BR 79	
397.80 30.00	RB 79 -----	153.40 100.00	687.50 82.00	143.40 55.00	351.20 40.00	397.80<= 30.00	303.10 26.00	182.50 19.00	H: 22.10H N: *****	NU: 18	D: KR 79 *	
397.90 0.03	AL 29 -----	1273.50 100.00	2425.70 6.04	2027.80 3.74	1152.40 0.90	754.50 0.24	397.90<= 0.03	1795.70 0.02	H: 6.60H N: 0.91000	NU: 8	D: SI 29	
398.00 14.14	PA 230 -----	951.98 100.00	918.52 55.36	898.69 38.62	443.80 38.20	508.20 24.89	398.00<= 14.14	518.55 14.06	H: 17.50D N: 0.04660	NU: 43	D: U 230 *	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
398.20 3.24	PA 233 -----	311.80 100.00	300.20 18.53	340.30 11.47	86.70 5.00	415.60 4.41	398.20<= 3.24	75.29 2.35		H: 27.40D N: 0.34000	NU: 10	D: U 233
399.60 6.60	PD 99 -----	136.40 100.00	263.50 28.00	673.00 19.00	399.60<= 6.60	386.00 5.80	785.00 5.00	427.50 4.30		H: 22.00H N: *****	NU: 12	D: RH 99 *
399.80 32.63	HG 28 -----	30.64 100.00	1342.00 72.63	399.80<= 32.63	941.50 29.47					H: 21.10H N: 0.95000	NU: 4	D: AL 28 *
400.00 1.52	OS 183M -----	1102.10 100.00	1108.00 45.60	1034.80 12.70	878.40 3.17	484.70 3.17	954.80 2.15	400.00<= 1.52		H: 10.00H N: *****	NU: 39	D: RE 183 *
400.64 20.98	SE 75 -----	264.56 100.00	136.00 94.08	279.53 42.30	400.64<= 20.98	121.11 10.49	198.60 2.34	303.91 2.30		H: 120.40D N: 0.59100	NU: 14	D: AS 75
400.90 82.70	IR 187 -----	912.82 100.00	400.90<= 82.70	610.86 78.20	977.40 60.90	177.60 54.60	987.20 54.30	187.40 35.60		H: 11.00H N: *****	NU: 88	D: CS 187
401.32 4.57	PB 203 -----	279.16 100.00	401.32<= 4.57	680.50 0.91						H: 52.1CH N: 0.80900	NU: 3	D: TL 203
401.60 3.80	SE 73M -----	511.01 100.00	253.80 66.70	84.50 5.60	393.30 4.90	401.60<= 3.80	577.50 2.90	320.40 2.60		H: 43.00H N: *****	NU: 32	D: AS 73 *
401.77 31.30	YB 164 -----	675.20 100.00	445.31 93.80	390.51 78.10	601.87 40.60	97.20 40.60	362.79 37.50	401.77<= 31.30		H: 75.80H N: *****	NU: 8	D: TM 164 *
402.00 6.48	PH 150 -----	334.00 100.00	1165.00 14.79	1331.00 14.79	716.00 12.96	831.00 10.00	402.00<= 6.48	877.00 6.06		H: 2.68H N: 0.71000	NU: 8	D: SM 150
404.90 100.00	PB 211 -----	404.90<= 100.00	832.00 99.30	427.00 45.00	766.40 18.50	704.50 12.60	1109.50 3.83	65.50 2.00		H: 36.10H N: *****	NU: 30	D: BI 211 *
405.00 8.20	AU 188 -----	265.60 100.00	339.90 23.50	605.60 14.60	405.00<= 8.20	670.40 7.35	532.90 5.49	1083.90 5.45		H: 8.00H N: *****	NU: 96	D: PT 188 *
405.70 16.80	PD 207 -----	992.30 100.00	742.60 48.40	911.80 29.90	405.70<= 16.80	1148.30 10.20	687.60 3.37	345.20 3.31		H: 5.7CH N: *****	NU: 39	D: BI 207 *
406.50 30.73	KR 76 -----	315.70 100.00	270.20 54.47	45.50 50.00	406.50<= 30.73	451.90 25.14	252.00 16.20	355.30 12.60		H: 14.80H N: 0.35800	NU: 52	D: BR 76 *
407.30 97.69	ER 172 -----	610.00 100.00	407.30<= 97.69	68.05 7.92	445.90 7.06	127.68 7.06	383.50 5.53	59.67 5.09		H: 49.00H N: 0.43200	NU: 14	D: TM 172 *
409.00 100.00	PR 134 -----	409.00<= 100.00	639.00 36.00	557.00 22.00	966.00 14.00	383.00 8.00				H: 17.00H N: *****	NU: 5	D: CE 134 *
409.10 0.15	AU 197M -----	278.90 100.00	130.20 4.40	201.80 1.61	409.10<= 0.15					H: 7.865 N: 0.72800	NU: 4	D: AU 197
409.10 0.02	HG 197M -----	133.90 100.00	279.00 14.42	165.00 0.93	130.20 0.49	201.80 0.20	409.10<= 0.02			H: 24.0CH N: 0.43000	NU: 6	D: HG 197 *
410.00 51.80	PT 191 -----	539.00 100.00	410.00<= 51.80	360.00 39.40	82.50 24.00	172.03 22.50	351.01 22.30	96.51 20.10		H: 3.00D N: *****	NU: 33	D: IR 191
410.31 53.65	LU 172 -----	900.60 100.00	372.50 79.37	809.90 71.03	1093.40 69.60	528.22 59.84	410.31<= 53.65	697.20 36.90		H: 6.70D N: *****	NU: 78	D: YB 172
411.10 6.30	TB 152 -----	344.30 100.00	511.01 20.00	586.30 15.00	271.10 14.00	778.90 8.90	411.10<= 6.30	974.10 4.80		H: 17.50H N: *****	NU: 94	D: GD 152
411.70 73.20	CS 129 -----	372.00 100.00	411.70<= 73.20	549.00 10.80	318.40 7.85	278.80 4.06	588.50 1.86	93.50 1.40		H: 32.10H N: *****	NU: 13	D: XE 129
411.70 100.00	TL 198M -----	411.70<= 100.00	636.80 95.90	587.40 89.70	282.70 52.50	226.40 14.10	489.60 8.60	259.90 7.80		H: 1.87H N: *****	NU: 63	D: TL 198 *
411.70 100.00	TL 198 -----	411.70<= 100.00	636.80 13.40	675.90 12.80	2040.90 11.00	1200.50 9.60	1420.30 9.10	1311.90 4.90		H: 5.30H N: *****	NU: 65	D: HG 198
411.70 100.00	AU 198 -----	411.79<= 100.00	675.87 1.06	1087.66 0.19						H: 64.71H N: 0.95500	NU: 3	D: HG 198
413.00 53.00	HG 182 -----	129.00 100.00	217.00 75.00	413.00<= 53.00						H: 11.30S N: *****	NU: 3	D: PT 178 *
413.90 18.79	EU 148 -----	550.20 100.00	629.90 71.62	611.26 19.49	413.90<= 18.79	553.20 17.27	725.70 12.32	571.90 9.19		H: 54.00D N: 0.99000	NU: 86	D: SM 148
414.10 19.57	PM 148M -----	550.20 100.00	629.90 95.65	725.70 34.78	915.40 21.74	1013.80 21.74	414.10<= 19.57	288.00 13.04		H: 41.80D N: 0.92000	NU: 13	D: SM 148
415.50 13.79	AU 186 -----	191.50 100.00	298.60 41.00	765.40 17.00	415.50<= 13.70	798.70 8.60	607.20 8.50	1216.20 6.00		H: 12.00H N: *****	NU: 61	D: PT 186 *
415.60 4.41	PA 233 -----	311.80 100.00	300.20 18.53	340.30 11.47	86.70 5.00	415.60<= 4.41	398.20 3.24	75.29 2.35		H: 27.40D N: 0.34000	NU: 10	D: U 233
416.30 8.70	SI 33 -----	1847.70 100.00	1431.40 15.00	2539.00 9.60	416.30<= 8.70	1107.60 0.87	691.30 0.43			H: 6.3CS N: *****	NU: 6	D: P 33 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE I
416.80 100.00	TL 190 -----	416.80<= 100.00	625.50 75.00	730.60 32.00	839.50 23.00	305.00 16.00				H: 3.40H N: *****	NU: 5	D: HG 190 *
416.90 11.00	XE 122 -----	564.00 100.00	350.10 44.00	148.70 16.00	416.90<= 11.00	90.60 2.80	288.60 2.20	61.80 1.80		H: 20.10H N: *****	NU: 15	D: J 122 *
418.00 31.86	J 130 -----	536.08 100.00	668.46 97.49	739.45 82.06	418.00<= 31.86	1157.25 12.83	586.10 1.54	686.06 0.92		H: 12.30H N: 0.99800	NU: 24	D: XE 130
418.40 10.80	SR 83 -----	511.01 100.00	762.90 61.31	381.40 35.04	418.40<= 10.80	423.10 4.09	1562.40 3.80	778.20 2.92		H: 32.40H N: 0.68500	NU: 73	D: RB 83 *
418.50 9.89	RH 102H -----	475.06 100.00	631.29 58.95	697.49 46.32	766.84 35.79	1046.59 35.79	418.50<= 9.89	628.05 8.74		H: 2.90A N: 0.95000	NU: 15	D: RU 102
419.60 53.00	PB 200 -----	1026.30 100.00	462.00 63.00	419.60<= 53.00	245.00 22.00	493.60 7.60	545.70 4.60	810.20 4.20		H: 21.50H N: *****	NU: 10	D: TL 200 *
420.20 25.00	BA 129 -----	182.30 100.00	214.30 87.00	1459.30 56.00	220.80 53.00	129.10 51.00	202.30 39.00	420.20<= 25.00		H: 2.17H N: *****	NU: 98	D: CS 129 *
420.30 33.00	HG 191 -----	252.60 100.00	420.30<= 33.00	578.70 31.00	274.10 23.00	241.40 21.00	536.10 14.00	371.00 11.00		H: 50.80H N: *****	NU: 79	D: AU 191*
422.00 4.00	HG 184 -----	236.70 100.00	156.40 67.30	295.80 13.10	259.50 8.12	262.90 5.54	159.50 5.20	422.00<= 4.00		H: 32.20S N: *****	NU: 14	D: \$\$\$\$\$
422.12 93.50	PB 202H -----	960.70 100.00	422.12<= 93.50	786.99 54.31	657.49 35.36	490.47 10.00	459.72 9.40	389.94 6.74		H: 3.62H N: 0.93900	NU: 17	D: PB 202 *
422.60 7.14	CD 107 -----	511.01 100.00	828.90 37.50	796.00 14.46	422.60<= 7.14	898.00 2.68	1130.00 2.14	596.80 1.79		H: 6.50H N: 0.00560	NU: 16	D: AG 107H*
423.10 4.00	SR 83 -----	511.01 100.00	762.90 61.31	381.40 35.04	418.40 10.80	423.10<= 4.09	1562.40 3.80	778.20 2.92		H: 32.40H N: 0.68500	NU: 73	D: RB 83 *
425.00 0.01	TI 45 -----	511.01 100.00	719.60 0.09	1408.10 0.05	1660.90 0.02	425.00<= 0.01	1236.50 0.01	974.00 0.00		H: 3.08H N: 1.68000	NU: 13	D: SC 45
426.00 7.66	AU 196 -----	355.70 100.00	332.90 26.60	426.00<= 7.66	1091.30 0.17	758.90 0.05	521.30 0.04	393.40 0.01		H: 6.18D N: 0.94000	NU: 16	D: PT 196
426.20 5.30	IN 109 -----	203.30 100.00	623.80 7.10	1148.80 7.00	426.20<= 5.30	650.10 3.80	1622.50 3.00	614.00 2.80		H: 4.30H N: *****	NU: 55	D: CD 109 *
427.00 100.00	GE 64 -----	427.00<= 100.00	667.10 45.95	129.20 29.73	774.50 18.92	384.10 13.51	85.70 5.41	42.80 5.41		H: 63.00S N: 0.37000	NU: 7	D: GA 64
427.00 45.00	PB 211 -----	404.90 100.00	832.00 99.30	427.00<= 45.00	766.40 18.50	704.50 12.60	1109.50 3.83	65.50 2.00		H: 36.10H N: *****	NU: 30	D: BI 211 *
427.50 4.30	PD 99 -----	136.40 100.00	263.50 28.00	673.00 19.00	399.60 6.60	386.00 5.80	785.00 5.00	427.50<= 4.30		H: 22.00H N: *****	NU: 12	D: RH 99 *
427.80 3.00	BR 75 -----	511.01 100.00	286.50 60.00	141.20 4.53	427.80<= 3.00	431.80 2.67	377.40 2.67	292.90 1.80		H: 101.50H N: 1.50000	NU: 56	D: SE 75 *
428.20 100.00	TL 194 -----	428.20<= 100.00	639.30 68.20	749.00 45.50	735.00 13.20	255.40 5.46	645.20 5.46	510.90 5.00		H: 33.00H N: *****	NU: 34	D: HG 194
429.00 17.00	AG 106H -----	511.01 100.00	450.60 31.00	717.20 30.00	1043.90 30.00	747.50 22.00	615.10 22.00	429.00<= 17.00		H: 8.50D N: *****	NU: 34	D: PD 106
430.00 14.17	GD 149 -----	149.60 100.00	298.50 54.17	346.50 43.75	748.20 14.79	430.00<= 14.17	788.60 12.71	272.00 6.25		H: 9.40D N: 0.48000	NU: 25	D: EU 149 *
431.80 2.67	BR 75 -----	511.01 100.00	286.50 60.00	141.20 4.53	427.80 3.00	431.80<= 2.67	377.40 2.67	292.90 1.80		H: 101.50H N: 1.50000	NU: 56	D: SE 75 *
431.80 54.40	SH 141H -----	196.60 100.00	431.80<= 54.40	777.40 27.30	1786.40 14.70	1490.30 12.50	911.30 12.40	1145.10 11.70		H: 22.10M N: *****	NU: 47	D: PH 141 *
432.00 60.00	AU 187 -----	185.00 100.00	190.00 78.10	251.00 66.00	432.00<= 60.00	247.00 45.00	236.00 41.50	181.00 40.00		H: 8.00H N: *****	NU: 7	D: PT 187
432.80 1.80	HF 175 -----	343.60 100.00	89.60 3.60	432.80<= 1.80	229.50 0.87	113.80 0.35				H: 70.00D N: *****	NU: 5	D: LU 175
434.60 46.10	IR 186 -----	256.90 100.00	434.60<= 46.10	773.10 13.10	636.20 7.70	767.30 7.19	584.40 6.73	933.20 6.73		H: 15.00H N: *****	NU: 82	D: OS 186
436.10 58.20	ER 163 -----	1113.50 100.00	436.10<= 58.20	439.90 56.30	297.80 23.50	875.80 14.10	339.80 6.81	614.30 6.81		H: 75.00H N: *****	NU: 24	D: HO 163 *
438.40 42.00	TB 150H -----	638.00 100.00	650.40 70.00	438.40<= 42.00	827.50 41.00	343.10 25.00	496.30 23.50	566.50 22.00		H: 5.80H N: *****	NU: 18	D: GD 150
438.70 100.00	ZN 69H -----	438.70<= 100.00	574.30 0.03							H: 13.80H N: 0.99900	NU: 2	D: ZN 69 *
439.04 19.00	AU 193 -----	186.17 100.00	255.57 67.00	698.00 63.00	268.22 39.00	173.52 29.00	439.04<= 19.00	110.28 15.00		H: 17.50H N: *****	NU: 59	D: PT 193

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								HALF LIFE NUMBER OF ENERGIES IN TABLE I	D:DAUGHTER	N:NORMAL FACTOR
439.40 100.00	TL 202 -----	439.40<= 100.00	520.30 1.09	959.70 0.11						H: 12.20D N: 0.91900	NU: 3	D:HG 202
439.55 0.06	RH 101 -----	158.00 100.00	127.13 90.00	325.80 23.00	295.40 0.90	439.55<= 0.06				H: 3.00A N: *****	NU: 5	D:RU 101
439.80 3.58	BI 204 -----	899.10 100.00	374.40 80.40	984.00 57.20	911.90 26.20	670.50 10.50	439.80<= 3.58	791.10 2.95		H: 11.20H N: *****	NU: 99	D:PB 204
439.90 56.30	ER 163 -----	1113.50 100.00	436.10 58.20	439.90<= 56.30	297.80 23.50	875.80 14.10	339.80 6.81	614.30 6.81		H: 75.00H N: *****	NU: 24	D:HO 163 *
440.00 4.50	HG 23 -----	511.01 100.00	440.00<= 4.50							H: 12.00S N: 2.00000	NU: 2	D:NA 23
440.40 0.42	J 123 -----	159.10 100.00	529.00 1.33	440.40<= 0.42	538.50 0.33	505.60 0.31	248.30 0.08	281.00 0.08		H: 13.30H N: 0.83000	NU: 14	D:TE 123
441.50 5.25	AU 190 -----	296.00 100.00	302.00 33.00	597.90 12.40	319.30 6.50	441.50<= 5.25	1441.20 4.50	1057.90 4.40		H: 39.00H N: *****	NU: 65	D:PT 190
441.70 34.40	AU 189 -----	713.40 100.00	813.10 58.30	348.10 55.90	447.80 54.40	166.30 41.30	528.70 41.10	441.70<= 34.40		H: 29.70H N: *****	NU: 24	D:PT 189 *
442.00 21.95	Y 86 -----	1076.00 100.00	1153.00 36.59	627.70 35.37	1920.00 30.49	778.50 25.61	1854.50 21.95	442.00<= 21.95		H: 14.74H N: 0.82000	NU: 78	D:SR 86
443.37 27.90	AG 105 -----	344.52 100.00	280.44 72.34	443.37<= 27.90	644.55 27.66	63.98 25.53	331.51 10.73	319.16 10.64		H: 40.00D N: 0.42300	NU: 34	D:PD 105
443.80 38.20	PA 230 -----	951.98 100.00	918.52 55.36	898.69 38.63	443.80<= 38.20	508.20 24.89	398.00 14.14	518.55 14.06		H: 17.50D N: 0.04660	NU: 43	D:U 230 *
443.90 0.04	PD 103 -----	39.75 100.00	357.20 80.46	497.00 18.27	294.90 13.83	62.40 4.85	317.40 0.08	443.90<= 0.04		H: 18.40D N: 0.00079	NU: 8	D:RH 103
444.20 37.00	SR 79 -----	188.90 100.00	166.40 73.00	115.70 63.00	559.90 63.00	444.20<= 37.00	611.20 26.00	255.70 8.00		H: 8.10H N: *****	NU: 7	D:RB 79 *
445.20 61.50	XE 121 -----	252.70 100.00	132.80 86.50	445.20<= 61.50	310.50 43.00	95.70 35.50	175.80 33.50	300.70 20.50		H: 40.10H N: *****	NU: 98	D:J 121 *
445.31 93.80	YB 164 -----	675.20 100.00	445.31<= 93.80	390.51 78.10	601.87 40.60	97.20 40.60	362.79 37.50	401.77 31.30		H: 75.80H N: *****	NU: 8	D:TM 164 *
445.40 7.75	HO 90 -----	257.34 100.00	122.37 82.55	511.01 63.21	203.10 8.17	445.40<= 7.75	162.93 7.66	941.50 7.10		H: 5.70H N: 0.79100	NU: 23	D:NB 90 *
445.50 15.80	RH 100 -----	539.40 100.00	2376.00 40.00	1552.50 28.00	822.20 27.00	1362.40 20.00	1106.30 18.00	445.50<= 15.80		H: 20.00H N: *****	NU: 31	D:RU 100
445.90 7.06	ER 172 -----	610.00 100.00	407.30 97.69	68.05 7.92	445.90<= 7.06	127.68 7.06	383.50 5.53	59.67 5.09		H: 49.00H N: 0.43200	NU: 14	D:TM 172 *
447.40 47.02	TM 168 -----	198.20 100.00	815.90 95.97	447.40<= 47.02	184.20 33.01	741.30 24.18	720.30 23.42	821.10 22.46		H: 93.10D N: 0.52100	NU: 31	D:ER 168
447.80 54.40	AU 189 -----	713.40 100.00	813.10 58.30	348.10 55.90	447.80<= 54.40	166.30 41.30	528.70 41.10	441.70 34.40		H: 29.70H N: *****	NU: 24	D:PT 189 *
448.50 16.43	Y 92 -----	934.50 100.00	1405.40 34.29	561.10 17.14	448.50<= 16.43	844.30 9.29	912.80 4.50	492.60 3.50		H: 3.50H N: 0.14000	NU: 19	D:ZR 92
449.00 2.50	TC 94 -----	916.20 100.00	849.70 93.00	870.90 93.00	702.60 93.00	511.01 20.60	449.00<= 2.50	531.60 1.10		H: 4.90H N: *****	NU: 11	D:PD 94
450.00 0.13	ZN 63 -----	511.01 100.00	669.70 47.74	962.00 3.74	1411.90 0.41	450.00<= 0.13	1391.60 0.08	1123.70 0.07		H: 37.85H N: 1.86000	NU: 47	D:CU 63 *
450.60 31.00	AG 106H -----	511.01 100.00	450.60<= 31.00	717.20 30.00	1043.90 30.00	747.50 22.00	615.10 22.00	429.00 17.00		H: 8.50D N: *****	NU: 34	D:PD 106
450.80 27.91	RH 106H -----	511.70 100.00	1046.70 36.05	716.60 33.72	450.80<= 27.91	616.10 23.60	748.50 22.09	1529.40 20.93		H: 2.20H N: 0.86000	NU: 38	D:PD 106
451.90 25.14	KR 76 -----	315.70 100.00	270.20 54.47	45.50 50.00	406.50 30.73	451.90<= 25.14	252.00 16.20	355.30 12.60		H: 14.80H N: 0.35800	NU: 52	D:BR 76 *
452.80 5.35	BI 212 -----	727.15 100.00	1620.54 23.24	785.40 16.86	39.86 16.54	1078.62 8.16	893.41 5.57	452.80<= 5.35		H: 60.60H N: 0.18500	NU: 19	D:PC 212 *
453.70 21.88	PA 232 -----	969.30 100.00	894.30 48.08	150.10 26.92	453.70<= 21.88	387.80 18.99	819.20 18.03	866.40 18.03		H: 1.31D N: 0.41600	NU: 32	D:U 232 *
455.60 100.00	RB 78 -----	455.60<= 100.00	103.10 66.00	663.80 30.00	726.00 10.00	1141.70 9.00				H: 6.00H N: *****	NU: 5	D:KR 78
459.72 9.40	PB 202H -----	960.70 100.00	422.12 93.50	786.99 54.31	657.49 35.36	490.47 10.00	459.72<= 9.40	389.94 6.74		H: 3.62H N: 0.93900	NU: 17	D:PB 202 *
459.90 10.60	TM 165 -----	242.70 100.00	806.80 33.00	459.90<= 10.60	218.60 9.60	346.60 8.56	356.30 7.80	389.20 7.70		H: 30.06H N: *****	NU: 49	D:ER 165 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN TABLE I	N: NORMAL FACTOR
460.10 26.80	NB 96 -----	778.20 100.00	568.70 56.00	1091.40 51.00	460.10<= 26.80	849.80 21.00	1200.50 20.50	810.40 9.00	H: 23.50H N: *****	NU: 20	D: MD 96
461.00 9.00	IN 110H -----	937.50 100.00	706.80 46.00	641.60 38.00	997.50 15.00	581.60 10.00	584.20 10.00	461.00<= 8.00	H: 4.90H N: *****	NU: 42	D: CD 110
461.00 7.35	PR 136 -----	511.01 100.00	552.20 63.33	540.00 44.09	1092.30 15.76	461.00<= 7.35	1000.70 3.79	1602.70 3.18	H: 13.10H N: 0.66000	NU: 68	D: CE 136
461.30 0.13	RU 97 -----	215.20 100.00	324.40 11.76	570.00 0.88	560.60 0.42	108.90 0.16	461.30<= 0.13	785.50 0.09	H: 2.88D N: 0.91000	NU: 12	D: TC 97 *
462.00 63.00	PB 200 -----	1026.30 100.00	462.00<= 63.00	419.60 53.00	245.00 22.00	493.60 7.60	545.70 4.60	810.20 4.20	H: 21.50H N: *****	NU: 10	D: TL 200 *
462.80 15.90	AC 228 -----	911.10 100.00	568.90 59.90	338.40 42.40	964.60 19.90	794.80 16.30	462.80<= 15.90	270.00 13.00	H: 6.13H N: *****	NU: 95	D: TH 228 *
463.70 49.23	RB 84H -----	248.00 100.00	215.40 56.92	463.70<= 49.23					H: 21.00H N: 0.65000	NU: 3	D: RB 84 *
464.00 100.00	LA 132 -----	464.00<= 100.00	567.00 20.54	193.00 14.86	1909.00 12.57	663.00 11.76	1031.00 11.49	540.00 8.78	H: 4.50H N: 0.74000	NU: 99	D: BA 132
464.50 1.92	CS 132 -----	667.50 100.00	464.50<= 1.92	629.80 1.04	505.80 0.82	1135.60 0.52	511.01 0.37	566.90 0.25	H: 6.47D N: 0.99000	NU: 14	D: XE 132
465.00 28.57	PR 133 -----	511.01 100.00	134.30 57.14	315.60 48.57	74.00 42.29	465.00<= 28.57	330.80 24.57	241.90 22.86	H: 6.50H N: *****	NU: 52	D: CE 133 *
465.00 82.35	TL 209 -----	1566.00 100.00	465.00<= 82.35	117.00 82.35					H: 2.20H N: 0.85000	NU: 3	D: PB 209 *
466.00 3.10	PB 195H -----	383.80 100.00	708.30 30.00	394.30 26.00	313.30 4.70	466.00<= 3.10	99.00 0.50		H: 17.00H N: *****	NU: 6	D: TL 195 *
468.06 64.14	IR 192 -----	316.50 100.00	468.06<= 64.14	295.44 37.04	308.44 35.34	604.40 11.30	612.44 7.20	588.57 5.60	H: 74.20D N: 0.76400	NU: 16	D: PT 192
468.58 6.30	RH 102 -----	475.06 100.00	511.01 54.35	628.05 9.78	468.58<= 6.30	1103.16 6.30	556.60 4.35	680.66 1.26	H: 206.00D N: 0.46000	NU: 25	D: RU 102
469.00 42.00	HF 171 -----	1072.00 100.00	662.00 76.00	123.00 50.00	469.00<= 42.00	347.00 40.00	295.00 35.00	137.00 23.50	H: 12.00H N: *****	NU: 14	D: LU 171 *
470.00 1.75	TE 121 -----	572.90 100.00	507.50 22.50	470.00<= 1.75	66.00 0.50				H: 17.00D N: 0.80000	NU: 4	D: SB 121
470.62 18.00	GE 66 -----	511.01 100.00	361.85 65.00	108.85 27.00	272.97 25.00	338.05 19.00	470.62<= 18.00	65.20 16.00	H: 2.40H N: *****	NU: 89	D: GA 66 *
475.06 100.00	RH 102H -----	475.06<= 100.00	631.29 58.95	697.49 46.32	766.84 35.79	1046.59 35.79	418.50 9.89	628.05 8.74	H: 2.90A N: 0.95000	NU: 15	D: RU 102
475.06 100.00	RH 102 -----	475.06<= 100.00	511.01 54.35	628.05 9.78	468.58 6.30	1103.16 6.30	556.60 4.35	680.66 1.26	H: 206.00D N: 0.46000	NU: 25	D: RU 102
475.20 8.08	ZN 61 -----	511.01 100.00	475.20<= 8.08	1660.50 3.74	970.00 1.21	1185.40 0.81	690.40 0.81	1997.10 0.61	H: 86.00S N: 1.98000	NU: 47	D: CU 61 *
475.70 43.00	PM 144 -----	618.10 100.00	696.40 99.00	475.70<= 43.00					H: 1.00A N: 1.00000	NU: 3	D: ND 144
477.59 100.00	BE 7 -----	477.59<= 100.00							H: 53.00D N: *****	NU: 1	D: LI 7
478.00 47.85	IR 188 -----	155.00 100.00	634.80 85.89	478.00<= 47.85	2214.60 38.34	312.00 23.93	1210.30 20.28	829.50 19.85	H: 41.50H N: 0.32600	NU: 75	D: OS 188
479.30 95.66	Y 90H -----	202.40 100.00	479.30<= 95.66						H: 3.10H N: 0.96700	NU: 2	D: Y 90 *
480.70 17.30	TC 96H -----	778.30 100.00	1200.30 55.80	849.80 18.50	480.70<= 17.30	719.70 14.20	967.30 6.60	1498.30 6.31	H: 51.50H N: *****	NU: 15	D: TC 96 *
482.50 100.00	IR 194H -----	482.50<= 100.00	328.50 96.00	600.50 64.00	687.80 61.00	338.80 57.00	390.80 36.00	562.40 36.00	H: 171.00D N: *****	NU: 9	D: PT 194
484.70 3.17	OS 183H -----	1102.10 100.00	1108.00 45.60	1034.80 12.70	878.40 3.17	484.70<= 3.17	954.80 2.15	400.00 1.52	H: 10.00H N: *****	NU: 39	D: RE 183 *
484.80 100.00	Y 87 -----	484.80<= 100.00	388.40 82.09	511.01 2.00					H: 80.30H N: 0.91000	NU: 3	D: SR 87
486.30 11.90	AU 194 -----	163.20 100.00	273.10 76.70	361.90 32.40	594.00 14.80	777.00 12.80	486.30<= 11.90	237.00 10.60	H: 47.00S N: *****	NU: 28	D: \$\$\$\$
489.10 29.50	TB 148 -----	783.40 100.00	511.00 44.00	489.10<= 29.50	1077.10 13.80	631.10 13.30	1860.10 6.52	1401.40 2.50	H: 70.00H N: *****	NU: 59	D: GD 148 *
489.60 8.60	TL 198H -----	411.70 100.00	636.80 95.90	587.40 89.70	282.70 52.50	226.40 14.10	489.60<= 8.60	259.90 7.80	H: 1.87H N: *****	NU: 63	D: TL 198 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
490.47 10.00	PB 202M -----	960.70 100.00	422.12 93.50	786.99 54.31	657.49 35.36	490.47<= 10.00	459.72 9.40	389.94 6.74	H: 3.62H N: 0.93900	NU: 17	D: PB 202 *	
491.90 6.18	J 126 -----	388.50 100.00	666.20 88.24	753.80 11.47	491.90<= 6.18	511.01 2.56	880.30 1.86	1420.20 0.85	H: 12.80D N: 0.34000	NU: 9	D: TE 126	
492.60 3.50	Y 92 -----	934.50 100.00	1405.40 34.29	561.10 17.14	448.50 16.43	844.30 9.29	912.80 4.50	492.60<= 3.50	H: 3.50H N: 0.14000	NU: 19	D: ZR 92	
493.60 7.60	PB 200 -----	1026.30 100.00	462.00 63.00	419.60 53.00	245.00 22.00	493.60<= 7.60	545.70 4.60	810.20 4.20	H: 21.50H N: *****	NU: 10	D: TL 200 *	
494.40 0.84	GA 67 -----	184.50 100.00	300.20 89.61	393.40 27.43	91.30 13.80	208.96 8.44	494.40<= 0.84	867.90 0.84	H: 78.00H N: 0.23700	NU: 7	D: ZN 67	
496.30 23.50	TB 150M -----	638.00 100.00	650.40 70.00	438.40 42.00	827.50 41.00	343.10 25.00	496.30<= 23.50	566.50 22.00	H: 5.80M N: *****	NU: 18	D: GD 150	
497.00 18.27	PD 103 -----	39.75 100.00	357.20 80.46	497.00<= 18.27	294.90 13.83	62.40 4.85	317.40 0.08	443.90 0.04	H: 18.40D N: 0.00079	NU: 8	D: RH 103	
499.90 3.70	AS 71 -----	174.90 100.00	1095.50 4.50	499.90<= 3.70	326.80 3.30	526.60 0.87	1139.30 0.83	391.40 0.67	H: 64.00H N: *****	NU: 72	D: GE 71 *	
505.40 26.50	IN 107 -----	205.00 100.00	505.40<= 26.50	320.90 20.00	1268.40 9.00	365.60 7.40	728.10 5.80	809.00 5.00	H: 32.00H N: *****	NU: 98	D: CD 107 *	
505.60 0.31	J 123 -----	159.10 100.00	524.00 1.33	440.40 0.42	538.50 0.33	505.60<= 0.31	248.30 0.08	281.00 0.08	H: 13.30H N: 0.83000	NU: 14	D: TE 123	
505.80 0.82	CS 132 -----	667.50 100.00	464.50 1.92	629.80 1.04	505.80<= 0.82	1135.60 0.52	511.01 0.37	566.90 0.25	H: 6.47D N: 0.99000	NU: 14	D: XE 132	
507.50 22.50	TE 121 -----	572.90 100.00	507.50<= 22.50	470.00 1.75	66.00 0.50				H: 17.00D N: 0.80000	NU: 4	D: SB 121	
508.20 24.89	PA 230 -----	951.98 100.00	918.52 55.36	898.69 38.63	443.80 38.20	508.20<= 24.89	398.00 14.14	518.55 14.06	H: 17.50D N: 0.04660	NU: 43	D: U 230 *	
509.90 100.00	OS 182 -----	509.90<= 100.00	180.20 68.00	55.50 18.00	263.20 13.50	130.80 6.50	274.30 3.40	241.40 1.90	H: 21.00H N: *****	NU: 33	D: RE 182 *	
510.80 100.00	CD 105 -----	510.80<= 100.00	2300.80 46.00	961.10 3.80	1301.80 3.80	606.60 3.80	347.10 3.20	1692.90 3.10	H: 55.00H N: *****	NU: 89	D: AG 105 *	
510.80 23.00	TL 208 -----	2614.60 100.00	583.06 86.00	510.80<= 23.00	860.37 12.00	277.35 6.90	763.13 1.80	252.60 0.80	H: 3.05M N: 1.00000	NU: 16	D: PB 208	
510.90 5.00	TL 194 -----	428.20 100.00	639.30 68.20	749.00 45.50	735.00 13.20	255.40 5.46	645.20 5.46	510.90<= 5.00	H: 33.00M N: *****	NU: 34	D: HG 194	
511.00 44.00	TB 148 -----	783.40 100.00	511.00<= 44.00	489.10 29.50	1077.10 13.80	631.10 13.30	1860.10 6.52	1401.40 2.50	H: 70.00M N: *****	NU: 59	D: GD 148 *	
511.01 100.00	C 11 -----	511.01<= 100.00							H: 20.30M N: 2.00000	NU: 1	D: B 11	
511.01 100.00	N 13 -----	511.01<= 100.00							H: 9.96M N: 2.00000	NU: 1	D: C 13	
511.01 100.00	O 15 -----	511.01<= 100.00							H: 2.03M N: 2.00000	NU: 1	D: N 15	
511.01 100.00	F 18 -----	511.01<= 100.00							H: 109.80M N: 1.94000	NU: 1	D: C 18	
511.01 100.00	NA 22 -----	511.01<= 100.00	1274.52 55.25						H: 2.60A N: 1.81000	NU: 2	D: NE 22	
511.01 100.00	MG 23 -----	511.01<= 100.00	440.00 4.50						H: 12.00S N: 2.00000	NU: 2	D: NA 23	
511.01 100.00	AL 26 -----	511.01<= 100.00	1809.00 62.38	1130.00 1.56	2938.00 0.15				H: 6.40S N: 1.60000	NU: 4	D: PG 26	
511.01 100.00	CL 34H -----	511.01<= 100.00	146.50 45.00	2128.50 38.00	1177.50 12.00	3305.00 12.00			H: 32.00M N: 1.00000	NU: 5	D: CL 34 *	
511.01 100.00	CL 34 -----	511.01<= 100.00							H: 1.60S N: 2.00000	NU: 1	D: S 34	
511.01 100.00	K 38 -----	511.01<= 100.00	2167.60 50.00						H: 7.61M N: 2.00000	NU: 2	D: AR 38	
511.01 100.00	SC 44 -----	511.01<= 100.00	1157.00 50.00	1499.60 0.43	2656.60 0.11				H: 3.90H N: 1.88000	NU: 4	D: CA 44	
511.01 100.00	TI 45 -----	511.01<= 100.00	719.60 0.09	1408.10 0.05	1660.90 0.02	425.00 0.01	1236.50 0.01	974.00 0.00	H: 3.08H N: 1.68000	NU: 13	D: SC 45	
511.01 100.00	V 48 -----	511.01<= 100.00	983.40 98.04	1311.90 97.06	944.20 8.73	2240.10 2.35	928.40 1.18	1437.60 0.12	H: 15.97D N: 1.02000	NU: 9	D: TI 48	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF-LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
511.01 100.00	CR 49 -----	511.01<= 100.00	90.70 13.83	62.30 13.83	152.80 0.64					H: 41.70H N: 1.88000	NU: 4	D: V 49 *
511.01 100.00	MN 50 -----	511.01<= 100.00	1098.00 48.60	783.30 47.15	1443.30 32.55	1282.40 15.55	661.50 11.80	1944.50 1.84		H: 1.75H N: 2.00000	NU: 15	D: CR 50
511.01 55.00	MN 52 -----	1434.40 100.00	744.20 85.00	935.60 84.00	511.01<= 55.00	1332.80 5.10	1247.00 4.70	848.40 3.20		H: 5.67D N: 1.00000	NU: 14	D: CR 52
511.01 100.00	FE 53 -----	511.01<= 100.00	377.20 16.33							H: 8.50H N: 1.96000	NU: 2	D: PN 53
511.01 48.48	CO 56 -----	846.74 100.00	1238.28 69.94	511.01<= 48.48	1037.85 30.47	2598.57 16.90	1771.48 15.79	2034.90 7.82		H: 77.30D N: 0.98800	NU: 45	D: FE 56
511.01 31.16	CO 58 -----	810.74 100.00	511.01<= 31.16	863.94 0.64	1674.74 0.50					H: 71.30D N: 0.99500	NU: 4	D: FE 58
511.01 97.47	NI 57 -----	1377.70 100.00	511.01<= 97.47	127.10 18.99	1919.50 18.99	1757.70 8.35	1046.40 0.16	2804.00 0.13		H: 35.94H N: 0.79000	NU: 18	D: CO 57 *
511.01 100.00	CU 58 -----	511.01<= 100.00	1454.10 7.75	1448.00 5.55	40.80 3.40	1321.40 0.55	1488.30 0.52	167.10 0.48		H: 3.20S N: 2.00000	NU: 25	D: NI 58
511.01 100.00	CU 60 -----	511.01<= 100.00	1332.50 47.45	1791.60 24.18	826.40 11.14	3124.40 2.57	1861.60 2.54	1035.10 1.91		H: 24.00H N: 1.84000	NU: 74	D: NT 60
511.01 100.00	CU 61 -----	511.01<= 100.00	283.00 10.83	656.01 8.00	67.60 3.58	1185.00 3.00	373.60 1.58	588.60 1.00		H: 3.35H N: 1.20000	NU: 25	D: NI 61
511.01 100.00	CU 62 -----	511.01<= 100.00	1173.00 0.18	875.70 0.08	2301.00 0.02	1129.10 0.02	3369.90 0.01	2084.70 0.00		H: 9.75H N: 1.96000	NU: 16	D: NI 62
511.01 100.00	ZN 60 -----	511.01<= 100.00	670.20 25.85	61.50 10.26	273.40 4.51	334.40 3.76	364.60 1.36	572.40 1.06		H: 2.33H N: 1.95000	NU: 8	D: CU 60 *
511.01 100.00	ZN 61 -----	511.01<= 100.00	475.20 8.08	1660.50 3.74	970.00 1.21	1185.40 0.81	690.40 0.81	1997.10 0.61		H: 86.00S N: 1.98000	NU: 47	D: CU 61 *
511.01 100.00	ZN 63 -----	511.01<= 100.00	669.70 47.74	962.00 3.74	1411.90 0.41	450.00 0.13	1391.60 0.08	1123.70 0.07		H: 37.85H N: 1.86000	NU: 47	D: CU 63 *
511.01 100.00	GA 64 -----	511.01<= 100.00	992.20 22.96	3366.90 8.16	809.40 7.14	1387.80 6.63	2195.60 6.12	919.10 3.88		H: 2.60H N: 1.96000	NU: 29	D: ZN 64
511.01 100.00	GA 65 -----	511.01<= 100.00	115.10 30.60	61.10 6.56	153.00 4.97	751.80 4.54	53.80 2.73	206.90 1.42		H: 15.20H N: 1.83000	NU: 74	D: ZN 65 *
511.01 100.00	GA 66 -----	511.01<= 100.00	1039.30 32.17	2752.00 20.00	833.50 5.13	2189.90 4.87	4295.80 2.96	1918.64 1.83		H: 9.30H N: 1.15000	NU: 61	D: ZN 66
511.01 100.00	GA 68 -----	511.01<= 100.00	1077.50 1.98	1883.50 0.08	1261.30 0.05	805.70 0.05	165.90 0.04	578.40 0.02		H: 68.30H N: 1.76000	NU: 9	D: ZN 68
511.01 100.00	GE 66 -----	511.01<= 100.00	381.85 65.00	108.85 27.00	272.97 25.00	338.05 19.00	470.62 18.00	65.20 16.00		H: 2.40H N: *****	NU: 89	D: GA 66 *
511.01 100.00	AS 68 -----	511.01<= 100.00	1016.50 32.83	762.60 11.62	651.20 11.62	1778.70 10.61	613.50 2.78	1263.50 1.82		H: 159.00S N: 1.98000	NU: 21	D: GE 68 *
511.01 100.00	AS 70 -----	511.01<= 100.00	1039.60 51.00	744.00 12.97	668.20 12.97	1114.40 12.97	1707.90 11.00	595.20 10.00		H: 53.00H N: 0.90200	NU: 67	D: GE 70
511.01 100.00	AS 74 -----	511.01<= 100.00	595.83 98.02	634.78 24.71	608.43 0.94	1204.35 0.45	635.00 0.06	887.00 0.05		H: 17.90D N: 0.60700	NU: 15	D: GE 74
511.01 100.00	SE 73H -----	511.01<= 100.00	253.80 66.70	84.50 5.60	393.30 4.90	401.60 3.80	577.50 2.90	320.40 2.60		H: 43.00H N: *****	NU: 32	D: AS 73 *
511.01 100.00	SE 73 -----	511.01<= 100.00	360.90 78.13	67.00 57.03	864.90 0.43	1110.80 0.15	901.10 0.12	764.40 0.11		H: 7.10H N: 1.28000	NU: 20	D: AS 73 *
511.01 100.00	BR 75 -----	511.01<= 100.00	286.50 60.00	141.20 4.53	427.80 3.00	431.80 2.67	377.40 2.67	292.90 1.80		H: 101.50H N: 1.50000	NU: 56	D: SE 75 *
511.01 100.00	BR 76 -----	511.01<= 100.00	559.40 52.63	657.00 10.53	1852.50 10.53	1216.30 6.84	2949.00 4.96	2793.40 4.21		H: 16.00H N: 1.33000	NU: 99	D: SE 76
511.01 100.00	BR 78 -----	511.01<= 100.00	613.90 7.61	694.80 0.05	1020.30 0.04	884.50 0.04	1720.60 0.03	1922.60 0.03		H: 6.50H N: 1.84000	NU: 20	D: SE 78
511.01 83.33	BR 80 -----	617.00 100.00	511.01<= 83.33	665.70 16.67	639.90 3.17	704.10 2.50	1256.60 1.15	813.00 0.50		H: 17.60H N: 0.06000	NU: 7	D: KR 80
511.01 100.00	KR 77 -----	511.01<= 100.00	129.70 52.91	146.50 24.94	312.10 2.15	276.10 1.96	106.00 0.82	734.60 0.22		H: 1.20H N: 1.58000	NU: 28	D: BR 77 *
511.01 100.00	KR 79 -----	511.01<= 100.00	261.40 73.33	397.50 53.33	606.00 53.33	306.60 14.67	217.20 12.00	389.10 9.33		H: 34.90H N: 0.15000	NU: 38	D: BR 79
511.01 56.76	RB 84 -----	881.50 100.00	511.01<= 56.76	1897.40 10.81	1015.90 0.68					H: 34.50D N: 0.74000	NU: 4	D: KR 84

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN TABLE 1	N: NORMAL FACTOR
511.01 100.00	SR 83 -----	511.01<= 100.00	762.90 61.31	381.40 35.04	418.40 10.80	423.10 4.09	1562.40 3.80	778.20 2.92	H: 32.40H NU: 73 N: 0.68500	D: RB 83 *		
511.01 2.00	Y 87 -----	484.80 100.00	388.40 82.09	511.01<= 2.00					H: 80.30H NU: 3 N: 0.91000	D: SR 87		
511.01 0.40	Y 88 -----	1836.68 100.00	897.02 91.95	2734.17 0.62	511.01<= 0.40				H: 107.40D NU: 4 N: 0.99400	D: SR 88		
511.01 100.00	ZR 87 -----	511.01<= 100.00	1228.00 2.30	1210.00 0.73	793.00 0.36	1202.00 0.25	2220.00 0.23	1160.00 0.16	H: 1.60H NU: 15 N: 1.65000	D: Y 87**		
511.01 3.68	ZR 89H -----	588.00 100.00	1508.40 7.24	511.01<= 3.68					H: 4.20H NU: 3 N: 0.87000	D: ZR 89 *		
511.01 44.27	ZR 89 -----	909.20 100.00	511.01<= 44.27	1712.60 0.82	1744.50 0.13	1657.30 0.11	1620.80 0.07		H: 78.40H NU: 6 N: 0.99400	D: Y 89		
511.01 63.21	MO 90 -----	257.34 100.00	122.37 82.55	511.01<= 63.21	203.10 8.17	445.40 7.75	162.93 7.66	941.50 7.10	H: 5.70H NU: 23 N: 0.79100	D: NB 90 *		
511.01 20.60	TC 94 -----	916.20 100.00	849.70 93.00	870.90 93.00	702.60 93.00	511.01<= 20.60	449.00 2.50	531.60 1.10	H: 4.90H NU: 11 N: *****	D: MO 94		
511.01 42.86	RU 95 -----	336.40 100.00	511.01<= 42.86	1096.90 31.43	626.84 25.71	1178.80 7.57	806.40 6.00	1182.00 5.71	H: 1.65H NU: 38 N: 0.70000	D: TC 95 *		
511.01 34.38	RH 99H -----	340.60 100.00	511.01<= 34.38	1260.70 24.22	618.00 20.78	1209.10 20.00	937.40 4.34	528.40 2.95	H: 4.70H NU: 29 N: 0.64000	D: RU 99		
511.01 34.29	RH 99 -----	528.52 100.00	353.00 88.00	89.50 81.14	511.01<= 34.29	322.31 16.20	618.08 10.57	175.45 5.06	H: 16.00D NU: 37 N: 0.35000	D: RU 99		
511.01 54.35	RH 102 -----	475.06 100.00	511.01<= 54.35	628.05 9.78	468.58 6.30	1103.16 6.30	556.60 4.35	680.66 1.26	H: 206.00D NU: 25 N: 0.46000	D: RU 102		
511.01 100.00	AG 106H -----	511.01<= 100.00	450.60 31.00	717.20 30.00	1043.90 30.00	747.50 22.00	615.10 22.00	429.00 17.00	H: 8.50D NU: 34 N: *****	D: PD 106		
511.01 100.00	AG 106 -----	511.01<= 100.00	511.80 15.65	622.00 1.30	873.30 0.62	1050.10 0.54	616.00 0.40	1127.90 0.23	H: 24.00H NU: 13 N: 1.24000	D: PD 106		
511.01 100.00	CD 107 -----	511.01<= 100.00	828.90 37.50	796.00 14.46	422.60 7.14	898.00 2.68	1130.00 2.14	596.80 1.79	H: 6.50H NU: 16 N: 0.00560	D: AG 107**		
511.01 100.00	IN 106 -----	511.01<= 100.00	1716.50 87.00	632.80 67.00	225.20 66.00	861.80 18.00	998.50 6.00	1009.60 4.00	H: 5.38H NU: 33 N: *****	D: CD 106		
511.01 100.00	SN 111 -----	511.01<= 100.00	1152.00 3.09	761.00 1.89	1914.00 1.89	1610.00 1.39	1541.00 0.90	2099.00 0.46	H: 35.50H NU: 9 N: 0.54000	D: IN 111 *		
511.01 5.75	SB 117 -----	158.50 100.00	511.01<= 5.75	861.70 0.33	1004.50 0.26	1021.00 0.11	1020.60 0.11	553.10 0.08	H: 2.80H NU: 14 N: 0.87000	D: SN 117		
511.01 32.00	S8 118H -----	1229.50 100.00	1050.80 98.00	253.90 93.00	511.01<= 32.00	41.00 18.00	1091.80 2.40	984.00 1.50	H: 5.10H NU: 8 N: 0.01000	D: SN 118		
511.01 100.00	S8 118 -----	511.01<= 100.00	1229.50 1.64	1267.00 0.38	528.20 0.25	826.90 0.24	1699.70 0.04	1172.90 0.03	H: 3.50H NU: 14 N: 1.51000	D: SN 118		
511.01 100.00	S8 120 -----	511.01<= 100.00	1171.50 4.12	704.00 0.45	989.10 0.19				H: 15.90H NU: 4 N: 1.02000	D: SN 120		
511.01 100.00	J 122 -----	511.01<= 100.00	564.00 12.75	692.60 0.94	793.00 0.94	683.50 0.65	1747.10 0.23	2188.00 0.20	H: 3.50H NU: 48 N: *****	D: TE 122		
511.01 74.19	J 124 -----	602.71 100.00	511.01<= 74.19	1691.04 17.26	722.78 16.45	1509.49 4.95	1376.25 2.76	1325.53 2.37	H: 4.17D NU: 31 N: 0.62000	D: TE 124		
511.01 2.56	J 126 -----	388.50 100.00	666.20 88.24	753.80 11.47	491.90 6.18	511.01<= 2.56	880.30 1.88	1420.20 0.85	H: 12.80D NU: 9 N: 0.34000	D: TE 126		
511.01 8.09	XE 123 -----	148.90 100.00	178.10 30.50	330.20 17.50	511.01<= 8.09	1093.40 5.70	899.60 5.00	1113.10 3.20	H: 2.10H NU: 99 N: *****	D: J 123 *		
511.01 100.00	CS 130 -----	511.01<= 100.00	536.00 4.37	686.10 0.51	894.00 0.46	1614.60 0.27	1687.30 0.20	1996.30 0.17	H: 29.10H NU: 17 N: *****	D: XE 130		
511.01 0.37	CS 132 -----	667.50 100.00	464.50 1.92	629.80 1.04	505.80 0.82	1135.60 0.52	511.01<= 0.37	566.90 0.25	H: 6.47D NU: 14 N: 0.99000	D: XE 132		
511.01 100.00	PR 133 -----	511.01<= 100.00	134.30 57.14	315.60 48.57	74.00 42.20	465.00 28.57	330.80 24.57	241.90 22.86	H: 6.50H NU: 52 N: *****	D: CE 133 *		
511.01 100.00	PR 135 -----	511.01<= 100.00	256.12 66.70	82.64 33.30	213.45 31.80	538.20 19.70	697.50 10.50	613.80 4.35	H: 22.00H NU: 43 N: *****	D: CE 135 *		
511.01 100.00	PR 136 -----	511.01<= 100.00	552.20 63.33	540.00 44.09	1092.30 15.76	461.00 7.35	1000.70 3.79	1602.70 3.18	H: 13.10H NU: 68 N: 0.66000	D: CE 136		
511.01 63.00	PR 138H -----	788.90 100.00	1038.10 100.00	302.60 81.70	511.01<= 63.00	390.90 6.05	547.80 5.22	635.90 1.78	H: 2.10H NU: 51 N: *****	D: CE 138		

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE I
511.01 100.00	PR 139 -----	511.01<= 100.00	1347.40 2.78	1630.60 1.94	254.70 1.50	1357.70 0.94	1320.00 0.36	1596.60 0.28		H: 4.50H N: 0.18000	NU:13	D:CE 139 *
511.01 100.00	ND 139H -----	114.00 100.00	511.01<= 100.00	984.00 24.00	740.00 21.00	327.00 20.00	708.00 14.00			H: 5.50H N: *****	NU: 6	D:ND 139 *
511.01 100.00	ND 141 -----	511.01<= 100.00	1126.80 16.67	1147.50 6.67	1292.60 5.00	1298.60 5.00	146.60 3.33			H: 2.60H N: 0.06000	NU: 6	D:PR 141
511.01 100.00	PM 141 -----	511.01<= 100.00	1223.20 2.70	885.80 1.40	194.40 1.20	1344.30 0.76	622.00 0.59	1565.00 0.54		H: 20.90H N: *****	NU:12	D:ND 141
511.01 13.47	TB 147 -----	1153.00 100.00	139.80 44.93	694.50 40.80	511.01<= 13.47	119.70 8.93	554.90 5.07	2684.00 4.53		H: 24.00H N: 0.75000	NU:18	D:GD 147 *
511.01 20.00	TB 152 -----	344.30 100.00	511.01<= 20.00	586.30 15.00	271.10 14.00	778.90 8.90	411.10 6.30	974.10 4.80		H: 17.50H N: *****	NU:94	D:GD 152
511.01 7.35	DY 155 -----	226.94 100.00	90.32 23.09	511.01<= 7.35	1088.90 6.10	999.20 5.53	184.53 5.51	905.10 5.00		H: 9.60H N: 0.68000	NU:98	D:TB 155 *
511.01 97.83	HO 162 -----	185.00 100.00	511.01<= 97.83	80.00 84.78	930.00 51.09	1220.00 46.74	283.00 32.61			H: 15.00H N: 0.09200	NU: 6	D:DY 162
511.01 100.00	TM 164 -----	511.01<= 100.00	91.39 9.34	1154.63 2.33	768.92 1.99	208.08 1.65	860.31 1.56	1610.74 1.55		H: 2.00H N: 0.78200	NU:93	D:ER 164
511.01 78.27	TA 174 -----	206.62 100.00	511.01<= 78.27	1205.87 7.09	1359.40 3.24	1227.10 2.94	1358.10 2.17	310.82 2.14		H: 1.20H N: 0.61200	NU:97	D:HF 174
511.01 100.00	TA 178 -----	511.01<= 100.00	1350.55 56.00	1340.84 48.80	1106.11 25.40	1402.87 22.90	1496.10 12.90	1183.40 7.92		H: 9.30H N: *****	NU:28	D:HF 178
511.70 100.00	RH 106H -----	511.70<= 100.00	1046.70 36.05	716.60 33.72	450.80 27.91	616.10 23.60	748.50 22.09	1529.40 20.93		H: 2.20H N: 0.86000	NU:38	D:PD 106
511.80 15.65	AG 106 -----	511.01 100.00	511.80<= 15.65	622.00 1.30	873.30 0.62	1050.10 0.54	616.00 0.40	1127.90 0.23		H: 24.00H N: 1.24000	NU:13	D:PD 106
513.99 100.00	SR 85 -----	513.99<= 100.00								H: 64.80D N: 0.98200	NU: 1	D:RB 85
517.10 30.56	CE 135 -----	265.30 100.00	299.85 55.56	605.70 44.44	517.10<= 30.56	571.20 29.44	782.80 23.33	206.36 17.22		H: 17.00H N: 0.18000	NU:43	D:LA 135 *
518.55 14.06	PA 230 -----	951.98 100.00	918.52 55.36	898.69 38.63	443.80 38.20	508.20 24.89	398.00 14.14	518.55<= 14.06		H: 17.50D N: 0.04660	NU:43	D:U 230 *
520.00 85.71	BR 77 -----	239.00 100.00	520.00<= 85.71	297.00 15.00	250.00 10.36	579.00 10.36	88.00 8.93	282.00 8.21		H: 57.00H N: 0.28000	NU:32	D:SE 77
520.30 1.09	TL 202 -----	439.40 100.00	520.30<= 1.09	959.70 0.11						H: 12.20D N: 0.91900	NU: 3	D:HG 202
520.90 100.00	RB 83 -----	520.90<= 100.00	529.30 67.54	552.50 34.86	796.80 1.96					H: 83.00D N: 0.45900	NU: 4	D:KR 83**
521.30 0.04	AU 196 -----	355.70 100.00	332.90 26.60	426.00 7.66	1091.30 0.17	758.90 0.05	521.30<= 0.04	393.40 0.01		H: 6.18D N: 0.94000	NU:16	D:PT 196
524.40 0.00	AG 111 -----	341.90 100.00	245.60 15.00	96.90 2.38	620.60 0.43	866.70 0.14	524.40<= 0.00			H: 7.45D N: 0.08000	NU: 6	D:CD 111
525.80 1.15	HG 195H -----	56.70 100.00	261.75 98.40	560.24 16.30	387.93 4.88	200.35 2.06	1241.00 1.48	525.80<= 1.15		H: 40.00H N: *****	NU:37	D:HG 195 *
526.60 0.87	AS 71 -----	174.90 100.00	1095.50 4.50	499.90 3.70	326.80 3.30	526.60<= 0.87	1139.30 0.83	391.40 0.67		H: 64.00H N: *****	NU:72	D:GE 71 *
528.20 0.25	SB 118 -----	511.01 100.00	1229.50 1.64	1267.00 0.38	528.20<= 0.25	826.90 0.24	1699.70 0.04	1172.90 0.03		H: 3.50H N: 1.51000	NU:14	D:SN 118
528.22 59.84	LU 172 -----	900.60 100.00	372.50 79.37	809.90 71.03	1093.40 69.60	528.22<= 59.84	410.31 53.65	697.20 36.90		H: 6.70D N: *****	NU:78	D:YB 172
528.40 2.95	RH 99H -----	340.60 100.00	511.01 34.38	1260.70 24.22	618.00 20.78	1209.10 20.00	937.40 4.34	528.40<= 2.95		H: 4.70H N: 0.64000	NU:29	D:RU 99
528.50 13.59	EU 149 -----	327.50 100.00	277.00 85.13	254.50 15.90	528.50<= 13.59	350.00 8.72	558.40 1.59	535.90 1.18		H:106.00D N: 0.03900	NU:13	D:SW 149
528.52 100.00	RH 99 -----	528.52<= 100.00	353.00 88.00	89.50 81.14	511.01 34.29	322.31 16.20	616.08 10.57	175.45 5.06		H: 16.00D N: 0.35000	NU:37	D:RU 99
528.70 41.10	AU 189 -----	713.40 100.00	813.10 58.30	348.10 55.99	447.80 54.40	166.30 41.30	528.70<= 41.10	441.70 34.40		H: 29.70H N: *****	NU:24	D:PT 189 *
529.00 1.33	J 123 -----	159.10 100.00	529.00<= 1.33	440.40 0.42	538.50 0.33	505.60 0.31	248.30 0.08	281.00 0.08		H: 13.30H N: 0.83000	NU:14	D:TE 123
529.30 67.54	RB 83 -----	520.90 100.00	529.30<= 67.54	552.50 34.86	796.80 1.96					H: 83.00D N: 0.45900	NU: 4	D:KR 83**

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER NU: NORMAL FACTOR
531.50 1.52	TM 167	207.80 100.00	531.50<= 1.52	346.50 0.02	323.70 0.00	250.20 0.00	266.50 0.00			H: 9.25D NU: 0.98500	D: ER 167
531.60 1.10	TC 94	916.20 100.00	849.70 93.00	870.90 93.00	702.60 93.00	511.01 20.60	449.00 2.50	531.60<= 1.10		H: 4.90H NU: *****	D: PO 94
532.90 5.40	AU 186	265.60 100.00	339.90 23.50	605.60 14.60	405.00 8.20	670.40 7.35	532.90<= 5.40	1083.90 5.45		H: 8.00H NU: *****	D: PT 186 *
534.10 100.00	TB 156	534.10<= 100.00	199.20 61.00	1222.10 46.00	88.93 29.00	1067.00 21.00	1065.00 21.00	356.39 19.00		H: 5.10D NU: *****	D: GD 156
535.90 1.18	EU 149	327.50 100.00	277.00 85.13	254.50 15.90	528.50 13.59	350.00 8.72	558.40 1.59	535.90<= 1.18		H: 106.00D NU: 0.03900	D: SM 149
536.00 4.37	CS 130	511.01 100.00	536.00<= 4.37	686.10 0.51	804.00 0.46	1614.60 0.27	1687.30 0.20	1996.30 0.17		H: 29.10M NU: *****	D: XE 130
536.08 100.00	J 130H	536.08<= 100.00	586.10 8.73	1615.00 3.63	1122.00 1.22	1028.00 0.40	1966.00 0.39	1380.00 0.30		H: 8.82M NU: 0.15800	D: J 130 *
536.08 100.00	J 130	536.08<= 100.00	668.46 97.49	739.45 82.06	416.00 31.86	1157.25 12.83	586.10 1.54	686.06 0.92		H: 12.30H NU: 0.99800	D: XE 130
536.10 14.00	HG 191	252.60 100.00	420.30 33.00	578.70 31.00	274.10 23.00	241.40 21.00	536.10<= 14.00	371.00 11.00		H: 50.80M NU: *****	D: AU 191 *
536.50 4.90	RE 184H	920.90 100.00	216.40 11.30	317.60 8.10	536.50<= 4.90	384.00 4.05	1174.10 1.10	1110.20 0.65		H: 165.00D NU: *****	D: RE 184 *
538.20 19.70	PR 135	511.01 100.00	296.12 66.70	82.64 33.30	213.45 31.80	538.20<= 19.70	697.50 10.50	613.80 4.35		H: 22.00M NU: *****	D: CE 135 *
538.50 0.33	J 123	159.10 100.00	529.00 1.33	440.40 0.42	538.50<= 0.33	505.60 0.31	248.30 0.08	281.00 0.08		H: 13.30H NU: 0.83000	D: TE 123
539.00 100.00	PT 191	539.00<= 100.00	410.00 51.80	360.00 39.40	82.50 24.00	172.03 22.50	351.01 22.30	56.51 20.10		H: 3.00D NU: *****	D: IR 191
539.40 100.00	RH 100	539.40<= 100.00	2376.00 40.00	1552.50 28.00	822.20 27.00	1362.40 20.00	1106.30 18.00	445.50 15.80		H: 20.00H NU: *****	D: RU 100
539.60 100.00	TC 100	539.60<= 100.00	590.80 81.71	689.40 7.20	378.60 6.30	1512.20 6.27	822.50 0.97	1362.10 0.86		H: 17.00S NU: 0.06670	D: PU 100
540.00 8.78	LA 132	464.00 100.00	567.00 20.54	193.00 14.86	1909.00 12.57	663.00 11.76	1031.00 11.49	540.00<= 8.78		H: 4.50H NU: 0.74000	D: BA 132
540.00 44.00	PR 136	511.01 100.00	552.20 63.33	540.00<= 44.00	1092.30 15.76	461.00 7.35	1000.70 3.79	1602.70 3.18		H: 13.10M NU: 0.66000	D: CE 136
544.90 62.00	PT 189	721.40 100.00	607.60 87.00	94.34 82.00	568.90 76.00	243.50 75.00	544.90<= 62.00	141.18 45.00		H: 10.90H NU: *****	D: IR 189 *
545.00 13.00	J 118	606.00 100.00	600.00 13.00	545.00<= 13.00	1339.00 9.00	740.00 2.00				H: 14.30M NU: *****	D: TE 118 *
545.10 100.00	AT 209	545.10<= 100.00	781.90 94.00	790.30 74.00	195.10 25.90	239.00 13.50	903.20 9.20	551.30 6.50		H: 5.30H NU: *****	D: PO 209 *
545.20 5.60	RH 101H	306.76 100.00	545.20<= 5.60	127.13 1.20	179.50 0.90	237.60 0.50	233.20 0.40	183.90 0.30		H: 4.40D NU: *****	D: RU 101
545.70 4.60	PR 200	1026.30 100.00	462.00 63.00	419.60 53.00	245.00 25.00	493.60 7.60	545.70<= 4.60	810.20 4.20		H: 21.50H NU: *****	D: TL 200 *
547.00 30.27	TM 164H	208.08 100.00	314.93 65.57	240.49 50.93	547.00<= 30.27	897.91 29.07	91.39 28.47	1364.60 27.87		H: 5.10M NU: 0.18300	D: ER 164
547.80 5.22	PP 138H	788.90 100.00	1038.10 100.00	302.60 81.70	511.01 63.00	390.90 6.05	547.80<= 5.22	635.90 1.78		H: 2.10H NU: *****	D: CE 138
548.20 62.22	ZN 62	40.87 100.00	548.29<= 62.22	243.41 10.31	393.84 9.24	247.02 8.27	260.41 5.96	636.90 3.31		H: 9.75M NU: 0.22500	D: NI 62
548.40 77.00	PT 184	154.90 100.00	182.90 94.00	548.40<= 77.00	731.20 43.00	216.50 17.00	92.60 16.00	394.60 16.00		H: 17.30M NU: *****	D: IR 184 *
549.00 10.90	CS 129	372.00 100.00	411.70 73.20	549.00<= 10.90	318.40 7.85	278.80 4.06	598.50 1.66	93.50 1.40		H: 32.10H NU: *****	D: XE 129
550.10 8.40	Y 94	913.20 100.00	1139.10 20.00	550.10<= 8.40	1668.60 6.20	750.50 4.60	381.80 3.20	1915.61 2.80		H: 19.40M NU: 0.50000	D: ZR 94
550.20 100.00	PM 148H	550.20<= 100.00	629.90 55.65	725.70 34.78	915.40 21.74	1013.80 21.74	414.10 19.57	288.00 13.04		H: 41.80D NU: 0.32000	D: SM 148
550.20 100.00	PM 148	550.20<= 100.00	1465.10 78.57	912.00 53.57	611.10 4.64					H: 5.40D NU: 0.28000	D: SM 148
550.20 100.00	EU 148	550.20<= 100.00	629.90 71.62	611.26 10.40	413.90 19.70	553.20 17.27	725.70 12.32	571.90 9.19		H: 54.00D NU: 0.59000	D: SM 148

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF	D: DAUGHTER ENERGIES IN TABLE 1	N: NORMAL FACTOR
551.30 6.50	AT 209 -----	545.10 100.00	781.90 94.00	790.30 74.00	195.10 25.90	239.00 13.50	903.20 9.20	551.30<= 6.50	H: 5.30H N: *****	NU: 39	D: PO 209 *
552.20 63.33	PR 136 -----	511.01 100.00	552.20<= 63.33	540.00 44.09	1092.30 15.76	461.00 7.35	1000.70 3.79	1602.70 3.18	H: 13.10H N: 0.66000	NU: 68	D: CE 136
552.50 34.86	RB 83 -----	520.90 100.00	529.30 67.54	552.50<= 34.86	796.80 1.96				H: 83.00D N: 0.45900	NU: 4	D: KR 83H*
553.10 0.08	SB 117 -----	158.50 100.00	511.01 5.75	961.70 0.33	1004.50 0.26	1021.00 0.11	1020.60 0.11	553.10<= 0.08	H: 2.80H N: 0.87000	NU: 14	D: SN 117
553.20 17.27	EU 148 -----	550.20 100.00	629.90 71.62	611.26 19.49	413.90 18.79	553.20<= 17.27	725.70 12.32	571.90 9.19	H: 54.00D N: 0.99000	NU: 86	D: SM 148
554.90 5.07	TB 147 -----	1153.00 100.00	139.80 44.93	694.50 49.80	511.01 13.47	119.70 8.93	554.90<= 5.07	2684.00 4.53	H: 24.00H N: 0.75000	NU: 18	D: GD 147 *
555.80 100.00	AG 104H -----	555.80<= 100.00	1238.80 4.26	2276.70 2.62	1761.80 2.30	785.70 2.13	1720.80 1.97	2139.20 1.80	H: 33.50H N: 0.61000	NU: 38	D: PD 104
555.80 100.00	AG 104 -----	555.80<= 100.00	767.60 72.00	941.60 27.00	925.90 14.00	857.90 11.00	785.70 10.00	1341.80 7.90	H: 69.20H N: 1.00000	NU: 37	D: PD 104
556.60 4.35	RH 102 -----	475.06 100.00	511.01 54.35	628.05 9.78	468.58 6.30	1103.16 6.30	556.60<= 4.35	680.66 1.26	H: 206.00D N: 0.46000	NU: 25	D: RU 102
556.70 100.00	AG 102H -----	556.70<= 100.00	1834.70 23.13	2054.50 15.63	2159.40 11.88	3238.60 11.56	1461.10 10.63	2017.80 6.56	H: 8.00H N: *****	NU: 14	D: PD 102
556.70 100.00	AG 102 -----	556.70<= 100.00	719.40 59.42	1522.70 27.54	1744.50 17.68	1581.60 14.06	835.40 14.06	1257.10 13.04	H: 13.00H N: *****	NU: 21	D: PD 102
556.80 94.00	EU 142 -----	768.20 100.00	556.80<= 94.00	1022.90 94.00	1015.70 10.00	563.90 10.00			H: 1.20H N: *****	NU: 5	D: SM 142 *
557.00 22.00	PR 134 -----	409.00 100.00	639.00 36.00	557.00<= 22.00	966.00 14.00	383.00 8.00			H: 17.00H N: *****	NU: 5	D: CE 134 *
558.40 1.59	EU 149 -----	327.50 100.00	277.00 85.13	254.50 15.90	528.50 13.59	350.00 8.72	558.40<= 1.59	535.90 1.18	H: 106.00D N: 0.03900	NU: 13	D: SP 149
559.00 8.00	CD 104 -----	83.50 100.00	709.20 24.50	559.00<= 8.00	66.70 7.20	625.60 2.70	123.70 0.55	150.20 0.17	H: 57.00H N: *****	NU: 7	D: AG 104 *
559.40 52.63	BR 76 -----	511.01 100.00	559.40<= 52.63	657.00 10.53	1852.50 10.53	1216.30 6.84	2949.00 4.96	2793.40 4.21	H: 16.00H N: 1.33000	NU: 99	D: SE 76
559.90 63.00	SR 79 -----	188.90 100.00	166.40 73.00	115.70 63.00	559.90<= 63.00	444.20 37.00	611.20 26.00	255.70 8.00	H: 8.10H N: *****	NU: 7	D: RB 79 *
560.00 100.00	J 120H -----	560.00<= 100.00	601.00 100.00	614.00 81.00	976.00 35.00	1348.00 26.00	1405.00 20.00	1443.00 12.00	H: 40.00H N: *****	NU: 11	D: TE 120
560.24 16.30	HG 195H -----	56.70 100.00	261.75 98.40	560.24<= 16.30	387.93 4.88	200.35 2.06	1241.00 1.48	525.80 1.15	H: 40.00H N: *****	NU: 37	D: HG 195 *
560.60 0.42	RU 97 -----	215.20 100.00	324.40 11.76	570.00 0.88	560.60<= 0.42	108.90 0.16	461.30 0.13	785.50 0.09	H: 2.88D N: 0.91000	NU: 12	D: TC 97 *
561.00 100.00	J 120 -----	561.00<= 100.00	1526.00 20.00	2455.00 16.00	2565.00 14.00	641.00 12.00	601.00 7.40	1202.00 1.30	H: 1.35H N: *****	NU: 7	D: TE 120
561.10 17.14	Y 92 -----	934.50 100.00	1405.40 34.20	561.10<= 17.14	448.50 16.43	844.30 9.29	912.80 4.50	492.60 3.50	H: 3.50H N: 0.14000	NU: 19	D: ZR 92
561.10 39.00	AM 238 -----	962.70 100.00	561.10<= 39.00	605.20 27.00	1577.50 11.00	357.70 8.10	941.40 7.30	1266.30 6.20	H: 1.90H N: *****	NU: 23	D: PU 238 *
562.00 66.00	BI 198 -----	1062.90 100.00	562.00<= 66.00	197.40 62.00	317.50 37.00				H: 11.80H N: *****	NU: 4	D: PB 198
562.40 36.00	IR 194H -----	482.50 100.00	328.50 96.00	600.50 64.00	687.80 61.00	338.80 57.00	390.80 36.00	562.40<= 36.00	H: 171.00D N: *****	NU: 9	D: PT 194
563.00 6.00	LA 134 -----	605.20 100.00	1554.80 16.00	1424.70 8.20	1732.10 7.40	1483.60 6.40	563.00<= 6.00	1210.90 4.10	H: 6.70H N: *****	NU: 33	D: BA 134
563.40 17.00	TL 191 -----	215.70 100.00	326.10 64.00	264.70 46.00	336.50 34.00	378.20 27.00	563.40<= 17.00		H: 5.20H N: *****	NU: 6	D: HG 191 *
563.90 10.00	EU 142 -----	768.20 100.00	556.80 94.00	1022.90 94.00	1015.70 10.00	563.90<= 10.00			H: 1.20H N: *****	NU: 5	D: SM 142 *
564.00 12.75	J 122 -----	511.01 100.00	564.00<= 12.75	692.60 0.94	793.00 0.94	683.50 0.65	1747.10 0.23	2188.00 0.20	H: 3.50H N: *****	NU: 48	D: TE 122
564.00 170.00	XE 122 -----	564.00<= 100.00	350.10 44.00	148.70 16.00	416.90 11.00	90.60 2.80	288.60 2.20	61.80 1.80	H: 20.10H N: *****	NU: 15	D: J 122 *
565.77 18.00	PD 101 -----	296.25 100.00	560.36 62.00	269.66 30.90	24.40 20.30	565.77<= 18.00	723.76 12.00	1289.03 12.00	H: 8.30H N: *****	NU: 48	D: RH 101H*

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE	D: DAUGHTER	N: NORMAL FACTOR
										NUMBER OF ENERGIES IN	TABLE 1	
566.50 22.00	TB 150H -----	633.00 100.00	650.40 70.00	438.40 42.00	827.50 41.00	343.10 25.00	496.30 23.50	566.50<= 22.00	H: 5.80M N: *****	NU:18		D:GD 150
566.90 0.25	CS 132 -----	667.50 100.00	464.50 1.02	629.80 1.04	505.80 0.82	1135.60 0.52	511.01 0.37	566.90<= 0.25	H: 6.47D N: 0.99000	NU:14		D:XE 132
567.00 20.54	LA 132 -----	464.00 100.00	567.00<= 20.54	192.00 14.86	1909.00 12.57	663.00 11.76	1031.00 11.49	540.00 8.78	H: 4.50H N: 0.74000	NU:99		D:BA 132
568.70 56.00	NB 96 -----	778.20 100.00	568.70<= 56.00	1091.40 51.00	460.10 26.80	849.80 21.00	1200.50 20.50	810.40 9.00	H: 23.50H N: *****	NU:20		D:PC 96
568.90 76.00	PT 189 -----	721.40 100.00	607.60 87.00	94.34 82.00	568.90<= 76.00	243.50 75.00	544.90 62.00	141.18 45.00	H: 10.90H N: *****	NU:99		D:IR 189 *
569.00 2.10	MN 57 -----	122.06 100.00	692.00 28.48	136.47 11.52	353.00 10.89	1613.00 3.47	569.00<= 2.10	367.00 1.90	H: 1.70M N: 0.09550	NU:13		D:FE 57
569.67 100.00	BI 207 -----	569.67<= 100.00	1063.62 76.00	1770.22 7.50	897.30 0.16				H: 38.00A N: 0.97900	NU: 4		D:PB 207
570.00 0.98	RU 97 -----	215.20 100.00	324.40 11.76	570.00<= 0.88	560.60 0.42	108.90 0.16	461.30 0.13	785.50 0.09	H: 2.88D N: 0.91000	NU:12		D:TC 97 *
570.10 0.02	CO 57 -----	122.06 100.00	136.47 13.41	14.41 11.18	692.10 0.18	570.10<= 0.02	706.60 0.01	339.70 0.00	H: 271.60D N: 0.85000	NU:10		D:FE 57
570.58 13.20	BI 205 -----	703.40 100.00	1764.27 93.10	987.56 53.40	1043.66 23.90	1861.69 17.50	579.78 16.80	570.58<= 13.20	H: 15.31D N: *****	NU:79		D:PB 205 *
571.20 29.44	CE 135 -----	265.30 100.00	299.85 55.56	605.70 44.44	517.10 30.56	571.20<= 29.44	782.80 23.33	206.36 17.22	H: 17.00H N: 0.18000	NU:43		D:LA 135 *
571.90 9.19	EU 148 -----	550.20 100.00	629.90 71.62	611.26 19.49	413.90 18.79	553.20 17.27	725.70 12.32	571.90<= 9.19	H: 54.00D N: 0.99000	NU:86		D:SM 148
572.00 45.50	HF 170 -----	123.00 100.00	162.00 89.50	620.00 56.40	572.00<= 45.50	100.00 25.00	347.00 18.60	207.00 18.20	H: 12.00H N: *****	NU: 9		D:LU 170 *
572.40 1.06	ZN 60 -----	511.01 100.00	670.20 25.85	61.50 10.26	273.40 4.51	334.40 3.76	364.60 1.36	572.40<= 1.06	H: 2.33M N: 1.95000	NU: 8		D:CU 60 *
572.90 100.00	TE 121 -----	572.90<= 100.00	507.50 22.50	470.00 1.75	66.00 0.50				H: 17.00D N: 0.80000	NU: 4		D:SB 121
574.30 0.03	ZN 69H -----	438.70 100.00	574.30<= 0.03						H: 13.00H N: 0.99900	NU: 2		D:ZN 69 *
577.50 2.90	SE 73H -----	511.01 100.00	253.80 66.70	84.50 5.60	393.30 4.90	401.60 3.80	577.50<= 2.90	320.40 2.60	H: 43.00M N: *****	NU:32		D:AS 73 *
578.40 0.02	GA 68 -----	511.01 100.00	1077.50 1.98	1883.50 0.08	1261.30 0.05	805.70 0.05	165.90 0.04	578.40<= 0.02	H: 68.30M N: 1.76000	NU: 9		D:ZN 68
578.70 31.00	HG 191 -----	252.60 100.00	420.30 33.00	578.70<= 31.00	274.10 23.00	241.40 21.00	536.10 14.00	371.00 11.00	H: 50.80M N: *****	NU:79		D:AU 191*
579.00 10.36	BR 77 -----	239.00 100.00	520.00 85.71	297.00 15.00	250.00 10.36	579.00<= 10.36	89.00 8.93	282.00 8.21	H: 57.00H N: 0.28000	NU:32		D:SE 77
579.78 16.80	BI 205 -----	703.40 100.00	1764.27 93.10	987.56 53.40	1043.66 23.90	1861.69 17.50	579.78<= 16.80	570.58 13.20	H: 15.31D N: *****	NU:79		D:PB 205 *
581.60 10.00	IN 110H -----	937.50 100.00	706.80 46.00	641.60 38.00	997.50 15.00	581.60<= 10.00	584.20 10.00	461.00 8.00	H: 4.90H N: *****	NU:42		D:CD 110
582.07 55.00	TC 95H -----	204.12 100.00	582.07<= 55.00	935.13 45.00	796.18 15.00	820.61 8.00	765.80 6.00	1039.25 5.00	H: 60.00D N: *****	NU:13		D:MO 95
582.58 4.65	AU 192 -----	316.49 100.00	295.94 38.50	612.44 7.48	306.43 5.97	1723.10 5.44	1423.00 5.15	582.58<= 4.65	H: 4.10H N: *****	NU:99		D:PT 192
583.06 86.00	TL 208 -----	2614.60 100.00	583.06<= 86.00	510.80 23.00	860.37 12.00	277.35 6.90	763.13 1.80	252.60 0.80	H: 3.05M N: 1.00000	NU:16		D:PB 208
584.20 10.00	IN 110H -----	937.50 100.00	706.80 46.00	641.60 38.00	997.50 15.00	581.60 10.00	584.20<= 10.00	461.00 8.00	H: 4.90H N: *****	NU:42		D:CD 110
584.40 6.73	IR 186 -----	256.90 100.00	434.60 46.10	773.10 13.10	636.20 7.70	767.30 7.19	584.40<= 6.73	933.20 6.73	H: 15.00H N: *****	NU:82		D:CS 186
585.11 2.58	HG 195 -----	61.43 100.00	779.78 8.42	180.23 5.22	585.11<= 2.58	207.07 2.58	56.70 2.57	261.75 2.52	H: 9.50H N: *****	NU:33		D:AU 195 *
586.10 8.73	J 130H -----	536.08 100.00	586.10<= 8.73	1615.00 3.83	1122.00 1.22	1028.00 0.40	1666.00 0.39	1380.00 0.30	H: 8.82M N: 0.15800	NU:14		D:J 130 *
586.10 1.54	J 130 -----	536.08 100.00	668.46 97.49	739.45 82.06	418.00 31.86	1157.25 12.83	586.10<= 1.54	686.06 0.92	H: 12.30H N: 0.99800	NU:24		D:XE 130
586.30 15.00	TB 152 -----	344.30 100.00	511.01 20.09	586.30<= 15.00	271.10 14.00	778.90 8.90	411.10 6.30	974.10 4.90	H: 17.50H N: *****	NU:94		D:GD 152

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: INCR.MAL. FACTOR
587.40 89.70	TL 198M -----	411.70 100.00	636.80 95.90	587.40<= 89.70	282.70 52.50	226.40 14.10	489.60 8.60	259.90 7.80	H: 1.87H N: *****	NU: 63	D: TL 198 *	
588.00 100.00	ZR 89M -----	588.00<= 100.00	1508.40 7.24	511.01 3.68					H: 4.20H N: 0.87000	NU: 3	D: ZR 89 *	
588.50 1.86	CS 129 -----	372.00 100.00	411.70 73.20	549.00 10.80	318.40 7.85	278.80 4.06	588.50<= 1.86	93.50 1.40	H: 32.10H N: *****	NU: 13	D: XE 129	
588.57 5.60	IR 192 -----	316.50 100.00	468.06 64.14	295.44 37.04	308.44 35.34	604.40 11.30	612.44 7.20	588.57<= 5.60	H: 74.20D N: 0.76400	NU: 16	D: PT 192	
588.60 1.00	CU 61 -----	511.01 100.00	283.00 10.83	656.01 8.00	67.60 3.58	1185.00 3.00	373.60 1.58	588.60<= 1.00	H: 3.35H N: 1.20000	NU: 25	D: NI 61	
590.36 62.00	PD 101 -----	296.25 100.00	590.36<= 62.00	269.66 30.90	24.40 20.30	565.77 18.00	723.76 12.00	1289.03 12.00	H: 8.30H N: *****	NU: 48	D: RH 101P*	
590.80 81.71	TC 100 -----	539.60 100.00	590.80<= 81.71	689.40 7.20	378.60 6.30	1512.20 6.27	822.50 0.97	1362.10 0.86	H: 17.00S N: 0.06670	NU: 20	D: RU 100	
592.07 1.66	OS 185 -----	646.11 100.00	874.81 8.06	880.27 6.65	717.42 5.37	592.07<= 1.66	162.70 0.81	234.20 0.60	H: 94.00D N: 0.78200	NU: 11	D: RE 185	
592.65 5.40	ER 161 -----	826.55 100.00	211.15 44.88	592.65<= 5.40	76.23 4.86	314.76 4.11	94.13 2.00	864.90 1.98	H: 3.10H N: 0.61500	NU: 96	D: HO 161 *	
593.30 13.00	K 43 -----	372.90 100.00	617.30 87.00	397.00 14.00	593.30<= 13.00	220.00 5.80	1021.80 2.70	989.90 1.00	H: 22.20H N: *****	NU: 12	D: CA 43	
594.00 14.80	AU 184 -----	163.20 100.00	273.10 76.70	361.90 14.80	594.00<= 14.80	777.00 12.80	486.30 11.90	237.00 10.60	H: 47.00S N: *****	NU: 28	D: \$\$\$\$	
595.20 10.00	AS 70 -----	511.01 100.00	1039.60 51.00	744.00 12.97	668.20 12.97	1114.40 12.97	1707.90 11.00	595.20<= 10.00	H: 53.00H N: 0.80200	NU: 67	D: GE 70	
595.83 98.02	AS 74 -----	511.01 100.00	595.83<= 98.02	634.78 24.71	608.43 0.94	1204.35 0.45	635.00 0.06	887.00 0.05	H: 17.90D N: 0.60700	NU: 15	D: GE 74	
596.80 1.79	CD 107 -----	511.01 100.00	828.90 37.50	796.00 14.46	422.60 7.14	898.00 2.68	1130.00 2.14	596.80<= 1.79	H: 6.50H N: 0.00560	NU: 16	D: AG 107P*	
597.70 0.80	RH 98 -----	652.60 100.00	745.40 5.60	1817.00 5.00	1164.40 4.80	762.30 1.80	1414.90 1.20	597.70<= 0.80	H: 8.30H N: *****	NU: 7	D: RU 98	
597.90 12.40	AU 190 -----	296.00 100.00	302.00 33.00	597.90<= 12.40	319.30 6.50	441.50 5.25	1441.20 4.50	1057.90 4.40	H: 39.00H N: *****	NU: 65	D: PT 190	
600.00 13.00	J 118 -----	606.00 100.00	600.00<= 13.00	545.00 13.00	1339.00 9.00	740.00 2.00			H: 14.30H N: *****	NU: 5	D: TE 118 *	
600.50 64.00	IR 194M -----	482.50 100.00	328.50 96.00	600.50<= 64.00	687.80 61.00	338.80 57.00	390.80 36.00	562.40 36.00	H: 171.00D N: *****	NU: 9	D: PT 194	
601.00 100.00	J 120M -----	560.00 100.00	601.00<= 100.00	614.00 81.00	976.00 35.00	1348.00 26.00	1405.00 20.00	1443.00 12.00	H: 40.00H N: *****	NU: 11	D: TE 120	
601.00 7.40	J 120 -----	561.00 100.00	1526.00 20.00	2455.00 16.00	2565.00 14.00	641.00 12.00	601.00<= 7.40	1202.00 1.30	H: 1.35H N: *****	NU: 7	D: TE 120	
601.87 40.60	YB 164 -----	675.20 100.00	445.31 93.80	390.51 78.10	601.87<= 40.60	97.20 40.60	362.79 37.50	401.77 31.30	H: 75.80H N: *****	NU: 8	D: TP 164 *	
602.71 100.00	J 124 -----	602.71<= 100.00	511.01 74.19	1691.04 17.26	722.78 16.45	1509.49 4.95	1376.25 2.76	1325.53 2.37	H: 4.17D N: 0.62000	NU: 31	D: TE 124	
604.40 11.30	IR 192 -----	316.50 100.00	468.06 64.14	295.44 37.04	308.44 35.34	604.40<= 11.30	612.44 7.20	588.57 5.60	H: 74.20D N: 0.76400	NU: 16	D: PT 192	
605.00 0.10	TC 95 -----	765.80 100.00	1074.10 4.00	947.80 0.20	605.00<= 0.10				H: 20.00H N: *****	NU: 4	D: PO 95	
605.20 100.00	LA 134 -----	605.20<= 100.00	1554.90 16.00	1424.70 8.20	1732.10 7.40	1483.60 6.40	563.00 6.00	1210.90 4.10	H: 6.70M N: *****	NU: 33	D: BA 134	
605.20 27.00	AM 238 -----	962.70 100.00	561.10 39.00	605.20<= 27.00	1577.50 11.00	357.70 8.10	941.40 7.30	1266.30 6.20	H: 1.90H N: *****	NU: 23	D: PU 238 *	
605.60 14.60	AU 188 -----	265.60 100.00	339.90 23.50	605.60<= 14.60	405.00 8.20	670.40 7.35	532.90 5.49	1083.90 5.45	H: 8.00M N: *****	NU: 96	D: PT 188 *	
605.70 44.44	CE 135 -----	265.30 100.00	299.85 55.56	605.70<= 44.44	517.10 30.56	571.20 29.44	782.80 23.33	206.36 17.22	H: 17.00H N: 0.18000	NU: 43	D: LA 135 *	
606.00 53.33	KR 79 -----	511.01 100.00	261.40 73.33	397.50 53.33	606.00<= 53.33	306.60 14.67	217.20 12.00	389.10 9.33	H: 34.90H N: 0.15000	NU: 38	D: BR 79	
606.00 100.00	J 118 -----	606.00<= 100.00	600.00 13.00	545.00 13.00	1339.00 9.00	740.00 2.00			H: 14.30H N: *****	NU: 5	D: TE 118 *	
606.40 8.14	AG 112 -----	617.00 100.00	1387.20 12.33	606.40<= 8.14	1613.20 6.74	694.20 6.05	2106.10 5.12	1311.70 2.56	H: 3.15H N: 0.43000	NU: 98	D: CD 112	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER NU: NUMBER OF ENERGIES IN TABLE I	N: NORMAL FACTOR
606.40 23.40	IN 112 -----	618.20 100.00	606.40<= 23.40	1252.60 5.60	1489.00 1.20	1278.00 0.20	5653.00 0.10		H: 14.40M N: *****	NU: 6	D: CD 112
606.60 3.80	CO 105 -----	510.80 100.00	2200.80 46.00	961.10 3.80	1301.80 3.80	606.60<= 3.80	347.10 3.20	1692.90 3.10	H: 55.00M N: *****	NU: 89	D: AG 105 *
607.20 8.50	AU 186 -----	191.50 100.00	298.60 41.00	765.40 17.00	415.50 13.70	798.70 8.60	607.20<= 8.50	1216.20 6.00	H: 12.00M N: *****	NU: 61	D: PT 186 *
607.60 87.00	PT 189 -----	721.40 100.00	607.60<= 87.00	94.34 82.00	568.90 76.00	243.50 75.00	544.90 62.00	141.18 45.00	H: 10.90H N: *****	NU: 99	D: IR 189 *
608.43 0.94	AS 74 -----	511.01 100.00	595.83 98.02	634.78 24.71	608.43<= 0.94	1204.35 0.45	635.00 0.06	887.00 0.05	H: 17.90D N: 0.60700	NU: 15	D: GE 74
609.40 100.00	RA 226 -----	609.40<= 100.00	351.99 81.40	295.22 41.86	1764.70 39.53	1120.40 32.56	241.92 17.21	1238.20 14.88	H: 160.01E N: 0.43000	NU: 62	D: RN 222 *
610.00 190.00	ER 172 -----	610.00<= 100.00	407.30 97.69	68.05 7.92	445.90 7.06	127.68 7.06	383.50 5.53	59.67 5.09	H: 49.00H N: 0.43200	NU: 14	D: TP 172 *
610.86 78.20	IR 187 -----	912.82 100.00	400.90 82.70	610.86<= 78.20	977.40 60.90	177.60 54.60	987.20 54.30	187.40 35.60	H: 11.00H N: *****	NU: 88	D: CS 187
611.10 4.64	PM 148 -----	550.20 100.00	1465.10 78.57	912.00 53.57	611.10<= 4.64				H: 5.40D N: 0.28000	NU: 4	D: SM 148
611.20 26.00	SR 79 -----	188.90 100.00	166.40 73.00	115.70 63.00	559.90 63.00	444.20 37.00	611.20<= 26.00	255.70 8.00	H: 8.10M N: *****	NU: 7	D: RB 79 *
611.26 19.49	EU 148 -----	550.20 100.00	629.90 71.62	611.26<= 19.49	413.90 18.79	553.20 17.27	725.70 12.32	571.90 9.19	H: 54.00D N: 0.99000	NU: 86	D: SW 148
611.50 8.60	PT 186 -----	689.20 100.00	611.50<= 8.60	635.60 5.40	366.70 3.30	210.30 2.60	280.80 2.40	205.40 2.20	H: 2.00H N: *****	NU: 15	D: IR 186 *
612.44 7.20	IR 192 -----	316.50 100.00	468.06 64.14	295.44 37.04	308.44 35.34	604.40 11.30	612.44<= 7.20	588.57 5.60	H: 74.20D N: 0.76400	NU: 16	D: PT 192
612.44 7.48	AU 192 -----	316.49 100.00	295.94 38.50	612.44<= 7.48	308.43 5.97	1723.10 5.44	1423.00 5.15	582.58 4.65	H: 4.10H N: *****	NU: 99	D: PT 192
613.50 2.78	AS 68 -----	511.01 100.00	1016.50 32.83	762.60 11.62	651.20 11.62	1778.70 10.61	613.50<= 2.78	1263.50 1.82	H: 159.00S N: 1.98000	NU: 21	D: GE 68 *
613.80 4.35	PR 135 -----	511.01 100.00	296.12 66.70	82.64 33.30	213.45 31.80	538.20 19.70	697.50 10.50	613.80<= 4.35	H: 22.00M N: *****	NU: 43	D: CE 135 *
613.90 7.61	BR 78 -----	511.01 100.00	613.90<= 7.61	694.80 0.05	1020.30 0.04	884.50 0.04	1720.60 0.03	1922.60 0.03	H: 6.50M N: 1.84000	NU: 20	D: SE 78
614.00 2.80	IN 109 -----	203.30 100.00	623.80 7.10	1148.80 7.00	426.20 5.30	650.10 3.80	1622.50 3.00	614.00<= 2.80	H: 4.30H N: *****	NU: 55	D: CD 109 *
614.00 81.00	J 120M -----	560.00 100.00	601.00 100.00	614.00<= 81.00	976.00 35.00	1348.00 26.00	1405.00 20.00	1443.00 12.00	H: 40.00H N: *****	NU: 11	D: TE 120
614.30 6.81	ER 163 -----	1113.50 100.00	436.10 58.20	439.90 56.30	297.80 23.50	875.80 14.10	339.80 6.81	614.30<= 6.81	H: 75.00M N: *****	NU: 24	D: HO 163 *
615.10 5.57	BR 74 -----	634.60 100.00	728.30 34.70	1269.10 8.14	1249.60 5.83	1714.60 5.83	615.10<= 5.57	219.00 5.14	H: 43.70M N: *****	NU: 61	D: SE 74
615.10 22.00	AG 106M -----	511.01 100.00	450.60 31.00	717.20 30.00	1043.90 30.00	747.50 22.00	615.10<= 22.00	429.00 17.00	H: 8.50D N: *****	NU: 34	D: PD 106
616.00 0.40	AG 106 -----	511.01 100.00	511.80 15.65	622.00 1.30	873.30 0.62	1050.10 0.54	616.00<= 0.40	1127.90 0.23	H: 24.00M N: 1.24000	NU: 13	D: PD 106
616.10 23.60	RH 106M -----	511.70 100.00	1046.70 36.05	716.60 33.72	450.80 27.91	616.10<= 23.60	748.50 22.09	1529.40 20.93	H: 2.20H N: 0.86000	NU: 38	D: PD 106
617.00 100.00	BR 80 -----	617.00<= 100.00	511.01 83.33	665.70 16.67	639.90 3.17	704.10 2.50	1256.60 1.15	813.00 0.50	H: 17.60M N: 0.06000	NU: 7	D: KR 80
617.00 100.00	AG 112 -----	617.00<= 100.00	1387.20 12.33	606.40 8.14	1613.20 6.74	694.20 6.05	2106.10 5.12	1311.70 2.56	H: 3.15H N: 0.43000	NU: 98	D: CD 112
617.30 87.00	K 43 -----	372.90 100.00	617.30<= 87.00	397.00 14.00	593.30 13.00	220.00 5.80	1021.80 2.70	989.90 1.00	H: 22.20H N: *****	NU: 12	D: CA 43
618.00 20.78	RH 99M -----	340.60 100.00	511.01 34.38	1260.70 24.22	618.00<= 20.78	1209.10 20.00	937.40 4.34	528.40 2.95	H: 4.70H N: 0.64000	NU: 29	D: RU 99
618.08 10.57	RH 99 -----	528.52 100.00	353.00 88.00	89.50 81.14	511.01 34.29	322.31 16.20	618.08<= 10.57	175.45 5.06	H: 16.00D N: 0.35000	NU: 37	D: RU 99
618.10 100.00	PM 144 -----	618.10<= 100.00	696.40 99.00	475.70 43.00					H: 1.00A N: 1.00000	NU: 3	D: ND 144
618.20 100.00	IN 112 -----	618.20<= 100.00	606.40 23.40	1252.60 5.60	1489.00 1.20	1278.00 0.20	5653.00 0.10		H: 14.40M N: *****	NU: 6	D: CD 112

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE I	
620.00 56.40	HF 170 -----	123.00 100.00	162.00 89.50	620.00<= 56.40	572.00 45.50	100.00 25.00	347.00 18.60	207.00 18.20	H: 12.00H N: *****	NU: 9		D: LU 170 *
620.60 0.43	AG 111 -----	341.90 100.00	245.60 15.00	96.90 2.38	620.60<= 0.43	866.70 0.14	524.40 0.00		H: 7.45D N: 0.08000	NU: 6		D: CD 111
622.00 1.30	AG 106 -----	511.01 100.00	511.80 15.65	622.00<= 1.30	873.30 0.62	1050.10 0.54	616.00 0.40	1127.90 0.23	H: 24.00H N: 1.24000	NU: 13		D: PD 106
622.00 0.59	PM 141 -----	511.01 100.00	1223.20 2.70	885.80 1.40	194.40 1.20	1344.30 0.76	622.00<= 0.59	1565.00 0.54	H: 20.90H N: *****	NU: 12		D: ND 141
623.80 7.10	IN 109 -----	203.30 100.00	623.80<= 7.10	1148.80 7.00	426.20 5.30	650.10 3.80	1622.50 3.00	614.00 2.80	H: 4.30H N: *****	NU: 55		D: CD 109 *
625.50 75.00	TL 190 -----	416.80 100.00	625.50<= 75.00	730.60 32.00	839.50 23.00	305.00 16.00			H: 3.40H N: *****	NU: 5		D: HG 190 *
625.60 2.70	CD 104 -----	83.50 100.00	709.20 24.50	559.00 8.00	66.70 7.20	625.60<= 2.70	123.70 0.55	150.20 0.17	H: 57.00H N: *****	NU: 7		D: AG 104 *
626.84 25.71	RU 95 -----	336.40 100.00	511.01 42.86	1096.90 31.43	626.84<= 25.71	1178.80 7.57	806.40 6.00	1182.00 5.71	H: 1.65H N: 0.70000	NU: 38		D: TC 95 *
627.70 35.37	Y 86 -----	1076.00 100.00	1153.00 36.59	627.70<= 35.37	1920.00 30.49	778.50 25.61	1854.50 21.95	442.00 21.95	H: 14.74H N: 0.82000	NU: 78		D: SR 86
628.05 8.74	RH 102M -----	475.06 100.00	631.29 58.95	697.49 46.32	766.84 35.79	1046.59 35.79	418.50 9.89	628.05<= 8.74	H: 2.90A N: 0.95000	NU: 15		D: RU 102
628.05 9.78	RH 102 -----	475.06 100.00	511.01 54.35	628.05<= 9.78	468.58 6.30	1103.16 6.30	556.60 4.35	680.66 1.26	H: 206.00D N: 0.46000	NU: 25		D: RU 102
629.80 1.04	CS 132 -----	667.50 100.00	464.50 1.92	629.80<= 1.04	505.80 0.82	1135.60 0.52	511.01 0.37	566.90 0.25	H: 6.47D N: 0.99000	NU: 14		D: XE 132
629.90 95.65	PM 148M -----	550.20 100.00	629.90<= 95.65	725.70 34.78	915.40 21.74	1013.80 21.74	414.10 19.57	288.00 13.04	H: 41.80D N: 0.92000	NU: 13		D: SM 148
629.90 71.62	EU 148 -----	550.20 100.00	629.90<= 71.62	611.26 19.49	413.90 18.79	553.20 17.27	725.70 12.32	571.90 9.19	H: 54.00D N: 0.99000	NU: 86		D: SM 148
629.93 10.20	AS 72 -----	834.00 100.00	629.93<= 10.20	1464.00 1.43	1050.76 1.23	894.27 0.99	2105.90 0.93	2201.74 0.65	H: 26.00H N: *****	NU: 60		D: GE 72
630.30 62.00	IR 186M -----	137.10 100.00	767.30 67.00	630.30<= 62.00	296.90 46.00	773.10 40.00	987.10 30.00	636.20 22.00	H: 1.70H N: *****	NU: 8		D: CS 186
630.70 78.00	RH 96 -----	684.60 100.00	832.30 100.00	630.70<= 78.00	741.20 32.00	1228.40 16.00	1164.40 6.20	1738.50 5.40	H: 9.50M N: *****	NU: 20		D: RU 96
631.10 13.30	TB 148 -----	783.40 100.00	511.00 44.00	489.10 29.50	1077.10 13.80	631.10<= 13.30	1860.10 6.52	1401.40 2.50	H: 70.00H N: *****	NU: 59		D: GD 148 *
631.29 58.95	RH 102M -----	475.06 100.00	631.29<= 58.95	697.49 46.32	766.84 35.79	1046.59 35.79	418.50 9.89	628.05 8.74	H: 2.90A N: 0.95000	NU: 15		D: RU 102
632.80 67.00	IN 106 -----	511.01 100.00	1716.50 87.00	632.80<= 67.00	225.20 66.00	861.80 18.00	998.50 6.00	1009.60 4.00	H: 5.38H N: *****	NU: 33		D: CD 106
634.60 100.00	BR 74 -----	634.60<= 100.00	728.30 34.70	1269.10 8.14	1249.60 5.83	1714.60 5.83	615.10 5.57	219.00 5.14	H: 43.70H N: *****	NU: 61		D: SE 74
634.78 24.71	AS 74 -----	511.01 100.00	595.83 98.02	634.78<= 24.71	608.43 0.94	1204.35 0.45	635.00 0.06	887.00 0.05	H: 17.90D N: 0.60700	NU: 15		D: GE 74
634.80 85.89	IR 188 -----	155.00 100.00	634.80<= 85.89	478.00 47.85	2214.60 38.34	312.00 23.93	1210.30 20.28	829.50 19.85	H: 41.50H N: 0.32600	NU: 75		D: OS 188
635.00 0.06	AS 74 -----	511.01 100.00	595.83 98.02	634.78 24.71	608.43 0.94	1204.35 0.45	635.00<= 0.06	887.00 0.05	H: 17.90D N: 0.60700	NU: 15		D: GE 74
635.60 5.40	PT 186 -----	689.20 100.00	611.50 8.60	635.60<= 5.40	366.70 3.30	210.30 2.60	260.80 2.40	205.40 2.20	H: 2.00H N: *****	NU: 15		D: IR 186 *
635.90 1.78	PR 138M -----	788.90 100.00	1038.10 100.00	302.60 81.70	511.01 63.00	390.90 6.05	547.80 5.22	635.90<= 1.78	H: 2.10H N: *****	NU: 51		D: CE 138
636.20 22.00	IR 186M -----	137.10 100.00	767.30 67.00	630.30 62.00	296.90 46.00	773.10 40.00	987.10 30.00	636.20<= 22.00	H: 1.70H N: *****	NU: 8		D: CS 186
636.20 7.70	IR 186 -----	296.90 100.00	434.60 46.10	773.10 13.10	636.20<= 7.70	767.30 7.19	584.40 6.73	933.20 6.73	H: 15.00H N: *****	NU: 82		D: CS 186
636.80 95.30	TL 198M -----	411.70 100.00	636.80<= 95.30	587.40 89.70	282.70 52.50	226.40 14.10	489.60 8.60	259.90 7.80	H: 1.87H N: *****	NU: 63		D: TL 198 *
636.80 13.40	TL 198 -----	411.70 100.00	636.80<= 13.40	675.90 12.80	2040.90 11.00	1200.50 9.60	1420.30 9.10	1311.90 4.90	H: 5.30H N: *****	NU: 65		D: HG 198
636.90 3.31	ZN 62 -----	40.87 100.00	548.29 62.22	243.41 10.31	393.84 9.24	247.02 8.27	260.41 5.96	636.90<= 3.31	H: 9.75M N: 0.22500	NU: 9		D: NI 62

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF	D: DAUGHTER ENERGIES IN	N: NORMAL FACTOR TABLE 1
638.00 100.00	TB 150M -----	638.00<=	650.40	438.40	827.50	343.10	496.30	566.50	H: 5.80M N: *****	NU:18	D:GD 150	
639.00 36.00	PR 134 -----	639.00<=	557.00	966.00	383.00				H: 17.00M N: *****	NU: 5	D:CE 134 *	
639.00 11.00	RE 181 -----	639.00<=	953.60	1000.20	805.20	661.80			H: 19.00M N: *****	NU:99	D:W 181 *	
639.30 68.20	TL 194 -----	639.30<=	749.00	735.00	255.40	645.20	510.90		H: 33.00M N: *****	NU:34	D:HG 194	
639.90 3.17	BR 80 -----	639.90<=	704.10	1256.60	813.00				H: 17.60M N: 0.06000	NU: 7	D:KR 80	
641.00 12.00	J 120 -----	641.00<=	601.00	1202.00					H: 1.35M N: *****	NU: 7	D:TE 120	
641.60 38.00	IN 110M -----	641.60<=	997.50	581.60	584.20	461.00			H: 4.90M N: *****	NU:42	D:CD 110	
641.80 5.20	RE 184 -----	641.80<=	769.70						H: 38.00D N: 0.38100	NU:17	D:W 184	
644.55 27.66	AG 105 -----	644.55<=	63.98	331.51	319.16				H: 40.00D N: 0.42300	NU:34	D:PD 105	
645.20 5.46	TL 194 -----	645.20<=	510.90						H: 33.00M N: *****	NU:34	D:HG 194	
646.11 100.00	OS 185 -----	646.11<=	874.81	880.27	717.42	592.07	162.70	234.20	H: 94.00D N: 0.78200	NU:11	D:RE 185	
650.10 3.80	IN 109 -----	650.10<=	1622.50	614.00					H: 4.30M N: *****	NU:55	D:CD 109 *	
650.40 70.00	TB 150M -----	650.40<=	438.40	827.50	343.10	496.30	566.50		H: 5.80M N: *****	NU:18	D:GD 150	
651.20 11.62	AS 68 -----	651.20<=	1778.70	613.50	1263.50				H: 159.00S N: 1.98000	NU:21	D:GE 68 *	
652.60 100.00	RH 98 -----	652.60<=	745.40	1817.00	1164.40	762.30	1414.90	597.70	H: 8.30M N: *****	NU: 7	D:RU 98	
652.80 100.00	MO 91M -----	652.80<=	1507.60	1208.00	2240.70	2238.50	1032.80	1082.30	H: 1.02M N: 0.45600	NU:10	D:PO 91 *	
656.01 8.00	CU 61 -----	656.01<=	67.60	1185.00	373.60	588.60			H: 3.35M N: 1.20000	NU:25	D:NI 61	
657.00 10.53	BR 76 -----	657.00<=	1852.50	1216.30	2949.00	2793.40			H: 16.00M N: 1.33000	NU:99	D:SE 76	
657.49 35.36	PB 202M -----	657.49<=	490.47	459.72	389.94				H: 3.62M N: 0.93900	NU:17	D:PB 202 *	
657.70 100.00	AG 110 -----	657.70<=	815.50	1125.90	295.90	1674.90	1784.40	1474.50	H: 24.60S N: 0.04500	NU:12	D:CD 110	
657.70 6.00	IN 121 -----	657.70<=	260.00						H: 25.00S N: *****	NU: 3	D:SN 121 *	
661.50 11.80	MN 50 -----	661.50<=	1944.50						H: 1.75M N: 2.00000	NU:15	D:CR 50	
661.70 30.00	PD 98 -----	661.70<=	67.70	174.40					H: 17.90M N: *****	NU:10	D:RH 98 *	
661.80 5.20	RE 181 -----	661.80<=	805.20	661.80<=					H: 19.00M N: *****	NU:99	D:W 181 *	
662.00 76.00	HF 171 -----	662.00<=	123.00	469.00	347.00	295.00	137.00		H: 12.00M N: *****	NU:14	D:LU 171 *	
663.00 52.80	PD 98 -----	663.00<=	106.80	837.90	661.70	67.70	174.40		H: 17.90M N: *****	NU:10	D:RH 98 *	
663.00 11.76	LA 132 -----	663.00<=	1909.00	663.00<=	1031.00	540.00			H: 4.50M N: 0.74000	NU:99	D:BA 132	
663.80 30.00	RB 78 -----	663.80<=	726.00	1141.70					H: 6.00M N: *****	NU: 5	D:KR 78	
665.70 16.67	BR 80 -----	665.70<=	704.10	1256.60	813.00				H: 17.60M N: 0.06000	NU: 7	D:KR 80	
666.20 88.24	J 126 -----	666.20<=	753.80	491.90	511.01	880.30	1420.20		H: 12.80D N: 0.34000	NU: 9	D:TE 126	
667.10 45.95	GE 64 -----	667.10<=	128.20	774.50	384.10	85.70	42.80		H: 63.00S N: 0.37000	NU: 7	D:GA 64	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
667.50 100.00	CS 132	667.50<= 100.00	464.50 1.92	629.80 1.04	505.80 0.82	1135.60 0.52	511.01 0.37	566.90 0.25	H: 6.47D N: 0.99000	NU: 14	D: XE 132	
668.20 12.97	AS 70	511.01 100.00	1035.60 51.00	744.00 12.97	668.20<= 12.97	1114.40 12.97	1707.90 11.00	595.20 10.00	H: 53.00H N: 0.80200	NU: 167	D: GE 70	
668.46 97.49	J 130	536.08 100.00	668.46<= 97.49	739.45 82.06	418.00 31.86	1157.25 12.83	586.10 1.54	686.06 0.92	H: 12.30H N: 0.99800	NU: 24	D: XE 130	
669.70 47.74	ZN 63	511.01 100.00	669.70<= 47.74	962.00 3.74	1411.90 0.41	450.00 0.13	1391.60 0.08	1123.70 0.07	H: 37.85H N: 1.86000	NU: 147	D: CU 63 *	
670.10 3.37	RH 107	302.80 100.00	392.50 13.28	312.20 7.27	348.20 3.44	321.80 3.43	670.10<= 3.37	367.30 2.90	H: 22.00H N: 0.65900	NU: 31	D: PD 107	
670.20 25.85	ZN 60	511.01 100.00	670.20<= 25.85	61.50 10.26	273.40 4.51	334.40 3.76	364.60 1.36	572.40 1.06	H: 2.33H N: 1.95000	NU: 8	D: CU 60 *	
670.40 7.35	AU 188	265.60 100.00	339.90 23.50	605.60 14.60	405.00 8.20	670.40<= 7.35	532.90 5.49	1083.90 5.45	H: 8.00H N: *****	NU: 196	D: PT 188 *	
670.50 10.50	BI 204	899.10 100.00	374.40 80.40	984.00 57.20	911.90 26.20	670.50<= 10.50	439.80 3.58	791.10 2.95	H: 11.20H N: *****	NU: 199	D: PB 204	
673.00 19.00	PD 99	136.40 100.00	263.50 28.00	673.00<= 19.00	399.60 6.60	386.00 5.80	785.00 5.00	427.50 4.30	H: 22.00H N: *****	NU: 12	D: RH 99 *	
673.10 44.36	TH 166	779.90 100.00	2053.90 88.24	184.20 81.37	1275.20 68.63	704.40 55.88	786.60 49.51	673.10<= 44.36	H: 7.70H N: 0.20400	NU: 177	D: EP 166	
675.20 100.00	YB 164	675.20<= 100.00	445.31 93.80	390.51 78.10	601.87 40.60	97.20 40.60	362.79 37.50	401.77 31.30	H: 75.80H N: *****	NU: 8	D: TH 164 *	
675.87 1.06	AU 198	411.79 100.00	675.87<= 1.06	1087.66 0.19					H: 64.71H N: 0.95500	NU: 3	D: HG 198	
675.90 12.80	TL 198	411.70 100.00	636.80 13.40	675.90<= 12.80	2040.90 11.00	1200.50 9.60	1420.30 9.10	1311.90 4.90	H: 5.30H N: *****	NU: 165	D: HG 198	
676.20 41.00	TL 193	324.20 100.00	1047.70 54.00	344.10 44.00	676.20<= 41.00	335.30 27.00	284.60 22.00	207.80 21.00	H: 21.60H N: *****	NU: 7	D: HG 193 *	
679.00 100.00	AM 246	679.00<= 100.00	205.00 68.00	153.50 48.00	756.00 25.00	834.00 10.00	99.20 9.00	781.00 7.50	H: 40.00H N: *****	NU: 11	D: CH 246 *	
680.50 0.91	PB 203	279.16 100.00	401.32 4.57	680.50<= 0.91					H: 52.10H N: 0.80900	NU: 3	D: TL 203	
680.66 1.26	RH 102	475.06 100.00	511.01 54.35	628.05 9.78	468.58 6.30	1103.16 6.30	556.60 4.35	680.66<= 1.26	H: 206.00D N: 0.46000	NU: 125	D: PU 102	
683.50 0.65	J 122	511.01 100.00	564.00 12.75	692.60 0.94	793.00 0.94	683.50<= 0.65	1747.10 0.23	2188.00 0.20	H: 3.50H N: *****	NU: 148	D: TE 122	
684.60 100.00	RH 96	684.60<= 100.00	832.30 100.00	630.70 78.00	741.20 32.00	1228.40 16.00	1164.40 6.20	1738.50 5.40	H: 9.50H N: *****	NU: 120	D: RU 96	
684.70 92.00	MO 93H	1477.20 100.00	684.70<= 92.00	263.10 53.00	1364.70 0.94	113.90 0.70	947.87 0.20		H: 6.90H N: *****	NU: 6	D: MO 93 *	
686.06 0.92	J 130	536.08 100.00	668.46 97.49	739.45 82.06	418.00 31.86	1157.25 12.83	586.10 1.54	686.06<= 0.92	H: 12.30H N: 0.99800	NU: 24	D: XE 130	
686.10 0.51	CS 130	511.01 100.00	536.00 4.37	686.10<= 0.51	894.00 0.46	1614.60 0.27	1687.30 0.20	1996.30 0.17	H: 29.10H N: *****	NU: 117	D: XE 130	
687.50 82.00	RB 79	153.40 100.00	687.50<= 82.00	143.40 55.00	351.20 40.00	397.80 30.00	303.10 26.00	182.50 19.00	H: 22.10H N: *****	NU: 118	D: KR 79 *	
687.60 3.37	PD 207	992.30 100.00	742.60 48.40	911.80 29.90	405.70 16.80	1148.30 10.20	687.60<= 3.37	345.20 3.31	H: 5.70H N: *****	NU: 139	D: BI 207 *	
687.80 61.00	IR 194H	482.50 100.00	328.50 96.00	600.50 64.00	687.80<= 61.00	338.80 57.00	390.80 36.00	562.40 36.00	H: 171.00D N: *****	NU: 9	D: PT 194	
688.20 33.00	PR 138	788.80 100.00	688.20<= 33.00	1551.50 17.00	1447.90 4.80	1510.50 3.70	1431.00 3.40	2237.00 3.20	H: 1.50H N: *****	NU: 12	D: CE 138	
689.20 100.00	PT 186	689.20<= 100.00	611.50 8.60	635.60 5.40	366.70 3.30	210.30 2.60	280.80 2.40	205.40 2.20	H: 2.00H N: *****	NU: 115	D: IR 186 *	
689.40 7.20	TC 100	539.60 100.00	590.80 81.71	689.40<= 7.20	378.60 6.30	1512.20 6.27	822.50 0.97	1362.10 0.86	H: 17.00S N: 0.06670	NU: 120	D: RU 100	
690.40 0.81	ZY 61	511.01 100.00	475.20 8.08	1660.50 3.74	970.00 1.21	1185.40 0.81	690.40<= 0.81	1997.10 0.61	H: 86.00S N: 1.98000	NU: 147	D: CU 61 *	
691.30 0.43	SI 33	1847.70 100.00	1431.40 15.00	2539.00 9.60	416.30 8.70	1107.60 0.87	691.30<= 0.43		H: 6.30S N: *****	NU: 6	D: P 33 *	
692.00 28.48	MN 57	122.06 100.00	692.00<= 28.48	136.47 11.52	353.00 10.89	1613.00 3.47	569.00 2.10	367.00 1.90	H: 1.70H N: 0.09550	NU: 13	D: FE 57	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
692.10 0.18	CO 57 -----	122.06 100.00	136.47 13.41	14.41 11.18	692.10<= 0.18	570.10 0.02	706.60 0.01	339.70 0.00		H: 271.60D N: 0.85000	NU: 10	D: FE 57
692.60 0.94	J 122 -----	511.01 100.00	564.00 12.75	692.60<= 0.94	793.00 0.94	683.50 0.65	1747.10 0.23	2188.00 0.20		H: 3.50H N: *****	NU: 48	D: TE 122
694.20 6.05	AG 112 -----	617.00 100.00	1387.20 12.33	606.40 8.14	1613.20 6.74	694.20<= 6.05	2106.10 5.12	1311.70 2.56		H: 3.15H N: 0.43000	NU: 98	D: CD 112
694.50 40.80	TB 147 -----	1153.00 100.00	139.80 44.93	694.50<= 40.80	511.01 13.47	119.70 8.93	554.90 5.07	2684.00 4.53		H: 24.00H N: 0.75000	NU: 18	D: GD 147 *
694.80 0.05	BR 78 -----	511.01 100.00	613.90 7.61	694.80<= 0.05	1020.30 0.04	884.50 0.04	1720.60 0.03	1922.60 0.03		H: 6.50H N: 1.84000	NU: 20	D: SE 78
695.00 10.20	PB 197H -----	385.60 100.00	222.40 17.90	773.00 13.80	895.00 11.80	695.00<= 10.20	375.30 8.93	957.00 7.32		H: 42.00H N: *****	NU: 17	D: TL 197 *
696.40 99.00	PH 144 -----	618.10 100.00	696.40<= 99.00	475.70 43.09						H: 1.00A N: 1.00000	NU: 3	D: ND 144
697.20 36.90	LU 172 -----	900.60 100.00	372.50 79.37	809.90 71.03	1093.40 69.60	528.22 59.84	410.31 53.65	697.20<= 36.90		H: 6.70D N: *****	NU: 78	D: YB 172
697.49 46.32	RH 102H -----	475.06 100.00	631.29 58.95	697.49<= 46.32	766.84 35.79	1046.59 35.79	418.50 9.89	628.05 8.74		H: 2.90A N: 0.95000	NU: 15	D: RU 102
697.50 10.50	PR 135 -----	511.01 100.00	296.12 66.70	82.64 33.30	213.45 31.80	538.20 19.70	697.50<= 10.50	613.80 4.35		H: 22.00H N: *****	NU: 43	D: CE 135 *
697.80 0.37	IN 119 -----	763.10 100.00	1214.80 0.47	697.80<= 0.37	1273.00 0.19	944.00 0.09				H: 2.30H N: *****	NU: 5	D: SN 119
698.00 63.00	AU 193 -----	186.17 100.00	255.57 67.00	698.00<= 63.00	268.22 39.00	173.52 29.00	430.04 19.00	110.28 15.00		H: 17.50H N: *****	NU: 59	D: PT 193
702.00 14.80	TA 173 -----	172.00 100.00	162.00 66.70	181.00 18.50	702.00<= 14.80					H: 3.50H N: *****	NU: 4	D: HF 173 *
702.60 93.00	TC 94 -----	916.20 100.00	849.70 93.00	870.90 93.00	702.60<= 93.00	511.01 20.60	440.00 2.50	531.60 1.10		H: 4.90H N: *****	NU: 11	D: MO 94
703.40 100.00	BI 205 -----	703.40<= 100.00	1764.27 93.10	987.56 53.40	1043.66 23.90	1861.69 17.50	579.78 16.80	570.58 13.20		H: 15.31D N: *****	NU: 79	D: PB 205 *
704.00 0.45	SB 120 -----	511.01 100.00	1171.50 4.12	704.00<= 0.45	989.10 0.19					H: 15.50H N: 1.02000	NU: 4	D: SN 120
704.10 2.50	BR 90 -----	617.00 100.00	511.01 83.33	665.70 16.67	639.90 3.17	704.10<= 2.50	1256.60 1.15	813.00 0.50		H: 17.60H N: 0.06000	NU: 7	D: KR 60
704.40 55.88	TM 166 -----	779.90 100.00	2053.90 88.24	184.20 81.37	1275.20 68.63	704.40<= 55.88	786.60 49.51	673.10 44.36		H: 7.70H N: 0.20400	NU: 77	D: ER 166
704.50 12.60	PB 211 -----	404.90 100.00	832.00 99.30	427.00 45.00	766.40 18.50	704.50<= 12.60	1109.50 3.83	65.50 2.00		H: 36.10H N: *****	NU: 30	D: BI 211 *
706.60 0.01	CO 57 -----	122.06 100.00	136.47 13.41	14.41 11.18	692.10 0.18	570.10 0.02	706.60<= 0.01	339.70 0.00		H: 271.60D N: 0.85000	NU: 10	D: FE 57
706.80 46.00	IN 110H -----	937.50 100.00	706.80<= 46.00	641.60 38.00	997.50 15.00	581.60 10.00	584.20 10.00	461.00 8.00		H: 4.90H N: *****	NU: 42	D: CD 110
708.00 14.00	ND 139H -----	114.00 100.00	511.01 100.00	984.00 24.00	740.00 21.00	327.00 20.00	708.00<= 14.00			H: 5.50H N: *****	NU: 6	D: ND 139 *
708.30 30.00	PB 195H -----	383.80 100.00	708.30<= 30.00	394.30 26.00	313.30 4.70	466.00 3.10	99.00 0.50			H: 17.00H N: *****	NU: 6	D: TL 195 *
709.20 24.50	CD 104 -----	83.50 100.00	709.20<= 24.50	559.00 8.00	66.70 7.20	625.60 2.70	123.70 0.55	150.20 0.17		H: 57.00H N: *****	NU: 7	D: AG 104 *
709.20 59.00	PT 167 -----	106.40 100.00	201.40 81.50	110.00 65.20	284.90 62.60	186.80 59.30	709.20<= 59.00	304.80 49.10		H: 2.30H N: *****	NU: 47	D: IR 167 *
710.49 21.33	TA 176 -----	1159.30 100.00	201.84 24.36	1224.90 23.17	1584.00 22.02	710.49<= 21.33	1696.50 19.50	1823.60 18.72		H: 8.00H N: 0.21800	NU: 99	D: HF 176
713.40 100.00	AU 189 -----	713.40<= 100.00	813.10 58.30	348.10 55.90	447.80 54.40	166.30 41.30	528.70 41.10	441.70 34.40		H: 29.70H N: *****	NU: 24	D: PT 189 *
716.00 12.96	PM 150 -----	334.00 100.00	1165.00 14.79	1331.00 14.79	716.00<= 12.96	831.00 10.00	402.00 6.48	877.00 6.06		H: 2.68H N: 0.71000	NU: 8	D: SM 150
716.60 33.72	RH 106H -----	511.70 100.00	1046.70 36.05	716.60<= 33.72	450.80 27.91	616.10 23.60	748.50 22.09	1529.40 20.93		H: 2.20H N: 0.86000	NU: 38	D: PD 106
717.20 30.00	AG 106H -----	511.01 100.00	450.60 31.00	717.20<= 30.00	1043.00 30.00	747.50 22.00	615.10 22.00	429.00 17.00		H: 8.50D N: *****	NU: 34	D: PD 106
717.42 5.37	OS 185 -----	646.11 100.00	874.81 8.06	880.27 6.65	717.42<= 5.37	592.07 1.66	162.70 0.81	234.20 0.60		H: 94.00D N: 0.78200	NU: 11	D: RE 185

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE 1
719.40 59.42	AG 102 -----	556.70 100.00	719.40<= 59.42	1522.70 27.54	1744.50 17.68	1581.60 14.06	835.40 14.06	1257.10 13.04	H: 13.00H N: *****	NU: 21	D: PD 102
719.60 0.09	TI 45 -----	511.01 100.00	719.60<= 0.09	1408.10 0.05	1660.90 0.02	425.00 0.01	1236.50 0.01	974.00 0.00	H: 3.08H N: 1.68000	NU: 13	D: SC 45
719.70 14.20	TC 96M -----	778.30 100.00	1200.30 55.80	849.80 18.50	480.70 17.30	719.70<= 14.20	967.30 6.60	1458.30 6.31	H: 51.50H N: *****	NU: 15	D: TC 96 *
720.30 23.42	TM 168 -----	198.20 100.00	815.90 95.97	447.40 47.02	184.20 33.01	741.30 24.18	720.30<= 23.42	821.10 22.46	H: 93.10D N: 0.52100	NU: 31	D: ER 168
721.40 100.00	PT 189 -----	721.40<= 100.00	607.60 87.00	94.34 82.00	568.90 76.00	243.50 75.00	544.90 62.00	141.18 45.00	H: 10.90H N: *****	NU: 99	D: IR 189 *
722.78 16.45	J 124 -----	602.71 100.00	511.01 74.19	1691.04 17.26	722.78<= 16.45	1509.49 4.95	1376.25 2.76	1325.53 2.37	H: 4.17D N: 0.62000	NU: 31	D: TE 124
723.76 12.00	PD 101 -----	256.25 100.00	590.36 62.00	269.66 30.90	24.40 20.30	565.77 18.00	723.76<= 12.00	1289.03 12.00	H: 8.30H N: *****	NU: 48	D: RH 101P*
725.70 34.78	PM 148M -----	550.20 100.00	629.90 95.65	725.70<= 34.78	915.40 21.74	1013.80 21.74	414.10 19.57	288.00 13.04	H: 41.80D N: 0.92000	NU: 13	D: SP 148
725.70 12.32	EU 148 -----	550.20 100.00	629.90 71.62	611.26 19.49	413.90 18.79	553.20 17.27	725.70<= 12.32	571.90 9.19	H: 54.00D N: 0.99000	NU: 86	D: SH 148
726.00 10.00	RB 78 -----	455.60 100.00	103.10 66.00	663.80 30.00	726.00<= 10.00	1141.70 9.00			H: 6.00H N: *****	NU: 5	D: KR 78
727.15 100.00	BI 212 -----	727.15<= 100.00	1620.54 23.24	785.40 16.86	39.86 16.54	1078.62 8.16	893.41 5.57	452.80 5.35	H: 60.60H N: 0.18500	NU: 19	D: PO 212 *
728.10 5.80	IN 107 -----	205.00 100.00	505.40 26.50	320.90 20.00	1268.40 9.00	365.60 7.40	728.10<= 5.80	809.00 5.00	H: 32.00H N: *****	NU: 98	D: CO 107 *
728.30 34.70	BR 74 -----	634.60 100.00	728.30<= 34.70	1269.10 8.14	1249.60 5.83	1714.60 5.83	615.10 5.57	219.00 5.14	H: 43.70H N: *****	NU: 61	D: SE 74
730.60 32.00	TL 190 -----	416.80 100.00	625.50 75.00	730.60<= 32.00	839.50 23.00	305.00 16.00			H: 3.40H N: *****	NU: 5	D: HG 190 *
731.20 43.00	PT 184 -----	154.90 100.00	182.90 94.00	548.40 77.00	731.20<= 43.00	216.50 17.00	92.60 16.00	394.60 16.00	H: 17.30H N: *****	NU: 32	D: IR 184 *
734.46 4.27	AM 246M -----	1078.90 100.00	798.83 90.91	1062.07 62.73	1036.03 47.27	833.62 6.64	1085.10 5.64	734.46<= 4.27	H: 25.00H N: *****	NU: 80	D: CP 246
734.60 0.22	KR 77 -----	511.01 100.00	129.70 52.91	146.50 24.94	312.10 2.15	276.10 1.96	106.00 0.82	734.60<= 0.22	H: 1.20H N: 1.58000	NU: 28	D: BR 77 *
735.00 13.20	TL 194 -----	428.20 100.00	639.30 68.20	749.00 45.50	735.00<= 13.20	255.40 5.46	645.20 5.46	510.90 5.00	H: 33.00H N: *****	NU: 34	D: HG 194
739.45 82.06	J 130 -----	536.08 100.00	668.46 97.49	739.45<= 82.06	418.00 31.86	1157.25 12.83	586.10 1.54	686.06 0.92	H: 12.30H N: 0.99800	NU: 24	D: XE 130
740.00 2.00	J 118 -----	606.00 100.00	600.00 13.00	545.00 13.00	1339.00 9.00	740.00<= 2.00			H: 14.30H N: *****	NU: 5	D: TE 118 *
740.00 21.00	ND 139M -----	114.00 100.00	511.01 100.00	984.00 24.00	740.00<= 21.00	327.00 20.00	708.00 14.00		H: 5.50H N: *****	NU: 6	D: ND 139 *
740.00 37.00	HJ 170M -----	932.00 100.00	853.00 70.00	182.00 67.00	889.00 57.00	1139.00 57.00	786.00 47.00	740.00<= 37.00	H: 2.90H N: *****	NU: 10	D: HO 170 *
741.20 32.00	RH 96 -----	684.60 100.00	832.30 100.00	630.70 78.00	741.20<= 32.00	1228.40 16.00	1164.40 6.20	1738.50 5.40	H: 9.50H N: *****	NU: 20	D: RU 96
741.30 24.18	TM 168 -----	198.20 100.00	815.90 95.97	447.40 47.02	184.20 33.01	741.30<= 24.18	720.30 23.42	821.10 22.46	H: 93.10D N: 0.52100	NU: 31	D: ER 168
742.00 100.00	PM 143 -----	742.00<= 100.00							H: 266.00D N: 0.38500	NU: 1	D: ND 143
742.60 48.40	PD 207 -----	992.30 100.00	742.60<= 48.40	911.80 29.90	405.70 16.80	1148.30 10.20	687.60 3.37	345.20 3.31	H: 5.70H N: *****	NU: 39	D: BI 207 *
743.00 9.50	PA 234M -----	1001.20 100.00	766.60 34.30	743.00<= 9.50	257.90 8.00	786.40 5.75	1738.20 2.00	1831.50 1.83	H: 1.18M N: *****	NU: 63	D: U 234
744.00 12.97	AS 70 -----	511.01 100.00	1039.60 51.00	744.00<= 12.97	668.20 12.97	1114.40 12.97	1707.90 11.00	595.20 10.00	H: 53.00H N: 0.80200	NU: 67	D: GE 70
744.20 85.00	MN 52 -----	1434.40 100.00	744.20<= 85.00	935.60 84.00	511.01 55.00	1332.80 5.10	1247.00 4.70	848.40 3.20	H: 5.67D N: 1.00000	NU: 14	D: CR 52
745.40 5.60	RH 98 -----	652.60 100.00	745.40<= 5.60	1817.00 5.00	1164.40 4.80	762.30 1.80	1414.90 1.20	597.70 0.80	H: 8.30M N: *****	NU: 7	D: RU 98
747.50 22.00	AG 106M -----	511.01 100.00	450.60 31.00	717.20 30.00	1043.90 30.00	747.50<= 22.00	615.10 22.00	429.00 17.00	H: 8.50D N: *****	NU: 34	D: PD 106

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN	D: DAUGHTER NU: NUMBER OF ENERGIES IN	N: NORMAL FACTOR TABLE 1
748.20 14.79	GD 149 -----	149.60 100.00	298.50 54.17	346.50 43.75	748.20<= 14.79	430.00 14.17	788.60 12.71	272.00 6.25	H: 9.40D N: 0.48000	NU: 25		D: EU 149 *
748.50 22.09	RH 106M -----	511.70 100.00	1046.70 36.05	716.60 33.72	450.80 27.91	616.10 23.60	748.50<= 22.09	1529.40 20.93	H: 2.2CH N: 0.96000	NU: 38		D: PD 106
749.00 45.50	TL 194 -----	428.20 100.00	639.30 68.20	749.00<= 45.50	735.00 13.20	255.40 5.46	645.20 5.46	510.90 5.00	H: 33.00M N: *****	NU: 34		D: HG 194
750.50 4.60	Y 94 -----	918.20 100.00	1139.10 20.00	550.10 8.40	1668.60 6.20	750.50<= 4.60	381.80 3.20	1915.61 2.80	H: 19.40M N: 0.50000	NU: 15		D: ZR 94
751.80 4.54	GA 65 -----	511.01 100.00	115.10 30.60	61.10 6.56	153.00 4.97	751.80<= 4.54	53.80 2.73	206.90 1.42	H: 15.20M N: 1.83000	NU: 74		D: ZN 65 *
751.80 6.00	PR 140 -----	1596.50 100.00	306.90 37.00	751.80<= 6.00	924.24 5.20	2521.70 2.78	1420.30 1.80	2348.30 1.63	H: 3.40M N: *****	NU: 17		D: CE 140
753.80 11.47	J 126 -----	388.50 100.00	666.20 89.24	753.80<= 11.47	491.90 6.18	511.01 2.56	880.30 1.88	1420.20 0.85	H: 12.80D N: 0.34000	NU: 9		D: TE 126
754.00 100.00	CE 139M -----	754.00<= 100.00							H: 56.6CS N: 0.93000	NU: 1		D: CE 139 *
754.50 0.24	AL 29 -----	1273.50 100.00	2425.70 6.04	2027.80 3.74	1152.40 0.90	754.50<= 0.24	397.90 0.03	1795.70 0.02	H: 6.60M N: 0.91000	NU: 8		D: SI 29
756.00 25.00	AM 246 -----	679.00 100.00	205.00 68.00	153.50 48.00	756.00<= 25.00	834.00 10.00	99.20 9.00	781.00 7.50	H: 40.00M N: *****	NU: 11		D: CM 246 *
758.90 0.05	AU 196 -----	355.70 100.00	332.90 26.60	426.00 7.66	1091.30 0.17	758.90<= 0.05	521.30 0.04	393.40 0.01	H: 6.18D N: 0.94000	NU: 16		D: PT 196
761.00 1.89	SN 111 -----	511.01 100.00	1152.00 3.09	761.00<= 1.89	1914.00 1.89	1610.00 1.39	1541.00 0.90	2099.00 0.46	H: 35.50M N: 0.54000	NU: 9		D: IN 111 *
762.30 1.80	RH 98 -----	652.60 100.00	745.40 5.60	1817.00 5.00	1164.40 4.80	762.30<= 1.80	1414.90 1.20	597.70 0.80	H: 8.30M N: *****	NU: 7		D: RU 98
762.60 11.62	AS 68 -----	511.01 100.00	1016.50 32.83	762.60<= 11.62	651.20 11.62	1778.70 10.61	613.50 2.78	1263.50 1.82	H: 159.00S N: 1.98000	NU: 21		D: GE 68 *
762.90 61.31	SR 83 -----	511.01 100.00	762.90<= 61.31	381.40 35.04	418.40 10.80	423.10 4.09	1562.40 3.80	778.20 2.92	H: 32.40M N: 0.68500	NU: 73		D: RB 83 *
763.10 100.00	IN 119 -----	763.10<= 100.00	1214.80 0.47	697.80 0.37	1273.00 0.19	944.00 0.09			H: 2.30M N: *****	NU: 5		D: SN 119
763.13 1.80	TL 208 -----	2614.60 100.00	583.06 86.00	510.80 23.00	860.37 12.00	277.35 6.90	763.13<= 1.80	252.60 0.80	H: 3.05M N: 1.00000	NU: 16		D: PB 208
764.00 12.50	IR 182 -----	273.00 100.00	127.20 80.00	912.30 20.70	236.20 14.00	890.90 13.50	764.00<= 12.50	790.10 7.33	H: 15.00M N: *****	NU: 68		D: OS 182 *
764.40 0.11	SE 73 -----	511.01 100.00	360.90 78.13	67.00 57.03	864.90 0.43	1110.80 0.15	901.10 0.12	764.40<= 0.11	H: 7.10M N: 1.28000	NU: 20		D: AS 73 *
765.40 17.00	AU 186 -----	191.50 100.00	298.60 41.00	765.40<= 17.00	415.50 13.70	798.70 8.60	607.20 8.50	1216.20 6.00	H: 12.00M N: *****	NU: 61		D: PT 186 *
765.80 6.00	TC 95M -----	204.12 100.00	582.07 55.00	835.13 45.00	786.18 15.00	820.61 8.00	765.80<= 6.00	1039.25 5.00	H: 60.00D N: *****	NU: 13		D: PO 95
765.80 100.00	TC 95 -----	765.80<= 100.00	1074.10 4.00	947.80 0.20	605.00 0.10				H: 20.00M N: *****	NU: 4		D: PO 95
766.00 18.20	GD 147 -----	229.25 100.00	396.02 53.10	929.10 33.10	370.00 27.10	766.00<= 18.20	893.60 13.80	1069.50 12.30	H: 35.00M N: *****	NU: 96		D: EU 147 *
766.40 18.50	PB 211 -----	404.90 100.00	832.00 99.30	427.00 45.00	766.40<= 18.50	704.50 12.60	1109.50 3.83	65.50 2.00	H: 36.10M N: *****	NU: 30		D: BI 211 *
766.60 34.30	PA 234M -----	1001.20 100.00	766.60<= 34.30	743.00 9.50	257.90 8.00	786.40 5.75	1738.20 2.00	1831.50 1.83	H: 1.18M N: *****	NU: 63		D: U 234
766.84 35.79	RH 102M -----	475.06 100.00	631.29 58.95	697.49 46.32	766.84<= 35.79	1046.59 35.79	418.50 9.89	628.05 8.74	H: 2.90A N: 0.95000	NU: 15		D: RU 102
767.30 67.00	IR 186M -----	137.10 100.00	767.30<= 67.00	630.30 62.00	296.90 46.00	773.10 40.00	987.10 30.00	636.20 22.00	H: 1.70M N: *****	NU: 8		D: OS 186
767.30 7.19	IR 186 -----	256.90 100.00	434.60 46.10	773.10 13.10	636.20 7.70	767.30<= 7.19	584.40 6.73	933.20 6.73	H: 15.00M N: *****	NU: 82		D: CS 186
767.60 72.00	AG 104 -----	555.80 100.00	767.60<= 72.00	941.60 27.00	925.90 14.00	857.90 11.00	785.70 10.00	1341.80 7.90	H: 69.20M N: 1.00000	NU: 37		D: PD 104
768.00 20.00	Y 85 -----	232.00 100.00	2123.00 25.93	768.00<= 20.00	1404.00 15.43	2173.00 11.13	1220.00 7.60	1029.00 7.42	H: 4.90M N: 0.22100	NU: 28		D: SR 85 *
768.20 100.00	EU 142 -----	768.20<= 100.00	556.80 54.00	1022.90 94.00	1015.70 10.00	563.90 10.00			H: 1.20M N: *****	NU: 5		D: SM 142 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
768.92 1.99	TM 164 -----	511.01 100.00	91.39 9.34	1154.63 2.33	768.92<= 1.99	208.08 1.65	860.31 1.56	1610.74 1.55	H: 2.00H N: 0.78200	NU: 93	D: ER 164
769.70 1.80	RE 184 -----	903.00 100.00	791.90 98.95	111.10 48.03	894.50 43.04	252.70 7.01	641.80 5.20	769.70<= 1.80	H: 38.00H N: 0.38100	NU: 17	D: M 184
773.00 13.80	PB 197H -----	385.60 100.00	222.40 17.90	773.00<= 13.80	895.00 11.80	695.00 10.20	375.30 8.93	957.00 7.32	H: 42.00H N: *****	NU: 17	D: TL 197 *
773.10 40.00	IR 186H -----	137.10 100.00	767.30 67.00	630.30 62.00	296.90 46.00	773.10<= 40.00	987.10 30.00	636.20 22.00	H: 1.70H N: *****	NU: 8	D: OS 186
773.10 13.10	IR 186 -----	296.90 100.00	434.60 46.10	773.10<= 13.10	636.20 7.70	767.30 7.19	584.40 6.73	933.20 6.73	H: 15.00H N: *****	NU: 82	D: OS 186
774.50 18.92	GE 64 -----	427.00 100.00	667.10 45.95	128.20 29.73	774.50<= 18.92	384.10 13.51	85.70 5.41	42.80 5.41	H: 63.00S N: 0.37000	NU: 7	D: GA 64
777.00 12.80	AU 184 -----	163.20 100.00	273.10 76.70	361.90 32.40	594.00 14.80	777.00<= 12.80	486.30 11.90	237.00 10.60	H: 47.00S N: *****	NU: 28	D: \$\$\$\$
777.40 27.30	SM 141H -----	156.60 100.00	431.80 54.40	777.40<= 27.30	1786.40 14.70	1490.30 12.50	911.30 12.40	1145.10 11.70	H: 22.10H N: *****	NU: 47	D: PH 141 *
777.80 2.00	CO 62 -----	1173.02 100.00	1163.50 71.00	2003.90 19.00	1719.10 7.10	2104.90 6.40	777.80<= 2.00	2302.00 1.80	H: 13.50H N: *****	NU: 12	D: NI 62
778.20 2.92	SR 83 -----	511.01 100.00	762.90 61.31	381.40 35.04	418.40 10.80	423.10 4.09	1562.40 3.80	778.20<= 2.92	H: 32.40H N: 0.68500	NU: 73	D: RB 83 *
778.20 100.00	NB 96 -----	778.20<= 100.00	568.70 56.00	1091.40 51.00	460.10 26.80	849.80 21.00	1200.50 20.50	810.40 9.00	H: 23.50H N: *****	NU: 20	D: MO 96
778.30 100.00	TC 96H -----	778.30<= 100.00	1200.30 55.80	849.80 18.50	480.70 17.30	719.70 14.20	967.30 6.60	1498.30 6.31	H: 51.50H N: *****	NU: 15	D: TC 96 *
778.30 100.00	TC 96 -----	778.30<= 100.00	850.00 97.40	812.70 82.20	1126.90 14.40	314.40 2.29	316.40 1.68	1091.40 0.95	H: 4.30D N: 1.00000	NU: 22	D: MO 96
778.50 25.61	Y 86 -----	1076.00 100.00	1153.00 36.59	627.70 35.37	1920.00 30.49	778.50<= 25.61	1854.50 21.95	442.00 21.95	H: 14.74H N: 0.82000	NU: 78	D: SR 86
778.90 8.90	TB 152 -----	344.30 100.00	511.01 20.00	586.30 15.00	271.10 14.00	778.90<= 8.90	411.10 6.30	974.10 4.80	H: 17.50H N: *****	NU: 94	D: GD 152
779.78 8.42	HG 195 -----	61.43 100.00	779.78<= 8.42	180.23 5.22	585.11 2.58	207.07 2.58	56.70 2.57	261.75 2.52	H: 9.50H N: *****	NU: 33	D: AU 195 *
779.90 100.00	TM 166 -----	779.90<= 100.00	2053.90 88.24	184.20 81.37	1275.20 68.63	704.40 55.88	786.60 49.51	673.10 44.36	H: 7.70H N: 0.20400	NU: 77	D: ER 166
781.00 7.50	AM 246 -----	679.00 100.00	205.00 68.00	153.50 48.00	756.00 25.00	834.00 10.00	99.20 9.00	781.00<= 7.50	H: 40.00H N: *****	NU: 11	D: CH 246 *
781.90 94.00	AT 209 -----	545.10 100.00	781.90<= 94.00	790.30 74.00	195.10 25.90	239.00 13.50	903.20 9.20	551.30 6.50	H: 5.30H N: *****	NU: 39	D: PO 209 *
782.80 23.33	CE 135 -----	265.30 100.00	299.85 55.56	605.70 44.44	517.10 30.56	571.20 29.44	782.80<= 23.33	206.36 17.22	H: 17.00H N: 0.18000	NU: 43	D: LA 135 *
783.30 47.15	MN 50 -----	511.01 100.00	1098.00 48.60	783.30<= 47.15	1443.30 32.55	1282.40 15.55	661.50 11.80	1944.50 1.84	H: 1.75H N: 2.00000	NU: 15	D: CR 50
783.40 100.00	TB 148 -----	783.40<= 100.00	511.00 44.00	489.10 29.50	1077.10 13.80	631.10 13.30	1860.10 6.52	1401.40 2.50	H: 70.00H N: *****	NU: 59	D: GD 148 *
785.00 5.00	PD 99 -----	136.40 100.00	263.50 28.00	673.00 19.00	399.60 6.60	386.00 5.80	785.00<= 5.00	427.50 4.30	H: 22.00H N: *****	NU: 12	D: RH 99 *
785.40 16.86	BI 212 -----	727.15 100.00	1620.54 23.24	785.40<= 16.86	39.86 16.54	1078.62 8.16	893.41 5.57	452.80 5.35	H: 60.60H N: 0.18500	NU: 19	D: PO 212 *
785.50 0.09	RU 97 -----	215.20 100.00	324.40 11.76	570.00 0.88	560.60 0.42	108.90 0.16	461.30 0.13	785.50<= 0.09	H: 2.88D N: 0.91000	NU: 12	D: TC 97 *
785.70 2.13	AG 104H -----	555.80 100.00	1238.80 4.26	2276.70 2.62	1781.80 2.30	785.70<= 2.13	1720.80 1.97	2139.20 1.80	H: 33.50H N: 0.61000	NU: 38	D: PO 104
785.70 10.00	AG 104 -----	555.80 100.00	767.60 72.00	941.60 27.00	925.90 14.00	857.90 11.00	785.70<= 10.00	1341.80 7.90	H: 69.20H N: 1.00000	NU: 37	D: PO 104
786.00 47.00	HO 170H -----	932.00 100.00	853.00 70.00	182.00 67.00	889.00 57.00	1139.00 57.00	786.00<= 47.00	740.00 37.00	H: 2.90H N: *****	NU: 10	D: HO 170 *
786.18 15.00	TC 95H -----	204.12 100.00	582.07 55.00	835.13 45.00	786.18<= 15.00	820.61 8.00	765.80 6.00	1039.25 5.00	H: 60.00D N: *****	NU: 13	D: PO 95
786.40 5.75	PA 234H -----	1001.20 100.00	766.60 34.30	743.00 9.50	257.90 8.00	786.40<= 5.75	1738.20 2.00	1831.50 1.83	H: 1.18H N: *****	NU: 63	D: U 234
786.60 49.51	TM 166 -----	779.90 100.00	2053.90 88.24	184.20 81.37	1275.20 68.63	704.40 55.88	786.60<= 49.51	673.10 44.36	H: 7.70H N: 0.20400	NU: 77	D: ER 166

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE I
786.99 54.31	PB 202H -----	960.70 100.00	422.12 93.50	786.99<= 54.31	657.49 35.36	490.47 10.00	459.72 9.40	389.94 6.74	H: 3.62H N: 0.93900	NU:17	D:PB 202 *	
788.60 12.71	GD 149 -----	149.60 100.00	298.50 54.17	346.50 43.75	748.20 14.79	430.00 14.17	788.60<= 12.71	272.00 6.25	H: 9.40D N: 0.48000	NU:25	D:EU 149 *	
788.80 100.00	PR 138 -----	788.80<= 100.00	688.20 33.00	1551.50 17.00	1447.90 4.80	1510.50 3.70	1431.00 3.40	2237.00 3.20	H: 1.50H N: *****	NU:12	D:CE 138	
788.90 100.00	PR 138H -----	788.90<= 100.00	1038.10 100.00	302.60 81.70	511.01 63.00	390.90 6.05	547.80 5.22	635.90 1.78	H: 2.10H N: *****	NU:51	D:CE 138	
790.10 7.33	IR 182 -----	273.00 100.00	127.20 80.00	912.30 20.70	236.20 14.00	890.90 13.50	764.00 12.50	790.10<= 7.33	H: 15.00M N: *****	NU:68	D:OS 182 *	
790.30 74.00	AT 209 -----	545.10 100.00	781.90 94.00	790.30<= 74.00	195.10 25.90	239.00 13.50	903.20 9.20	551.30 6.50	H: 5.30H N: *****	NU:39	D:PO 209 *	
791.10 2.95	BI 204 -----	899.10 100.00	374.40 80.40	984.00 57.20	911.90 26.20	670.50 10.50	439.80 3.58	791.10<= 2.95	H: 11.20H N: *****	NU:99	D:PB 204	
791.90 98.95	RE 184 -----	903.00 100.00	791.90<= 98.95	111.10 48.03	894.50 43.04	252.70 7.01	641.80 5.20	769.70 1.80	H: 38.00D N: 0.38100	NU:17	D:W 184	
793.00 0.36	ZR 87 -----	511.01 100.00	1228.00 2.30	1210.00 0.73	793.00<= 0.36	1202.00 0.25	2220.00 0.23	1160.00 0.16	H: 1.60H N: 1.65000	NU:15	D:Y 87P*	
793.00 0.94	J 122 -----	511.01 100.00	564.00 12.75	692.60 0.94	793.00<= 0.94	683.50 0.65	1747.10 0.23	2188.00 0.20	H: 3.50M N: *****	NU:48	D:TE 122	
794.80 16.30	AC 228 -----	911.10 100.00	968.90 59.90	338.40 42.40	964.60 19.90	794.80<= 16.30	462.80 15.90	270.00 13.00	H: 6.13H N: *****	NU:95	D:TH 228 *	
796.00 14.46	CO 107 -----	511.01 100.00	828.90 37.50	796.00<= 14.46	422.60 7.14	898.00 2.68	1130.00 2.14	596.80 1.79	H: 6.50H N: 0.00560	NU:16	D:AG 107H*	
796.80 1.96	RB 83 -----	520.90 100.00	529.30 67.54	552.50 34.86	796.80<= 1.96				H: 83.00D N: 0.45900	NU: 4	D:KR 83P*	
798.70 8.60	AU 186 -----	191.50 100.00	298.60 41.00	765.40 17.00	415.50 13.70	798.70<= 8.60	607.20 8.50	1216.20 6.00	H: 12.00M N: *****	NU:61	D:PT 186 *	
798.83 90.91	AM 246M -----	1079.90 100.00	798.83<= 90.91	1062.07 62.73	1036.03 47.27	833.62 6.64	1085.10 5.64	734.46 4.27	H: 25.00M N: *****	NU:80	D:CM 246	
800.80 17.85	ER 173 -----	895.20 100.00	199.20 89.26	192.80 86.53	122.40 38.32	116.14 34.95	800.80<= 17.85	94.20 8.93	H: 1.40H N: 0.47500	NU: 8	D:TM 173 *	
805.20 5.50	RE 181 -----	365.50 100.00	360.70 21.00	639.00 11.00	953.60 6.30	1000.20 5.90	805.20<= 5.50	661.80 5.20	H: 19.00H N: *****	NU:99	D:W 181 *	
805.70 0.05	GA 68 -----	511.01 100.00	1077.50 1.98	1883.50 0.08	1261.30 0.05	805.70<= 0.05	165.90 0.04	578.40 0.02	H: 68.30M N: 1.76000	NU: 9	D:ZN 68	
806.40 6.00	RU 95 -----	336.40 100.00	511.01 42.86	1096.90 31.43	626.84 25.71	1178.80 7.57	806.40<= 6.00	1182.00 5.71	H: 1.65H N: 0.70000	NU:38	D:TC 95 *	
806.80 33.00	TH 165 -----	242.70 100.00	806.80<= 33.00	459.90 10.60	218.60 9.60	346.60 8.56	356.30 7.80	389.20 7.70	H: 30.06H N: *****	NU:49	D:ER 165 *	
809.00 5.00	IN 107 -----	205.00 100.00	505.40 26.50	320.90 20.00	1268.40 9.00	365.60 7.40	728.10 5.80	809.00<= 5.00	H: 32.00M N: *****	NU:98	D:CD 107 *	
809.40 7.14	GA 64 -----	511.01 100.00	992.20 22.96	3366.90 8.16	809.40<= 7.14	1387.80 6.63	2195.60 6.12	919.10 3.88	H: 2.60M N: 1.96000	NU:29	D:ZN 64	
809.90 71.03	LU 172 -----	900.60 100.00	372.50 79.37	809.90<= 71.03	1093.40 69.60	528.22 59.84	410.31 53.65	697.20 36.90	H: 6.70D N: *****	NU:78	D:YB 172	
810.20 4.20	PB 200 -----	1026.30 100.00	462.00 63.00	419.60 53.00	245.00 22.00	493.60 7.60	545.70 4.60	810.20<= 4.20	H: 21.50H N: *****	NU:10	D:TL 200 *	
810.40 9.00	NB 96 -----	778.20 100.00	568.70 56.00	1091.40 51.00	460.10 26.80	849.80 21.00	1200.50 20.50	810.40<= 9.00	H: 23.50H N: *****	NU:20	D:PC 96	
810.74 100.00	CO 58 -----	810.74<= 100.00	511.01 31.16	863.94 0.64	1674.74 0.50				H: 71.30D N: 0.99500	NU: 4	D:FE 58	
812.70 82.20	TC 96 -----	778.30 100.00	850.00 97.40	812.70<= 82.20	1126.90 14.40	314.40 2.29	316.40 1.68	1091.40 0.95	H: 4.30D N: 1.00000	NU:22	D:MO 96	
813.00 0.50	BR 80 -----	617.00 100.00	511.01 83.33	665.70 16.67	639.90 3.17	704.10 2.50	1256.60 1.15	813.00<= 0.50	H: 17.60M N: 0.06000	NU: 7	D:KR 80	
813.10 58.30	AU 189 -----	713.40 100.00	813.10<= 58.30	348.10 55.90	447.80 54.40	166.30 41.30	528.70 41.10	441.70 34.40	H: 29.70H N: *****	NU:24	D:PT 189 *	
915.50 0.85	AG 110 -----	657.70 100.00	815.50<= 0.85	1125.90 0.33	295.90 0.17	1674.90 0.15	1784.40 0.13	1474.50 0.10	H: 24.60S N: 0.04500	NU:12	D:CO 110	
915.90 95.97	TH 168 -----	198.20 100.00	815.90<= 95.97	447.40 47.02	184.20 33.01	741.30 24.18	720.30 23.42	821.10 22.46	H: 93.10D N: 0.52100	NU:31	D:ER 168	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
817.20 1.72	AT 210 -----	1181.40 100.00	245.30 80.00	1483.30 46.80	1436.70 29.20	1599.50 13.50	955.80 1.81	817.20<= 1.72	H: 8.30H N: 1.00000	NU: 59	D: PO 210 *
818.48 100.00	CS 136 -----	818.48<= 100.00	1048.10 81.00	340.60 45.00	1235.41 20.00	66.90 14.00	176.75 13.00	273.76 13.00	H: 13.00D N: 1.00000	NU: 15	D: BA 136
819.20 18.03	PA 232 -----	969.30 100.00	894.30 48.08	150.10 26.92	453.70 21.88	387.80 18.99	819.20<= 18.03	866.40 18.03	H: 1.31D N: 0.41600	NU: 32	D: U 232 *
819.90 100.00	BI 203 -----	819.90<= 100.00	898.20 55.50	825.20 54.40	1847.30 34.90	1033.30 28.00	1679.60 26.90	847.00 26.70	H: 11.80H N: *****	NU: 73	D: PB 203
820.61 8.00	TC 95M -----	204.12 100.00	582.07 55.09	835.13 45.00	766.18 15.00	820.61<= 8.00	765.80 6.00	1039.25 5.00	H: 60.00D N: *****	NU: 13	D: PO 95
821.10 22.46	TM 168 -----	198.20 100.00	815.90 95.97	447.40 47.02	184.20 33.01	741.30 24.18	720.30 23.42	821.10<= 22.46	H: 93.10D N: 0.52100	NU: 31	D: ER 168
822.20 27.00	RH 100 -----	539.40 100.00	2376.00 40.00	1552.50 28.00	822.20<= 27.00	1362.40 20.00	1106.30 18.00	445.50 15.80	H: 20.00H N: *****	NU: 31	D: RU 100
822.50 0.97	TC 100 -----	539.60 100.00	590.80 81.71	689.40 7.20	378.60 6.30	1512.20 6.27	822.50<= 0.97	1362.10 0.86	H: 17.00S N: 0.06670	NU: 20	D: RU 100
825.20 54.40	BI 203 -----	819.90 100.00	898.20 55.50	825.20<= 54.40	1847.30 34.90	1033.30 28.00	1679.60 26.90	847.00 26.70	H: 11.80H N: *****	NU: 73	D: PB 203
826.40 11.14	CU 60 -----	511.01 100.00	1332.50 47.45	1791.60 24.18	826.40<= 11.14	3124.40 2.57	1861.60 2.54	1035.10 1.91	H: 24.00H N: 1.84000	NU: 74	D: NT 60
826.55 100.00	ER 161 -----	826.55<= 100.00	211.15 44.88	592.65 5.40	76.23 4.86	314.76 4.11	94.13 2.00	864.90 1.98	H: 3.10H N: 0.61500	NU: 96	D: HO 161 *
826.90 0.24	SB 118 -----	511.01 100.00	1229.50 1.64	1267.00 0.38	528.20 0.25	826.90<= 0.24	1699.70 0.04	1172.90 0.03	H: 3.50H N: 1.51000	NU: 14	D: SN 118
827.50 41.00	TB 150M -----	638.00 100.00	650.40 70.00	438.40 42.00	827.50<= 41.00	343.10 25.00	496.30 23.50	566.50 22.00	H: 5.80H N: *****	NU: 18	D: GD 150
827.70 2.25	NB 90 -----	1129.10 100.00	2318.60 92.13	141.15 75.28	2186.20 20.11	132.60 4.94	1612.10 4.49	827.70<= 2.25	H: 14.60H N: 0.89000	NU: 12	D: ZR 90
828.90 37.50	CO 107 -----	511.01 100.00	828.90<= 37.50	796.00 14.46	422.60 7.14	898.00 2.68	1130.00 2.14	596.80 1.79	H: 6.50H N: 0.00560	NU: 16	D: AG 107M*
829.50 19.85	IR 188 -----	155.00 100.00	634.80 85.89	478.00 47.85	2214.60 38.34	312.00 23.93	1210.30 20.28	829.50<= 19.85	H: 41.50H N: 0.32600	NU: 75	D: OS 188
831.00 10.00	PM 150 -----	334.00 100.00	1165.00 14.79	1331.00 14.79	716.00 12.96	831.00<= 10.00	402.00 6.48	877.00 6.06	H: 2.68H N: 0.71000	NU: 8	D: SM 150
832.00 99.30	PB 211 -----	404.90 100.00	832.00<= 99.30	427.00 45.00	766.40 18.50	704.50 12.60	1109.50 3.83	65.50 2.00	H: 36.10H N: *****	NU: 30	D: BI 211 *
832.30 100.00	RH 96M -----	832.30<= 100.00	1097.80 29.00	1692.30 25.00	2164.10 12.00	2256.50 7.00	1907.50 5.00	2456.00 3.50	H: 1.45M N: *****	NU: 11	D: RU 96
832.30 100.00	RH 96 -----	684.60 100.00	832.30<= 100.00	630.70 78.00	741.20 32.00	1228.40 16.00	1164.40 6.20	1738.50 5.40	H: 9.50M N: *****	NU: 20	D: RU 96
833.30 3.60	NP 238 -----	984.30 100.00	1027.40 68.00	1025.90 36.80	923.70 10.00	1029.70 7.60	833.30<= 3.60	882.37 3.20	H: 50.80H N: 0.25000	NU: 22	D: PU 238 *
833.50 5.13	GA 66 -----	511.01 100.00	1039.30 32.17	2752.00 20.00	833.50<= 5.13	2189.90 4.87	4295.80 2.96	1918.64 1.83	H: 9.30H N: 1.15000	NU: 61	D: ZN 66
833.62 6.64	AM 246M -----	1078.90 100.00	798.83 90.91	1062.07 62.73	1036.03 47.27	833.62<= 6.64	1085.10 5.64	734.46 4.27	H: 25.00H N: *****	NU: 80	D: CM 246
834.00 100.00	AS 72 -----	834.00<= 100.00	629.93 10.20	1464.00 1.43	1050.76 1.23	894.27 0.99	2105.90 0.93	2201.74 0.65	H: 26.00H N: *****	NU: 60	D: GE 72
834.00 10.00	AM 246 -----	679.00 100.00	205.00 68.00	153.50 48.00	756.00 25.00	834.00<= 10.00	99.20 9.00	781.00 7.50	H: 40.00H N: *****	NU: 11	D: CM 246 *
834.83 100.00	HN 54 -----	834.83<= 100.00							H: 312.70D N: 1.00000	NU: 1	D: CR 54
835.13 45.00	TC 95M -----	204.12 100.00	582.07 55.00	835.13<= 45.00	766.18 15.00	820.61 8.00	765.80 6.00	1039.25 5.00	H: 60.00D N: *****	NU: 13	D: PO 95
835.40 14.06	AG 102 -----	556.70 100.00	719.40 59.42	1522.70 27.54	1744.50 17.68	1581.60 14.06	835.40<= 14.06	1257.10 13.04	H: 13.00M N: *****	NU: 21	D: PD 102
837.90 20.30	PD 98 -----	112.40 100.00	663.00 52.80	106.80 32.80	837.90<= 20.30	661.70 30.00	67.70 14.10	174.40 10.70	H: 17.90H N: *****	NU: 10	D: RH 98 *
839.50 23.00	TL 190 -----	416.80 100.00	625.50 75.00	730.60 32.00	839.50<= 23.00	305.00 16.00			H: 3.40M N: *****	NU: 5	D: HG 190 *
841.00 12.00	IR 184 -----	264.30 100.00	120.20 45.00	390.60 38.50	961.10 19.00	841.00<= 12.00	1105.00 9.50	943.30 9.40	H: 3.20H N: *****	NU: 66	D: OS 184

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
844.30 9.29	Y 92 -----	934.50 100.00	1405.40 34.29	561.10 17.14	448.50 16.43	844.30<= 9.29	912.80 4.50	492.60 3.50	H: 3.50H N: 0.14000	NU: 19	D: ZR 92	
846.74 100.00	CO 56 -----	846.74<= 100.00	1238.28 69.94	511.01 48.48	1037.85 30.47	2598.57 16.90	1771.48 15.79	2034.90 7.82	H: 77.30D N: 0.98800	NU: 45	D: FE 56	
847.00 26.70	BI 203 -----	819.90 100.00	898.20 55.50	825.20 54.40	1847.30 34.90	1033.30 28.00	1679.60 26.90	847.00<= 26.70	H: 11.80H N: *****	NU: 73	D: PB 203	
848.40 3.20	MN 52 -----	1434.40 100.00	744.20 85.00	935.60 84.00	511.01 55.00	1332.80 5.10	1247.00 4.70	848.40<= 3.20	H: 5.67D N: 1.00000	NU: 14	D: CR 52	
849.70 93.00	TC 94 -----	916.20 100.00	849.70<= 93.00	870.90 93.00	702.60 93.00	511.01 20.60	449.00 2.50	531.60 1.10	H: 4.90H N: *****	NU: 11	D: MO 94	
849.80 21.00	NB 96 -----	778.20 100.00	568.70 56.00	1091.40 51.00	460.10 26.80	849.80<= 21.00	1200.50 20.50	810.40 9.00	H: 23.50H N: *****	NU: 20	D: MO 96	
849.80 18.50	TC 96M -----	778.30 100.00	1200.30 55.80	849.80<= 18.50	480.70 17.30	719.70 14.20	967.30 6.60	1498.30 6.31	H: 51.50M N: *****	NU: 15	D: TC 96 *	
850.00 97.40	TC 96 -----	778.30 100.00	850.00<= 97.40	812.70 82.20	1126.90 14.40	314.40 2.29	316.40 1.68	1091.40 0.95	H: 4.30D N: 1.00000	NU: 22	D: MO 96	
851.00 5.00	OS 183 -----	381.80 100.00	114.43 27.00	167.90 10.00	851.00<= 5.00	236.30 2.90	145.43 1.90	1162.70 1.50	H: 14.00H N: *****	NU: 37	D: RE 183 *	
853.00 70.00	HO 170M -----	932.00 100.00	853.00<= 70.00	192.00 67.00	889.00 57.00	1139.00 57.00	786.00 47.00	740.00 37.00	H: 2.90M N: *****	NU: 10	D: HO 170 *	
857.90 11.00	AG 104 -----	555.80 100.00	767.60 72.00	941.60 27.00	925.90 14.00	857.90<= 11.00	785.70 10.00	1341.80 7.90	H: 69.20M N: 1.00000	NU: 37	D: PD 104	
860.26 100.00	YB 163 -----	860.26<= 100.00	63.58 69.60	123.21 19.90	326.05 17.20	1746.70 17.20	130.86 17.00	1908.10 15.30	H: 10.96M N: *****	NU: 58	D: TP 163 *	
860.31 1.56	TH 164 -----	511.01 100.00	91.39 9.34	1154.63 2.33	768.92 1.99	208.08 1.65	860.31<= 1.56	1610.74 1.55	H: 2.00M N: 0.78200	NU: 93	D: ER 164	
860.37 12.00	TL 208 -----	2614.60 100.00	583.06 86.00	510.80 23.00	860.37<= 12.00	277.35 6.90	763.13 1.80	252.60 0.80	H: 3.05H N: 1.00000	NU: 16	D: PB 208	
861.70 0.33	SB 117 -----	158.50 100.00	511.01 5.75	861.70<= 0.33	1004.50 0.26	1021.00 0.11	1020.60 0.11	553.10 0.08	H: 2.80H N: 0.87000	NU: 14	D: SN 117	
861.80 18.00	IN 106 -----	511.01 100.00	1716.50 87.00	632.80 67.00	225.20 66.00	861.80<= 18.00	998.50 6.00	1009.60 4.00	H: 5.38M N: *****	NU: 33	D: CD 106	
863.94 0.64	CO 58 -----	810.74 100.00	511.01 31.16	863.94<= 0.64	1674.74 0.50				H: 71.30D N: 0.99500	NU: 4	D: FE 58	
864.90 0.43	SE 73 -----	511.01 100.00	360.90 78.13	67.00 57.03	864.90<= 0.43	1110.80 0.15	901.10 0.12	764.40 0.11	H: 7.10H N: 1.28000	NU: 20	D: AS 73 *	
864.90 1.98	ER 161 -----	826.55 100.00	211.15 44.88	592.65 5.40	76.23 4.86	314.76 4.11	94.13 2.00	864.90<= 1.98	H: 3.10H N: 0.61500	NU: 96	D: HG 161 *	
866.40 18.03	PA 232 -----	969.30 100.00	894.30 48.08	150.10 26.92	453.70 21.88	387.80 18.99	819.20 18.03	866.40<= 18.03	H: 1.31D N: 0.41600	NU: 32	D: U 232 *	
866.70 0.14	AG 111 -----	341.90 100.00	245.60 15.00	96.90 2.38	620.60 0.43	866.70<= 0.14	524.40 0.00		H: 7.45D N: 0.08000	NU: 6	D: CD 111	
870.90 93.00	TC 94 -----	916.20 100.00	849.70 93.00	870.90<= 93.00	702.60 93.00	511.01 20.60	449.00 2.50	531.60 1.10	H: 4.90H N: *****	NU: 11	D: MO 94	
871.10 100.00	TC 94M -----	871.10<= 100.00	1522.00 5.90	1868.80 5.80	2740.00 3.80	993.10 2.60	3129.20 1.20	1196.20 0.90	H: 52.00H N: *****	NU: 10	D: MO 94	
873.30 0.62	AG 106 -----	511.01 100.00	511.80 15.65	622.00 1.30	873.30<= 0.62	1050.10 0.54	616.00 0.40	1127.90 0.23	H: 24.00H N: 1.24000	NU: 13	D: PD 106	
874.81 8.06	OS 185 -----	646.11 100.00	874.81<= 8.06	880.27 6.65	717.42 5.37	592.07 1.66	162.70 0.81	234.20 0.60	H: 94.00D N: 0.78200	NU: 11	D: RE 185	
875.70 0.08	CU 62 -----	511.01 100.00	1173.00 0.18	875.70<= 0.08	2301.00 0.02	1129.10 0.02	3369.90 0.01	2084.70 0.00	H: 9.75M N: 1.96000	NU: 16	D: AI 62	
875.80 14.10	ER 163 -----	1113.50 100.00	436.10 58.20	439.90 56.30	297.80 23.50	875.80<= 14.10	339.80 6.81	614.30 6.81	H: 75.00M N: *****	NU: 24	D: HO 163 *	
877.00 6.06	PM 150 -----	334.00 100.00	1165.00 14.79	1331.00 14.79	716.00 12.96	831.00 10.00	402.00 6.48	877.00<= 6.06	H: 2.68H N: 0.71000	NU: 8	D: SM 150	
878.40 3.17	OS 183M -----	1122.10 100.00	1108.00 45.60	1034.80 12.70	878.40<= 3.17	484.70 3.17	954.80 2.15	400.00 1.52	H: 10.00H N: *****	NU: 39	D: RE 183 *	
880.27 6.65	OS 185 -----	646.11 100.00	874.81 8.06	880.27<= 6.65	717.42 5.37	592.07 1.66	162.70 0.81	234.20 0.60	H: 94.00D N: 0.78200	NU: 11	D: RE 185	
880.30 1.88	J 126 -----	389.50 100.00	666.20 88.24	753.80 11.47	491.90 6.18	511.01 2.56	880.30<= 1.88	1420.20 0.85	H: 12.80D N: 0.34000	NU: 9	D: TE 126	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								HALF LIFE	DAUGHTER	NORMAL FACTOR
										NU:NUMBER OF ENERGIES IN	TABLE 1	
881.50 100.00	RB 84 -----	881.50<=	511.01 56.76	1897.40 10.81	1015.90 0.68					H: 34.50D N: 0.74000	NU: 4	D:KR 84
882.37 3.20	NP 238 -----	984.30 100.00	1027.40 68.00	1025.90 36.80	923.70 10.00	1029.70 7.60	833.30 3.60	882.37<=	3.20	H: 50.80H N: 0.25000	NU:22	D:PU 238 *
884.50 0.04	BR 78 -----	511.01 100.00	613.90 7.61	694.80 0.05	1020.30 0.04	884.50<=	1720.60 0.03	1922.60 0.03		H: 6.50H N: 1.84000	NU:20	D:SE 78
884.70 25.50	LU 168 -----	198.80 100.00	87.80 43.60	979.20 38.90	884.70<=	896.10 24.90	1164.70 21.10	1136.80 20.90		H: 7.00H N: *****	NU:94	D:YB 168
885.80 1.40	PM 141 -----	511.01 100.00	1223.20 2.70	885.80<=	194.40 1.20	1344.30 0.76	622.00 0.59	1565.00 0.54		H: 20.90H N: *****	NU:12	D:ND 141
887.00 0.05	AS 74 -----	511.01 100.00	595.83 98.02	634.78 24.71	608.43 0.94	1204.35 0.45	635.00 0.06	887.00<=	0.05	H: 17.90D N: 0.60700	NU:15	D:GE 74
887.90 0.84	GA 67 -----	184.50 100.00	300.20 88.61	393.40 27.43	91.30 13.80	208.96 8.44	494.40 0.84	887.90<=	0.84	H: 78.00H N: 0.23700	NU: 7	D:ZN 67
889.00 57.00	HO 170H -----	932.00 100.00	853.00 70.00	182.00 67.00	889.00<=	1139.00 57.00	786.00 47.00	740.00 37.00		H: 2.90H N: *****	NU:10	D:HO 170 *
889.50 20.00	LU 169 -----	960.30 100.00	191.30 95.00	1450.40 40.00	889.50<=	87.27 13.00	378.60 9.50	1184.50 9.10		H: 34.06H N: *****	NU:95	D:Y 169 *
890.90 13.50	IR 182 -----	273.00 100.00	127.20 80.00	912.30 20.70	236.20 14.00	890.90<=	764.00 12.50	790.10 7.33		H: 15.00H N: *****	NU:68	D:OS 182 *
893.41 5.57	BI 212 -----	727.15 100.00	1620.54 23.24	785.40 16.86	39.86 16.54	1078.62 8.16	893.41<=	452.80 5.35		H: 60.60H N: 0.18500	NU:19	D:PO 212 *
893.60 13.80	GD 147 -----	229.25 100.00	396.02 53.10	929.10 33.10	370.00 27.10	766.00 18.20	893.60<=	1069.50 12.30		H: 35.00H N: *****	NU:96	D:EU 147 *
894.00 0.46	CS 130 -----	511.01 100.00	536.00 4.37	686.10 0.51	894.00<=	1614.60 0.46	1687.30 0.20	1996.30 0.17		H: 29.10H N: *****	NU:17	D:XE 130
894.27 0.99	AS 72 -----	834.00 100.00	629.93 10.20	1464.00 1.43	1050.76 1.23	894.27<=	2105.90 0.93	2201.74 0.65		H: 26.00H N: *****	NU:60	D:GE 72
894.30 48.08	PA 232 -----	969.30 100.00	894.30<=	150.10 26.92	453.70 21.88	387.80 18.99	819.20 18.03	866.40 18.03		H: 1.31D N: 0.41600	NU:32	D:U 232 *
894.50 43.04	RE 184 -----	903.00 100.00	791.90 98.95	111.10 48.03	894.50<=	252.70 43.04	641.80 5.20	769.70 1.80		H: 38.00D N: 0.38100	NU:17	D:W 184
895.00 11.80	PB 197H -----	385.60 100.00	222.40 17.90	773.00 13.80	895.00<=	695.00 10.20	375.30 8.93	957.00 7.32		H: 42.00H N: *****	NU:17	D:TL 197 *
895.20 100.00	ER 173 -----	895.20<=	199.20 89.26	192.80 86.53	122.40 38.32	116.14 34.95	800.80 17.85	94.20 8.93		H: 1.40H N: 0.47500	NU: 8	D:TH 173 *
896.10 24.90	LU 168 -----	198.80 100.00	87.80 43.60	979.20 38.90	884.70 25.50	896.10<=	1164.70 21.10	1136.80 20.90		H: 7.00H N: *****	NU:94	D:YB 168
896.60 15.77	HO 157 -----	86.50 100.00	341.10 65.38	280.00 40.38	193.40 36.92	272.20 18.08	188.10 16.15	896.60<=	15.77	H: 14.00H N: 0.26000	NU:98	D:OY 157 *
897.02 91.95	Y 88 -----	1836.08 100.00	897.02<=	2734.17 0.62	511.01 0.40					H:107.40D N: 0.99400	NU: 4	D:SR 88
897.30 0.16	BI 207 -----	569.67 100.00	1063.62 76.00	1770.22 7.50	897.30<=	0.16				H: 38.00A N: 0.97900	NU: 4	D:PB 207
897.60 1.36	IN 119H -----	311.30 100.00	1065.10 9.09	1249.60 6.82	1225.60 5.46	1163.70 4.63	897.60<=	920.60 1.18		H: 18.00H N: *****	NU: 8	D:SN 119
897.91 29.07	TH 164H -----	208.08 100.00	314.93 65.57	240.49 50.93	547.00 30.27	897.91<=	91.39 28.47	1364.60 27.87		H: 5.10H N: 0.18300	NU:31	D:ER 164
898.00 2.68	CD 107 -----	511.01 100.00	828.90 37.50	796.00 14.46	422.60 7.14	898.00<=	1130.00 2.14	596.80 1.79		H: 6.50H N: 0.00560	NU:16	D:AG 107H*
898.20 55.50	BI 203 -----	819.90 100.00	898.20<=	825.20 54.40	1847.30 34.90	1033.30 28.00	1679.60 26.90	847.00 26.70		H: 11.80H N: *****	NU:73	D:PB 203
898.69 38.63	PA 230 -----	951.98 100.00	918.52 55.36	898.69<=	443.80 38.20	508.20 24.89	398.00 14.14	518.55 14.06		H: 17.50D N: 0.04660	NU:43	D:U 230 *
899.10 100.00	BI 204 -----	899.10<=	374.40 80.40	984.00 57.20	911.90 26.20	670.50 10.50	439.80 3.58	791.10 2.95		H: 11.20H N: *****	NU:99	D:PB 204
899.60 5.00	XE 123 -----	148.90 100.00	178.10 30.50	330.20 17.50	511.01 8.09	1093.40 5.70	899.60<=	1113.10 3.20		H: 2.10H N: *****	NU:99	D:J 123 *
900.60 100.00	LU 172 -----	900.60<=	372.50 79.37	809.90 71.03	1093.40 69.60	528.22 59.84	410.31 53.65	697.20 36.90		H: 6.70D N: *****	NU:78	D:YB 172
901.10 0.12	SE 73 -----	511.01 100.00	360.90 78.13	67.00 57.03	864.90 0.43	1110.80 0.15	901.10<=	764.40 0.11		H: 7.10H N: 1.28000	NU:20	D:AS 73 *

ENERGY (INTENS.)	NUCL ID#	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H:HALF LIFE NU:NUMBER OF ENERGIES IN	O:DAUGHTER NU:NUMBER OF ENERGIES IN	N:NORMAL.FACTOR TABLE I
903.00 100.00	RE 184 -----	903.00<=	791.90 98.95	111.10 48.03	894.50 43.04	252.70 7.01	641.80 5.20	769.70 1.80	H: 38.00D N: 0.38100	NU:17	D:W 184	
903.20 9.20	AT 209 -----	545.10 100.00	781.90 94.00	790.30 74.00	195.10 25.90	239.00 13.50	903.20<=	551.30 6.50	H: 5.30H N: *****	NU:39	D:PD 209 *	
905.10 5.00	DY 155 -----	226.94 100.00	90.32 23.09	511.01 7.35	1088.90 6.10	999.20 5.53	184.53 5.51	905.10<=	H: 9.60H N: 0.68000	NU:98	D:TB 155 *	
908.90 1.63	IN 121M -----	60.10 100.00	1041.20 5.50	1102.20 4.50	321.00 2.50	1120.40 2.50	908.90<=	2803.80 0.55	H: 3.76H N: *****	NU:11	D:SN 121 *	
909.10 100.00	Y 89M -----	909.10<=							H: 15.80S N: 0.99000	NU: 1	D:Y 89	
909.20 100.00	ZR 89 -----	909.20<=	511.01 44.27	1712.60 0.82	1744.50 0.13	1657.30 0.11	1620.80 0.07		H: 78.40H N: 0.99400	NU: 6	D:Y 89	
911.10 100.00	AC 228 -----	911.10<=	568.90 59.90	338.40 42.40	964.60 19.90	794.80 16.30	462.80 15.90	270.00 13.00	H: 6.13H N: *****	NU:95	D:TH 228 *	
911.30 12.40	SM 141M -----	156.60 100.00	431.80 54.40	777.40 27.30	1786.40 14.70	1490.30 12.50	911.30<=	1145.10 11.70	H: 22.10H N: *****	NU:47	D:PM 141 *	
911.80 29.90	PD 207 -----	992.30 100.00	742.60 48.40	911.80<=	405.70 16.80	1148.30 10.20	687.60 3.37	345.20 3.31	H: 5.70H N: *****	NU:39	D:BI 207 *	
911.90 26.20	BI 204 -----	899.10 100.00	374.40 80.40	984.00 57.20	911.90<=	670.50 10.50	439.80 3.58	791.10 2.95	H: 11.20H N: *****	NU:99	D:PB 204	
912.00 53.57	PM 148 -----	550.20 100.00	1465.10 78.57	912.00<=	611.10 53.57				H: 5.40D N: 0.28000	NU: 4	D:SM 148	
912.30 20.70	IR 182 -----	273.00 100.00	127.20 80.00	912.30<=	236.20 14.00	890.90 13.50	764.00 12.50	790.10 7.33	H: 15.00H N: *****	NU:68	D:OS 182 *	
912.80 4.50	Y 92 -----	934.50 100.00	1405.40 34.29	561.10 17.14	448.50 16.43	844.30 9.29	912.80<=	492.60 3.50	H: 3.50H N: 0.14000	NU:19	D:ZR 92	
912.82 100.00	IR 187 -----	912.82<=	400.90 82.70	610.86 78.20	977.40 60.90	177.60 54.60	987.20 54.30	187.40 35.60	H: 11.00H N: *****	NU:88	D:OS 187	
915.40 21.74	PM 148M -----	550.20 100.00	629.90 95.65	725.70 34.78	915.40<=	1013.80 21.74	414.10 19.57	288.00 13.04	H: 41.80D N: 0.92000	NU:13	D:SM 148	
916.20 100.00	TC 94 -----	916.20<=	849.70 93.00	870.90 93.00	702.60 93.00	511.01 20.60	449.00 2.50	531.60 1.10	H: 4.90H N: *****	NU:11	D:PD 94	
918.20 100.00	Y 94 -----	918.20<=	1139.10 20.00	550.10 8.40	1668.60 6.20	750.50 4.60	381.80 3.20	1915.61 2.80	H: 19.40H N: 0.50000	NU:15	D:ZR 94	
918.52 55.36	PA 230 -----	951.98 100.00	918.52<=	898.69 55.36	443.80 38.20	508.20 24.89	398.00 14.14	518.55 14.06	H: 17.50D N: 0.04660	NU:43	D:U 230 *	
919.10 3.88	GA 64 -----	511.01 100.00	992.20 22.96	3366.90 8.16	809.40 7.14	1387.80 6.63	2195.60 6.12	919.10<=	H: 2.60H N: 1.96000	NU:29	D:ZN 64	
920.60 1.18	IN 119M -----	311.30 100.00	1065.10 9.09	1249.60 6.82	1225.60 5.46	1163.70 4.63	897.60 1.36	920.60<=	H: 18.00H N: *****	NU: 8	D:SN 119	
920.90 100.00	RE 184M -----	920.90<=	216.40 11.30	317.60 8.10	536.50 4.90	384.00 4.05	1174.10 1.10	1110.20 0.65	H:165.00D N: *****	NU: 7	D:RE 184 *	
923.70 10.00	NP 238 -----	984.30 100.00	1027.40 68.00	1025.90 36.80	923.70<=	1029.70 7.60	833.30 3.60	882.37 3.20	H: 50.80H N: 0.25000	NU:22	D:PU 238 *	
924.24 5.20	PR 140 -----	1596.50 100.00	306.90 37.00	751.80 6.00	924.24<=	2521.70 5.20	1420.30 1.80	2348.30 1.63	H: 3.40H N: *****	NU:17	D:CE 140	
925.30 100.00	IN 121 -----	925.30<=	657.70 6.00	260.00 4.30					H: 25.00S N: *****	NU: 3	D:SN 121 *	
925.90 14.00	AG 104 -----	555.80 100.00	767.60 72.00	941.60 27.00	925.90<=	857.90 14.00	785.70 10.00	1341.80 7.90	H: 69.20H N: 1.00000	NU:37	D:PD 104	
928.40 1.18	V 48 -----	511.01 100.00	983.40 98.04	1311.90 97.06	944.20 8.73	2240.10 2.35	928.40<=	1437.60 0.12	H: 15.57D N: 1.02000	NU: 9	D:TI 48	
929.10 33.10	GD 147 -----	229.25 100.00	396.02 53.10	929.10<=	370.00 27.10	766.00 18.20	893.60 13.80	1069.50 12.30	H: 35.00H N: *****	NU:96	D:EU 147 *	
930.00 51.09	HO 162 -----	185.00 100.00	511.01 97.83	80.00 84.78	930.00<=	1220.00 51.09	283.00 32.61		H: 15.00H N: 0.09200	NU: 6	D:OY 162	
932.00 100.00	HO 170M -----	932.00<=	853.00 70.00	182.00 67.00	889.00 57.00	1139.00 57.00	786.00 47.00	740.00 37.00	H: 2.90H N: *****	NU:10	D:HO 170 *	
933.20 6.73	IR 186 -----	296.90 100.00	434.60 46.10	773.10 13.10	636.20 7.70	767.30 7.19	584.40 6.73	933.20<=	H: 15.00H N: *****	NU:82	D:OS 186	
934.50 100.00	Y 92 -----	934.50<=	1405.40 34.29	561.10 17.14	448.50 16.43	844.30 9.29	912.80 4.50	492.60 3.50	H: 3.50H N: 0.14000	NU:19	D:ZR 92	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN	D: DAUGHTER ENERGIES IN	N: NORMAL FACTOR TABLE I
935.60 94.00	MN 52 -----	1434.40 100.00	744.20 85.00	935.60<= 84.00	511.01 55.00	1332.80 5.10	1247.00 4.70	848.40 3.20	H: 5.67D N: 1.00000	NU:14		D: CR 52
937.20 37.30	HO 162H -----	185.00 100.00	1220.00 78.40	282.90 39.30	937.20<= 37.30	80.70 31.10	1319.60 7.26	1124.90 4.07	H: 68.00H N: *****	NU:42		D: HO 162
937.40 4.34	RH 99H -----	340.60 100.00	511.01 34.38	1260.70 24.22	618.00 20.78	1209.10 20.00	937.40<= 4.34	528.40 2.95	H: 4.70H N: 0.64000	NU:29		D: RU 99
937.50 100.00	IN 110H -----	937.50<= 100.00	706.80 46.00	641.60 38.00	997.50 15.00	581.60 10.00	584.20 10.00	461.00 8.00	H: 4.90H N: *****	NU:42		D: CO 110
941.40 7.30	AM 238 -----	962.70 100.00	561.10 39.00	605.20 27.00	1577.50 11.00	357.70 8.10	941.40<= 7.30	1266.30 6.20	H: 1.90H N: *****	NU:23		D: PU 238 *
941.50 29.47	HG 28 -----	30.64 100.00	1342.00 72.63	399.80 32.63	941.50<= 29.47				H: 21.10H N: 0.95000	NU: 4		D: AL 28 *
941.50 7.10	HO 90 -----	257.34 100.00	122.37 82.55	511.01 63.21	203.10 8.17	445.40 7.75	162.93 7.66	941.50<= 7.10	H: 5.70H N: 0.79100	NU:23		D: NB 90 *
941.60 27.00	AG 104 -----	555.80 100.00	767.60 72.00	941.60<= 27.00	925.90 14.00	857.90 11.00	785.70 10.00	1341.80 7.90	H: 69.20H N: 1.00000	NU:37		D: PD 104
943.30 9.40	IR 184 -----	264.30 100.00	120.20 45.00	390.60 38.50	961.10 19.00	841.00 12.00	1105.00 9.50	943.30<= 9.40	H: 3.20H N: *****	NU:66		D: CS 184
944.00 0.09	IN 119 -----	763.10 100.00	1214.80 0.47	697.80 0.37	1273.00 0.19	944.00<= 0.09			H: 2.30H N: *****	NU: 5		D: SN 119
944.20 8.73	V 48 -----	511.01 100.00	983.40 98.04	1311.90 97.06	944.20<= 8.73	2240.10 2.35	928.40 1.18	1437.60 0.12	H: 15.97D N: 1.02000	NU: 9		D: TI 48
947.80 0.20	TC 95 -----	765.80 100.00	1074.10 4.00	947.80<= 0.20	605.00 0.10				H: 20.00H N: *****	NU: 4		D: PO 95
947.87 0.20	HO 93H -----	1477.20 100.00	684.70 92.00	263.10 53.00	1364.70 0.94	113.90 0.70	947.87<= 0.20		H: 6.90H N: *****	NU: 6		D: PO 93 *
951.98 100.00	PA 230 -----	951.98<= 100.00	918.52 55.36	898.69 38.63	443.80 38.20	508.20 24.89	398.00 14.14	518.55 14.06	H: 17.50D N: 0.04660	NU:43		D: U 230 *
953.60 6.30	RE 181 -----	365.50 100.00	360.70 21.00	639.00 11.00	953.60<= 6.30	1000.20 5.90	805.20 5.50	661.80 5.20	H: 19.00H N: *****	NU:99		D: K 181 *
954.80 2.15	OS 183H -----	1102.10 100.00	1108.00 45.60	1034.80 12.70	878.40 3.17	484.70 3.17	954.80<= 2.15	400.00 1.52	H: 10.00H N: *****	NU:39		D: RE 183 *
955.80 1.81	AT 210 -----	1181.40 100.00	245.30 80.00	1483.30 46.80	1436.70 29.20	1599.50 13.50	955.80<= 1.81	817.20 1.72	H: 8.30H N: 1.00000	NU:59		D: PO 210 *
957.00 7.32	PB 197H -----	385.60 100.00	222.40 17.90	773.00 13.80	895.00 11.80	695.00 10.20	375.30 8.93	957.00<= 7.32	H: 42.00H N: *****	NU:17		D: TL 197 *
959.70 0.11	TL 202 -----	439.40 100.00	520.30 1.09	959.70<= 0.11					H: 12.20D N: 0.91900	NU: 3		D: HG 202
960.30 100.00	LU 169 -----	960.30<= 100.00	191.30 95.00	1450.40 40.00	889.50 20.00	87.27 13.00	378.60 9.50	1184.50 9.10	H: 34.06H N: *****	NU:95		D: Y 169 *
960.70 100.00	PB 202H -----	960.70<= 100.00	422.12 93.50	786.99 54.31	657.49 35.36	490.47 10.00	459.72 9.40	389.94 6.74	H: 3.62H N: 0.93900	NU:17		D: PB 202 *
961.10 3.80	CO 105 -----	510.80 100.00	2300.80 46.00	961.10<= 3.80	1301.80 3.80	606.60 3.80	347.10 3.20	1692.90 3.10	H: 55.00H N: *****	NU:89		D: AG 105 *
961.10 19.00	IR 184 -----	264.30 100.00	120.20 45.00	390.60 38.50	961.10<= 19.00	841.00 12.00	1105.00 9.50	943.30 9.40	H: 3.20H N: *****	NU:66		D: CS 184
962.00 3.74	ZN 63 -----	511.01 100.00	669.70 47.74	962.00<= 3.74	1411.90 0.41	450.00 0.13	1391.60 0.08	1123.70 0.07	H: 37.85H N: 1.86000	NU:47		D: CU 63 *
962.70 100.00	AM 238 -----	962.70<= 100.00	561.10 39.00	605.20 27.00	1577.50 11.00	357.70 8.10	941.40 7.30	1266.30 6.20	H: 1.90H N: *****	NU:23		D: PU 238 *
964.60 19.90	AC 228 -----	911.10 100.00	568.90 59.90	338.40 42.40	964.60<= 19.90	794.80 16.30	462.80 15.90	270.00 13.00	H: 6.13H N: *****	NU:95		D: TH 228 *
966.00 14.00	PR 134 -----	409.00 100.00	639.00 36.00	557.00 22.00	966.00<= 14.00	383.00 8.00			H: 17.00H N: *****	NU: 5		D: CE 134 *
967.30 6.60	TC 96H -----	773.30 100.00	1200.30 55.80	849.80 18.50	480.70 17.30	719.70 14.20	967.30<= 6.60	1498.30 6.31	H: 51.50H N: *****	NU:15		D: TC 96 *
968.00 59.90	AC 228 -----	911.10 100.00	968.90<= 59.90	338.40 42.40	964.60 19.90	794.80 16.30	462.80 15.90	270.00 13.00	H: 6.13H N: *****	NU:95		D: TH 228 *
969.30 100.00	PA 232 -----	969.30<= 100.00	894.30 48.08	150.10 26.92	453.70 21.88	387.80 18.99	819.20 18.03	866.40 18.03	H: 1.31D N: 0.41600	NU:32		D: U 232 *
970.00 1.21	ZN 61 -----	511.01 100.00	475.20 8.09	1660.50 3.74	970.00<= 1.21	1185.40 0.81	690.40 0.81	1997.10 0.61	H: 86.00S N: 1.98000	NU:47		D: CU 61 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
974.00 0.00	TI 45 -----	511.01 100.00	719.60 0.09	1408.10 0.05	1660.90 0.02	425.00 0.01	1236.50 0.01	974.00<= 0.00	H: 3.08H N: 1.68000	NU: 13	D: SC 45
974.10 4.80	TB 152 -----	344.30 100.00	511.01 100.00	586.30 15.00	271.10 14.00	778.90 8.90	411.10 6.30	974.10<= 4.80	H: 17.50H N: *****	NU: 94	D: GD 152
976.00 35.00	J 120M -----	560.00 100.00	601.00 100.00	614.00 81.00	976.00<= 35.00	1348.00 26.00	1405.00 20.00	1443.00 12.00	H: 40.00M N: *****	NU: 11	D: TE 120
977.40 60.90	IR 187 -----	912.82 100.00	400.90 82.70	610.86 78.20	977.40<= 60.90	177.60 54.60	987.20 54.30	187.40 35.60	H: 11.00H N: *****	NU: 88	D: OS 187
979.20 38.90	LU 168 -----	198.80 100.00	87.80 43.60	979.20<= 38.90	884.70 25.50	896.10 24.90	1164.70 21.10	1136.80 20.90	H: 7.00M N: *****	NU: 94	D: YB 168
983.40 98.04	V 48 -----	511.01 100.00	983.40<= 98.04	1311.90 97.06	944.20 8.73	2240.10 2.35	928.40 1.18	1437.60 0.12	H: 15.970 N: 1.02000	NU: 9	D: TI 48
983.50 100.00	SC 48 -----	983.50<= 100.00	1312.10 100.00	1037.50 98.00	175.40 6.00	1212.60 2.20			H: 1.840 N: 1.00000	NU: 5	D: TI 48
984.00 1.50	SB 118M -----	1229.50 100.00	1050.80 98.00	253.90 93.00	511.01 32.00	41.00 18.00	1091.80 2.40	984.00<= 1.50	H: 5.10H N: 0.01000	NU: 8	D: SN 118
984.00 24.00	ND 139M -----	114.00 100.00	511.01 100.00	984.00<= 24.00	740.00 21.00	327.00 20.00	708.00 14.00		H: 5.50H N: *****	NU: 6	D: ND 139 *
984.00 57.20	BI 204 -----	899.10 100.00	374.40 80.40	984.00<= 57.20	911.90 26.20	670.50 10.50	439.80 3.58	791.10 2.95	H: 11.20H N: *****	NU: 99	D: PB 204
984.30 100.00	NP 238 -----	984.30<= 100.00	1027.40 68.00	1025.90 36.80	923.70 10.00	1029.70 7.60	833.30 3.60	882.37 3.20	H: 50.80H N: 0.25000	NU: 22	D: PU 238 *
985.30 83.00	LU 170 -----	2041.40 100.00	1279.80 96.00	84.26 85.00	985.30<= 83.00	1054.00 59.70	2125.60 59.00	1364.10 48.00	H: 2.020 N: *****	NU: 99	D: YB 170
985.80 4.07	CL 39 -----	1267.20 100.00	250.30 87.04	1517.40 70.37	1091.00 4.81	985.80<= 4.07	1561.60 0.57	1312.10 0.54	H: 56.20H N: 0.54000	NU: 11	D: AR 39 *
987.10 30.00	IR 186M -----	137.10 100.00	767.30 67.00	630.30 62.00	296.90 46.00	773.10 40.00	987.10<= 30.00	636.20 22.00	H: 1.70H N: *****	NU: 8	D: OS 186
987.20 54.30	IR 187 -----	912.82 100.00	400.90 82.70	610.86 78.20	977.40 60.90	177.60 54.60	987.20<= 54.30	187.40 35.60	H: 11.00H N: *****	NU: 88	D: OS 187
987.56 53.40	BI 205 -----	703.40 100.00	1764.27 93.10	987.56<= 53.40	1043.66 23.00	1861.69 17.50	579.78 16.80	570.58 13.20	H: 15.310 N: *****	NU: 79	D: PB 205 *
989.10 0.19	SB 120 -----	511.01 100.00	1171.50 4.12	704.00 0.45	989.10<= 0.19				H: 15.90H N: 1.02000	NU: 4	D: SN 120
989.90 1.00	K 43 -----	372.90 100.00	617.30 87.00	397.00 14.00	593.30 13.00	220.00 5.80	1021.80 2.70	989.90<= 1.00	H: 22.20H N: *****	NU: 12	D: CA 43
991.70 16.00	LU 174M -----	1241.50 100.00	991.70<= 16.00	272.90 15.00	175.90 13.00	1264.00 0.48	1318.00 0.42		H: 140.000 N: *****	NU: 6	D: LU 174 *
992.20 22.96	GA 64 -----	511.01 100.00	992.20<= 22.96	3366.90 8.16	809.40 7.14	1387.80 6.63	2195.60 6.12	919.10 3.88	H: 2.60M N: 1.96000	NU: 29	D: ZN 64
992.30 100.00	PD 207 -----	992.30<= 100.00	742.60 48.40	911.80 29.90	405.70 16.80	1148.30 10.20	627.60 3.37	345.20 3.31	H: 5.70H N: *****	NU: 39	D: BI 207 *
993.10 2.60	TC 94M -----	871.10 100.00	1522.00 5.90	1868.80 5.80	2740.00 3.80	993.10<= 2.60	3120.20 1.20	1196.20 0.90	H: 52.00H N: *****	NU: 10	D: PD 94
997.50 15.00	IN 110M -----	937.50 100.00	706.80 46.00	641.60 38.00	997.50<= 15.00	581.60 10.00	584.20 10.00	461.00 8.00	H: 4.90H N: *****	NU: 42	D: CD 110
998.50 6.00	IN 106 -----	511.01 100.00	1716.50 87.00	632.80 67.00	225.20 66.00	861.80 18.00	998.50<= 6.00	1009.60 4.00	H: 5.38M N: *****	NU: 33	D: CD 106
999.20 5.53	DY 155 -----	226.94 100.00	90.32 23.09	511.01 7.35	1088.90 6.10	999.20<= 5.53	184.53 5.51	905.10 5.00	H: 9.60H N: 0.68000	NU: 98	D: TB 155 *
1000.20 5.90	RE 181 -----	365.50 100.00	360.70 21.00	639.00 11.00	953.60 6.30	1000.20<= 5.90	805.20 5.50	661.80 5.20	H: 19.00H N: *****	NU: 99	D: H 181 *
1000.70 3.79	PR 136 -----	511.01 100.00	552.20 63.33	540.00 44.09	1092.30 15.76	461.00 7.35	1000.70<= 3.79	1602.70 3.18	H: 13.10M N: 0.66000	NU: 68	D: CE 136
1001.20 100.00	PA 234M -----	1001.20<= 100.00	766.60 34.30	743.00 9.50	257.90 8.00	786.40 5.75	1738.20 2.00	1831.50 1.83	H: 1.18M N: *****	NU: 63	D: U 234
1004.50 0.26	SB 117 -----	158.50 100.00	511.01 5.75	861.70 0.33	1004.50<= 0.26	1021.00 0.11	1020.60 0.11	553.10 0.08	H: 2.80H N: 0.87000	NU: 14	D: SN 117
1009.60 4.00	IN 106 -----	511.01 100.00	1716.50 87.00	632.80 67.00	225.20 66.00	861.80 18.00	998.50 6.00	1009.60<= 4.00	H: 5.38M N: *****	NU: 33	D: CD 106
1013.80 21.74	PN 148M -----	550.20 100.00	629.90 95.65	725.70 34.78	915.40 21.74	1013.80<= 21.74	414.10 19.57	288.00 13.04	H: 41.800 N: 0.92000	NU: 13	D: SP 148

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
1015.70 10.00	EU 142 -----	768.20 100.00	556.80 94.00	1022.90 94.00	1015.70<= 10.00	563.90 10.00				H: 1.20M N: *****	NU: 5	D: SP 142 *
1015.90 0.68	RB 84 -----	881.50 100.00	511.01 56.76	1897.40 10.81	1015.90<= 0.68					H: 34.50D N: 0.74000	NU: 4	D: KR 84
1016.50 32.83	AS 68 -----	511.01 100.00	1016.50<= 32.83	762.60 11.62	651.20 11.62	1778.70 10.61	613.50 2.78	1263.50 1.82		H: 159.00S N: 1.98000	NU: 21	D: GE 68 *
1020.30 0.04	BR 78 -----	511.01 100.00	613.90 7.61	694.80 0.05	1020.30<= 0.04	884.50 0.04	1720.60 0.03	1922.60 0.03		H: 6.50M N: 1.84000	NU: 20	D: SE 78
1020.60 0.11	SB 117 -----	158.50 100.00	511.01 5.75	861.70 0.33	1004.50 0.26	1021.00 0.11	1020.60<= 0.11	553.10 0.08		H: 2.80H N: 0.87000	NU: 14	D: SN 117
1021.00 0.11	SB 117 -----	158.50 100.00	511.01 5.75	861.70 0.33	1004.50 0.26	1021.00<= 0.11	1020.60 0.11	553.10 0.08		H: 2.80H N: 0.87000	NU: 14	D: SN 117
1021.80 2.70	K 43 -----	372.90 100.00	617.30 87.00	397.00 14.00	593.30 13.00	220.00 5.80	1021.80<= 2.70	989.90 1.00		H: 22.20H N: *****	NU: 1?	D: CA 43
1022.90 94.00	EU 142 -----	768.20 100.00	556.80 94.00	1022.90<= 94.00	1015.70 10.00	563.90 10.00				H: 1.20M N: *****	NU: 5	D: SM 142 *
1023.30 97.10	SB 120H -----	197.30 100.00	1171.70 98.00	1023.30<= 97.10	89.80 83.30	1113.40 0.88				H: 5.80D N: *****	NU: 5	D: SN 120
1025.90 36.80	NP 238 -----	984.30 100.00	1027.40 68.00	1025.90<= 36.80	923.70 10.00	1029.70 7.60	833.30 3.60	882.37 3.20		H: 50.80H N: 0.25000	NU: 22	D: PU 238 *
1026.30 100.00	PB 200 -----	1026.30<= 100.00	462.00 63.00	419.60 53.00	245.00 22.00	493.60 7.60	545.70 4.60	810.20 4.20		H: 21.50H N: *****	NU: 10	D: TL 200 *
1027.40 68.00	NP 238 -----	984.30 100.00	1027.40<= 68.00	1025.90 36.80	923.70 10.00	1029.70 7.60	833.30 3.60	882.37 3.20		H: 50.80H N: 0.25000	NU: 22	D: PU 238 *
1028.00 0.40	J 130H -----	536.08 100.00	586.10 8.73	1615.00 3.83	1122.00 1.22	1028.00<= 0.40	1966.00 0.39	1380.00 0.30		H: 8.82M N: 0.15800	NU: 14	D: J 130 *
1029.00 7.42	Y 85 -----	232.00 100.00	2123.00 25.93	768.00 20.00	1404.00 15.43	2173.00 11.13	1220.00 7.60	1029.00<= 7.42		H: 4.90H N: 0.22100	NU: 28	D: SR 85 *
1029.70 7.60	NP 238 -----	984.30 100.00	1027.40 68.00	1025.90 36.80	923.70 10.00	1029.70<= 7.60	833.30 3.60	882.37 3.20		H: 50.80H N: 0.25000	NU: 22	D: PU 238 *
1031.00 11.49	LA 132 -----	464.00 100.00	567.00 20.54	193.00 14.86	1909.00 12.57	663.00 11.76	1031.00<= 11.49	540.00 8.78		H: 4.50H N: 0.74000	NU: 99	D: BA 132
1032.80 1.29	HO 91H -----	652.80 100.00	1507.60 43.64	1208.00 34.87	2240.70 1.62	2238.50 1.53	1032.80<= 1.29	1082.30 0.87		H: 1.02M N: 0.45600	NU: 10	D: MO 91 *
1033.30 28.00	BI 203 -----	819.90 100.00	898.20 55.50	825.20 54.40	1847.30 34.90	1033.30<= 28.00	1679.60 26.90	847.00 26.70		H: 11.80H N: *****	NU: 73	D: PB 203
1034.80 12.70	OS 183H -----	1102.10 100.00	1108.00 45.60	1034.80<= 12.70	878.40 3.17	484.70 3.17	954.80 2.15	400.00 1.52		H: 10.00H N: *****	NU: 39	D: RE 183 *
1035.10 1.91	CU 60 -----	511.01 100.00	1332.50 47.45	1791.60 24.18	826.40 11.14	3124.40 2.57	1861.60 2.54	1035.10<= 1.91		H: 24.00H N: 1.84000	NU: 74	D: NT 60
1036.03 47.27	AM 246H -----	1078.90 100.00	798.83 90.91	1062.07 62.73	1036.03<= 47.27	833.62 6.64	1085.10 5.64	734.46 4.27		H: 25.00H N: *****	NU: 80	D: CM 246
1037.50 98.00	SC 48 -----	983.50 100.00	1312.10 100.00	1037.50<= 98.00	175.40 6.00	1212.60 2.20				H: 1.84D N: 1.00000	NU: 5	D: TI 48
1037.85 30.47	CO 56 -----	846.74 100.00	1238.28 69.94	511.01 48.48	1037.85<= 30.47	2598.57 16.90	1771.48 15.79	2034.90 7.82		H: 77.30D N: 0.98800	NU: 45	D: FE 56
1038.10 100.00	PR 138H -----	738.90 100.00	1038.10<= 100.00	302.60 81.70	511.01 63.00	390.90 6.05	547.80 5.22	635.90 1.78		H: 2.10H N: *****	NU: 51	D: CE 138
1039.25 5.00	TC 95H -----	204.12 100.00	582.07 55.00	835.13 45.00	786.18 15.00	820.61 8.00	765.80 6.00	1039.25<= 5.00		H: 60.00D N: *****	NU: 13	D: MO 95
1039.30 32.17	GA 66 -----	511.01 100.00	1039.30<= 32.17	2752.00 20.00	833.50 5.13	2189.90 4.87	4295.80 2.96	1918.64 1.83		H: 9.30H N: 1.15000	NU: 61	D: ZN 66
1039.60 51.00	AS 70 -----	511.01 100.00	1039.60<= 51.00	744.00 12.97	668.20 12.97	1114.40 12.97	1707.90 11.00	595.20 10.00		H: 53.00M N: 0.80200	NU: 67	D: GE 70
1041.20 5.50	IN 121H -----	60.10 100.00	1041.20<= 5.50	1102.20 4.50	321.00 2.50	1120.40 2.50	908.90 1.63	2803.80 0.55		H: 3.76M N: *****	NU: 11	D: SN 121 *
1043.66 23.90	BI 205 -----	703.40 100.00	1764.27 93.10	987.56 53.40	1043.66<= 23.90	1861.69 17.50	579.78 16.80	570.58 13.20		H: 15.31D N: *****	NU: 79	D: PB 205 *
1043.90 30.00	AG 106H -----	511.01 100.00	450.60 31.00	717.20 30.00	1043.90<= 30.00	747.50 22.00	615.10 22.00	429.00 17.00		H: 8.50D N: *****	NU: 34	D: PD 106
1046.40 0.16	NI 57 -----	1377.70 100.00	511.01 97.47	127.10 18.99	1919.50 18.99	1757.70 8.35	1046.40<= 0.16	2804.00 0.13		H: 35.94H N: 0.79000	NU: 19	D: CO 57 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H:HALF LIFE NU:NUMBER	D:DAUGHTER OF ENERGIES	N:NORMAL FACTOR IN TABLE I
1046.59 35.79	RH 102H -----	475.06 100.00	631.29 58.95	697.49 46.32	766.84 35.79	1046.59<= 35.79	418.50 9.89	628.05 8.74	H: 2.90A N: 0.95000	NU:15	D:RU 102	
1046.70 36.05	RH 106H -----	511.70 100.00	1046.70<= 36.05	716.60 33.72	450.80 27.91	616.10 23.60	748.50 22.09	1529.40 20.93	H: 2.20H N: 0.86000	NU:38	D:PD 106	
1047.70 54.00	TL 193 -----	324.20 100.00	1047.70<= 54.00	344.10 44.00	676.20 41.00	335.30 27.00	284.60 22.00	207.80 21.00	H: 21.60H N: *****	NU: 7	D:HG 193	
1048.10 81.00	CS 136 -----	818.48 100.00	1048.10<= 81.00	340.60 45.00	1235.41 20.00	66.90 14.00	176.75 13.00	273.76 13.00	H: 13.00D N: 1.00000	NU:15	D:BA 136	
1050.10 0.54	AG 106 -----	511.01 100.00	511.80 15.65	622.00 1.30	873.30 0.62	1050.10<= 0.54	616.00 0.40	1127.90 0.23	H: 24.00H N: 1.24000	NU:13	D:PD 106	
1050.76 1.23	AS 72 -----	834.00 100.00	629.93 10.20	1464.00 1.43	1050.76<= 1.23	894.27 0.99	2105.90 0.93	2201.74 0.65	H: 26.00H N: *****	NU:60	D:GE 72	
1050.80 98.00	SB 118H -----	1229.50 100.00	1050.80<= 98.00	253.90 93.00	511.01 32.00	41.00 18.00	1091.80 2.40	984.00 1.50	H: 5.10H N: 0.01000	NU: 8	D:SN 118	
1054.00 59.70	LU 170 -----	2041.40 100.00	1279.80 96.00	84.26 85.00	985.30 83.00	1054.00<= 59.70	2125.60 59.00	1364.10 48.00	H: 2.02D N: *****	NU:99	D:YB 170	
1057.90 4.40	AU 190 -----	296.00 100.00	302.00 33.00	597.90 12.40	319.30 6.50	441.50 5.25	1441.20 4.50	1057.90<= 4.40	H: 39.00H N: *****	NU:65	D:PT 190	
1062.07 62.73	AM 246H -----	1078.90 100.00	798.83 90.91	1062.07<= 62.73	1036.03 47.27	833.62 6.64	1085.10 5.64	734.46 4.27	H: 25.00H N: *****	NU:80	D:CM 246	
1062.90 100.00	BI 198 -----	1062.90<= 100.00	562.00 66.00	197.40 62.00	317.50 37.00				H: 11.80H N: *****	NU: 4	D:PB 198	
1063.62 76.00	BI 207 -----	569.67 100.00	1063.62<= 76.00	1770.22 7.50	897.30 0.16				H: 38.00A N: 0.97900	NU: 4	D:PB 207	
1065.00 21.00	TB 156 -----	534.10 100.00	199.20 61.00	1222.10 46.00	88.93 29.00	1067.00 21.00	1065.00<= 21.00	356.39 19.00	H: 5.10D N: *****	NU:44	D:GD 156	
1065.10 9.09	IN 119H -----	311.30 100.00	1065.10<= 9.09	1249.60 6.82	1225.60 5.46	1163.70 4.63	897.60 1.36	920.60 1.18	H: 18.00H N: *****	NU: 8	D:SN 119	
1067.00 21.00	TB 156 -----	534.10 100.00	199.20 61.00	1222.10 46.00	88.93 29.00	1067.00<= 21.00	1065.00 21.00	356.39 19.00	H: 5.10D N: *****	NU:44	D:GD 156	
1069.50 12.30	GD 147 -----	229.25 100.00	396.02 53.10	929.10 33.10	370.00 27.10	766.00 18.20	893.60 13.80	1069.50<= 12.30	H: 35.00H N: *****	NU:96	D:EU 147	
1072.00 100.00	HF 171 -----	1072.00<= 100.00	662.00 76.00	123.00 50.00	469.00 42.00	347.00 40.00	295.00 35.00	137.00 23.50	H: 12.00H N: *****	NU:14	D:LU 171	
1074.10 4.00	TC 95 -----	765.80 100.00	1074.10<= 4.00	947.80 0.20	605.00 0.10				H: 20.00H N: *****	NU: 4	D:MO 95	
1076.00 100.00	Y 86 -----	1076.00<= 100.00	1153.00 36.59	627.70 35.37	1920.00 30.49	778.50 25.61	1854.50 21.95	442.00 21.95	H: 14.74H N: 0.82000	NU:78	D:SR 86	
1077.10 13.80	TB 148 -----	783.40 100.00	511.00 44.00	489.10 29.50	1077.10<= 13.80	631.10 13.30	1860.10 6.52	1401.40 2.50	H: 70.00H N: *****	NU:59	D:GD 148	
1077.50 1.98	GA 68 -----	511.01 100.00	1077.50<= 1.98	1883.50 0.08	1261.30 0.05	805.70 0.05	165.90 0.04	578.40 0.02	H: 68.30H N: 1.76000	NU: 9	D:ZN 68	
1078.62 8.16	BI 212 -----	727.15 100.00	1620.54 23.24	785.40 16.86	39.86 16.54	1078.62<= 8.16	893.41 5.57	452.80 5.35	H: 60.60H N: 0.18500	NU:19	D:PO 212	
1078.90 100.00	AM 246H -----	1078.90<= 100.00	798.83 90.91	1062.07 62.73	1036.03 47.27	833.62 6.64	1085.10 5.64	734.46 4.27	H: 25.00H N: *****	NU:80	D:CM 246	
1082.30 0.87	MO 91H -----	652.80 100.00	1507.60 43.64	1208.00 34.87	2240.70 1.62	2238.50 1.53	1032.80 1.29	1082.30<= 0.87	H: 1.02H N: 0.45600	NU:10	D:PO 91	
1083.90 5.45	AU 188 -----	265.60 100.00	339.90 23.50	605.60 14.60	405.00 8.20	670.40 7.35	532.90 5.49	1083.90<= 5.45	H: 8.00H N: *****	NU:96	D:PT 188	
1085.10 5.64	AM 246H -----	1078.90 100.00	798.83 90.91	1062.07 62.73	1036.03 47.27	833.62 6.64	1085.10<= 5.64	734.46 4.27	H: 25.00H N: *****	NU:80	D:CM 246	
1087.66 0.19	AU 198 -----	411.79 100.00	675.87 1.06	1087.66<= 0.19					H: 64.71H N: 0.95500	NU: 3	D:HG 198	
1088.90 6.10	OY 155 -----	226.94 100.00	90.32 23.09	511.01 7.35	1088.90<= 6.10	999.20 5.53	184.53 5.51	905.10 5.00	H: 9.60H N: 0.68000	NU:98	D:TB 155	
1091.00 4.81	CL 39 -----	1267.20 100.00	250.30 87.04	1517.40 70.37	1091.00<= 4.81	985.80 4.07	1561.60 0.57	1312.10 0.54	H: 56.20H N: 0.54000	NU:11	D:AR 39	
1091.30 0.17	AU 196 -----	355.70 100.00	332.90 26.60	426.00 7.66	1091.30<= 0.17	758.90 0.05	521.30 0.04	393.40 0.01	H: 6.18D N: 0.94000	NU:16	D:PT 196	
1091.40 51.00	NB 96 -----	778.20 100.00	568.70 56.00	1091.40<= 51.00	460.10 26.80	849.80 21.00	1200.50 20.50	810.40 9.00	H: 23.50H N: *****	NU:20	D:PO 96	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN	N: NORMAL FACTOR TABLE I
1001.40 0.95	TC 96 -----	778.30 100.00	850.00 57.40	812.70 82.20	1126.90 14.40	314.40 2.29	316.40 1.68	1091.40<= 0.95	H: 4.300 N: 1.00000	NU: 22	D: HO 96
1091.80 2.40	SB 118M -----	1229.50 100.00	1050.80 98.00	253.90 93.00	511.01 32.00	41.00 18.00	1091.80<= 2.40	984.00 1.50	H: 5.10H N: 0.01000	NU: 8	D: SN 118
1092.30 15.76	PR 136 -----	511.01 100.00	552.20 63.33	540.00 44.09	1092.30<= 15.76	461.00 7.35	1000.70 3.79	1602.70 3.18	H: 13.1CH N: 0.66000	NU: 68	D: CE 136
1093.40 5.70	XE 123 -----	148.90 100.00	178.10 30.50	330.20 17.50	511.01 8.09	1093.40<= 5.70	899.60 5.00	1113.10 3.20	H: 2.1CH N: *****	NU: 99	D: J 123 *
1093.40 69.60	LU 172 -----	900.60 100.00	372.50 79.37	809.90 71.03	1093.40<= 69.60	528.22 59.84	410.31 53.65	697.20 36.90	H: 6.7CD N: *****	NU: 78	D: YB 172
1095.50 4.50	AS 71 -----	174.90 100.00	1095.50<= 4.50	499.90 3.70	326.80 3.30	526.60 0.87	1139.30 0.83	391.40 0.67	H: 64.00H N: *****	NU: 72	D: GE 71 *
1096.90 31.43	RU 95 -----	336.40 100.00	511.01 42.86	1096.90<= 31.43	626.84 25.71	1178.80 7.57	806.40 6.00	1182.00 5.71	H: 1.65H N: 0.70000	NU: 38	D: TC 95 *
1097.80 29.00	RH 96M -----	832.30 100.00	1097.80<= 29.00	1692.30 25.00	2164.10 12.00	2256.50 7.00	1907.50 5.00	2456.00 3.50	H: 1.45H N: *****	NU: 11	D: RU 96
1098.00 48.60	MN 50 -----	511.01 100.00	1098.00<= 48.60	783.30 47.15	1443.30 32.55	1282.40 15.55	661.50 11.80	1944.50 1.84	H: 1.75H N: 2.00000	NU: 15	D: CR 50
1102.10 100.00	OS 183M -----	1102.10<= 100.00	1108.00 45.60	1034.80 12.70	878.40 3.17	484.70 3.17	954.80 2.15	400.00 1.52	H: 10.00H N: *****	NU: 39	D: RE 183 *
1102.20 4.50	IN 121M -----	60.10 100.00	1041.20 5.50	1102.20<= 4.50	321.00 2.50	1120.40 2.50	908.90 1.63	2803.80 0.55	H: 3.76H N: *****	NU: 11	D: SN 121 *
1103.16 6.30	RH 102 -----	475.06 100.00	511.01 54.35	628.05 9.78	468.58 6.30	1103.16<= 6.30	556.60 4.35	680.66 1.26	H: 206.CCD N: 0.46000	NU: 25	D: RU 102
1105.00 9.50	IR 184 -----	264.30 100.00	120.20 45.00	390.60 38.50	961.10 19.00	841.00 12.00	1105.00<= 9.50	943.30 9.40	H: 3.2CH N: *****	NU: 66	D: CS 184
1106.11 25.40	TA 178 -----	511.01 100.00	1350.55 56.00	1340.84 48.80	1106.11<= 25.40	1402.87 22.90	1496.10 12.90	1183.40 7.92	H: 9.30H N: *****	NU: 28	D: HF 178
1106.30 18.00	RH 100 -----	539.40 100.00	2376.00 40.00	1552.50 28.00	822.20 27.00	1362.40 20.00	1106.30<= 18.00	445.50 15.80	H: 20.00H N: *****	NU: 31	D: RU 100
1107.60 0.87	SI 33 -----	1847.70 100.00	1431.40 15.00	2539.00 9.60	416.30 8.70	1107.60<= 0.87	691.30 0.43		H: 6.30S N: *****	NU: 6	D: P 33 *
1108.00 45.60	OS 183M -----	1102.10 100.00	1108.00<= 45.60	1034.80 12.70	878.40 3.17	484.70 3.17	954.80 2.15	400.00 1.52	H: 10.00H N: *****	NU: 39	D: RE 183 *
1109.50 3.83	PB 211 -----	404.90 100.00	832.00 99.30	427.00 45.00	766.40 18.50	704.50 12.60	1109.50<= 3.83	65.50 2.00	H: 36.10H N: *****	NU: 30	D: BI 211 *
1110.20 0.65	RE 184M -----	920.90 100.00	216.40 11.30	317.60 8.10	536.50 4.90	384.00 4.05	1174.10 1.10	1110.20<= 0.65	H: 165.00D N: *****	NU: 7	D: RE 184 *
1110.80 0.15	SE 73 -----	511.01 100.00	360.90 78.13	67.00 57.03	864.90 0.43	1110.80<= 0.15	901.10 0.12	764.40 0.11	H: 7.10H N: 1.28000	NU: 20	D: AS 73 *
1113.10 3.20	XE 123 -----	148.90 100.00	178.10 30.50	330.20 17.50	511.01 8.09	1093.40 5.70	899.60 5.00	1113.10<= 3.20	H: 2.10H N: *****	NU: 99	D: J 123 *
1113.40 0.88	SB 120M -----	197.30 100.00	1171.70 98.00	1023.30 97.10	89.80 83.30	1113.40<= 0.88			H: 5.80D N: *****	NU: 5	D: SN 120
1113.50 100.00	ER 163 -----	1113.50<= 100.00	436.10 58.20	439.90 56.30	297.80 23.50	875.80 14.10	339.80 6.81	614.30 6.81	H: 75.00M N: *****	NU: 24	D: HO 163 *
1114.40 12.97	AS 70 -----	511.01 100.00	1039.60 51.00	744.00 12.97	668.20 12.97	1114.40<= 12.97	1707.90 11.00	595.20 10.00	H: 53.00M N: 0.80200	NU: 67	D: GE 70
1120.40 2.50	IN 121M -----	60.10 100.00	1041.20 5.50	1102.20 4.50	321.00 2.50	1120.40<= 2.50	908.90 1.63	2803.80 0.55	H: 3.76H N: *****	NU: 11	D: SN 121 *
1120.40 32.56	RA 226 -----	609.40 100.00	351.99 81.40	295.22 41.86	1764.70 39.53	1120.40<= 32.56	241.92 17.21	1238.20 14.88	H: 160.01E N: 0.43000	NU: 62	D: RN 222 *
1122.00 1.22	J 130M -----	536.08 100.00	586.10 8.73	1615.00 3.83	1122.00<= 1.22	1028.00 0.40	1966.00 0.39	1380.00 0.30	H: 8.82M N: 0.15800	NU: 14	D: J 130 *
1123.70 0.07	ZN 63 -----	511.01 100.00	669.70 47.74	962.00 3.74	1411.90 0.41	450.00 0.13	1391.60 0.08	1123.70<= 0.07	H: 37.85M N: 1.86000	NU: 47	D: CU 63 *
1124.90 4.07	Hg 162M -----	185.00 100.00	1220.00 78.40	282.90 39.30	937.20 37.30	80.70 31.10	1319.60 7.26	1124.90<= 4.07	H: 68.00M N: *****	NU: 42	D: HO 162
1125.00 0.33	AG 110 -----	657.70 100.00	815.50 0.85	1125.90<= 0.33	295.90 0.17	1674.90 0.15	1764.40 0.13	1474.50 0.10	H: 24.60S N: 0.04500	NU: 12	D: CD 110
1126.80 16.67	NO 141 -----	511.01 100.00	1126.80<= 16.67	1147.50 6.67	1292.60 5.00	1298.60 5.00	146.60 3.33		H: 2.60H N: 0.06000	NU: 6	D: PR 141

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN	D: DAUGHTER NU: NUMBER OF ENERGIES IN	N: NORMAL FACTOR TABLE I
1126.90 14.40	TC 96 -----	778.30 100.00	850.00 97.40	812.70 92.20	1126.90<= 14.40	314.40 2.29	316.40 1.68	1091.40 0.95	H: 4.30D N: 1.00000	NU:22	D:PO 96	
1127.90 0.23	AG 106 -----	511.01 100.00	511.80 15.65	622.00 1.30	873.30 0.62	1050.10 0.54	616.00 0.40	1127.90<= 0.23	H: 24.00M N: 1.24000	NU:13	D:PD 106	
1128.99 16.00	CO 62M -----	1173.02 100.00	2301.96 19.00	1128.99<= 16.00	1985.00 2.80	2345.80 1.30	3158.40 1.00	1886.30 0.50	H: 1.40M N: *****	NU: 9	D:NI 62	
1129.10 0.02	CU 62 -----	511.01 100.00	1173.00 0.18	875.70 0.08	2301.00 0.02	1129.10<= 0.02	3369.90 0.01	2084.70 0.00	H: 9.75M N: 1.96000	NU:16	D:NI 62	
1129.10 100.00	HB 90 -----	1129.10<= 100.00	2318.60 92.13	141.15 75.28	2186.20 20.11	132.60 4.94	1612.10 4.49	827.70 2.25	H: 14.60H N: 0.89000	NU:12	D:ZR 90	
1130.00 1.56	AL 26 -----	511.01 100.00	1809.00 62.38	1130.00<= 1.56	2938.00 0.15				H: 6.40S N: 1.60000	NU: 4	D:PG 26	
1130.00 2.14	CO 107 -----	511.01 100.00	828.90 37.50	796.00 14.46	422.60 7.14	898.00 2.68	1130.00<= 2.14	596.80 1.79	H: 6.50H N: 0.00560	NU:16	D:AG 107M*	
1135.60 0.52	CS 132 -----	667.50 100.00	464.50 1.92	629.80 1.04	505.80 0.82	1135.60<= 0.52	511.01 0.37	566.90 0.25	H: 6.47D N: 0.99000	NU:14	D:XE 132	
1136.80 20.90	LU 168 -----	198.80 100.00	87.80 43.60	979.20 38.90	884.70 25.50	896.10 24.90	1164.70 21.10	1136.80<= 20.90	H: 7.00M N: *****	NU:94	D:YB 168	
1139.00 57.00	HO 170M -----	932.00 100.00	853.00 70.00	182.00 67.00	889.00 57.00	1139.00<= 57.00	786.00 47.00	740.00 37.00	H: 2.90M N: *****	NU:10	D:HO 170 *	
1139.10 20.00	Y 94 -----	918.20 100.00	1139.10<= 20.00	550.10 8.40	1668.60 6.20	750.50 4.60	381.80 3.20	1915.61 2.80	H: 19.40M N: 0.50000	NU:15	D:ZR 94	
1139.30 0.83	AS 71 -----	174.90 100.00	1095.50 4.50	499.90 3.70	326.80 3.30	526.60 0.87	1139.30<= 0.83	391.40 0.67	H: 64.00H N: *****	NU:72	D:GE 71 *	
1141.70 9.00	RB 78 -----	455.60 100.00	103.10 66.00	663.80 30.00	726.00 10.00	1141.70<= 9.00			H: 6.00M N: *****	NU: 5	D:KR 78	
1145.10 11.70	SM 141M -----	156.60 100.00	431.80 54.40	777.40 27.30	1786.40 14.70	1490.30 12.50	911.30 12.40	1145.10<= 11.70	H: 22.10M N: *****	NU:47	D:PM 141 *	
1147.50 6.67	ND 141 -----	511.01 100.00	1126.80 16.67	1147.50<= 6.67	1292.60 5.00	1298.60 5.00	146.60 3.33		H: 2.60H N: 0.06000	NU: 6	D:PR 141	
1148.30 10.20	PO 207 -----	992.30 100.00	742.60 48.40	911.80 29.90	405.70 16.80	1148.30<= 10.20	687.60 3.37	345.20 3.31	H: 5.70H N: *****	NU:39	D:BI 207 *	
1148.80 7.00	IN 109 -----	203.30 100.00	623.80 7.10	1148.80<= 7.00	426.20 5.30	650.10 3.80	1622.50 3.00	614.00 2.80	H: 4.30H N: *****	NU:55	D:CO 109 *	
1152.00 3.09	SN 111 -----	511.01 100.00	1152.00<= 3.09	761.00 1.89	1914.00 1.89	1610.00 1.39	1541.00 0.90	2099.00 0.46	H: 35.50M N: 0.54000	NU: 9	D:IN 111 *	
1152.40 0.90	AL 29 -----	1273.50 100.00	2425.70 6.04	2027.80 3.74	1152.40<= 0.90	754.50 0.24	397.90 0.03	1795.70 0.02	H: 6.60M N: 0.91000	NU: 8	D:SI 29	
1153.00 36.59	Y 86 -----	1076.00 100.00	1153.00<= 36.59	627.70 35.37	1920.00 30.49	778.50 25.61	1854.50 21.95	442.00 21.95	H: 14.74H N: 0.82000	NU:78	D:SR 86	
1153.00 100.00	TB 147 -----	1153.00<= 100.00	139.80 44.93	694.50 40.80	511.01 13.47	119.70 8.93	554.90 5.07	2684.00 4.53	H: 24.00M N: 0.75000	NU:18	D:GD 147 *	
1154.63 2.33	TM 164 -----	511.01 100.00	91.39 9.34	1154.63<= 2.33	768.92 1.99	208.08 1.65	860.31 1.56	1610.74 1.55	H: 2.00M N: 0.78200	NU:93	D:ER 164	
1157.00 3.14	SC 44M -----	271.19 100.00	1157.00<= 3.14						H: 2.44D N: 0.86000	NU: 2	D:SC 44 *	
1157.00 50.00	SC 44 -----	511.01 100.00	1157.00<= 50.00	1499.60 0.43	2656.60 0.11				H: 3.90H N: 1.88000	NU: 4	D:CA 44	
1157.25 12.83	J 130 -----	536.08 100.00	668.46 97.49	739.45 82.06	418.00 31.86	1157.25<= 12.83	586.10 1.54	686.06 0.92	H: 12.30H N: 0.99800	NU:24	D:XE 130	
1159.30 100.00	TA 176 -----	1159.30<= 100.00	201.84 24.36	1224.90 23.17	1584.00 22.02	710.49 21.33	1696.50 19.50	1823.60 18.72	H: 8.00H N: 0.21900	NU:99	D:HF 176	
1160.00 0.16	ZP 87 -----	511.01 100.00	1228.00 2.30	1210.00 0.73	793.00 0.36	1202.00 0.25	2220.00 0.23	1160.00<= 0.16	H: 1.60H N: 1.65000	NU:15	D:Y 87M*	
1162.70 1.50	OS 183 -----	381.80 100.00	114.43 27.00	167.90 10.00	851.00 5.00	236.30 2.90	145.43 1.90	1162.70<= 1.50	H: 14.00H N: *****	NU:37	D:RE 183 *	
1163.50 71.00	CO 62 -----	1173.02 100.00	1163.50<= 71.00	2003.90 19.00	1719.10 7.10	2104.90 6.40	777.80 2.00	2302.00 1.90	H: 13.50M N: *****	NU:12	D:NI 62	
1163.70 4.63	IN 119M -----	311.30 100.00	1065.10 9.09	1249.60 6.82	1225.60 5.46	1163.70<= 4.63	897.60 1.36	920.60 1.18	H: 18.00M N: *****	NU: 8	D:SN 119	
1164.40 6.20	RH 96 -----	684.60 100.00	832.30 100.00	630.70 78.00	741.20 32.00	1228.40 16.00	1164.40<= 6.20	1738.50 5.40	H: 5.50M N: *****	NU:20	D:RU 96	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE	D: DAUGHTER	N: NORMAL FACTOR
										NU: NUMBER OF ENERGIES IN TABLE I		
1164.40 4.80	RH 98 -----	652.60 100.00	745.40 5.60	1817.00 5.00	1164.40<= 4.80	762.30 1.80	1414.90 1.20	597.70 0.80	H: 8.30H N: *****	NU: 7	D: RU 98	
1164.70 21.10	LU 168 -----	158.80 100.00	87.80 43.60	979.20 38.90	884.70 25.50	896.10 24.90	1164.70<= 21.10	1136.80 20.90	H: 7.00H N: *****	NU: 94	D: YB 168	
1165.00 14.79	PH 150 -----	334.00 100.00	1165.00<= 14.79	1331.00 14.79	716.00 12.96	831.00 10.00	402.00 6.48	877.00 6.06	H: 2.68H N: 0.71000	NU: 8	D: SM 150	
1171.50 4.12	SB 120 -----	511.01 100.00	1171.50<= 4.12	704.00 0.45	989.10 0.19				H: 15.90H N: 1.02000	NU: 4	D: SN 120	
1171.70 98.00	SB 120H -----	197.30 100.00	1171.70<= 98.00	1023.30 97.10	89.80 83.30	1113.40 0.88			H: 5.80D N: *****	NU: 5	D: SN 120	
1172.90 0.03	SB 118 -----	511.01 100.00	1229.50 1.64	1267.00 0.38	528.20 0.25	826.90 0.24	1699.70 0.04	1172.90<= 0.03	H: 3.50H N: 1.51000	NU: 14	D: SN 118	
1173.00 0.18	CU 62 -----	511.01 100.00	1173.00<= 0.18	875.70 0.08	2301.00 0.02	1129.10 0.02	3369.90 0.01	2084.70 0.00	H: 9.75H N: 1.96000	NU: 16	D: NI 62	
1173.02 100.00	CO 62H -----	1173.02<= 100.00	2301.96 19.00	1128.99 16.00	1985.00 2.80	2345.80 1.30	3158.40 1.00	1886.30 0.50	H: 1.40H N: *****	NU: 9	D: NI 62	
1173.02 100.00	CO 62 -----	1173.02<= 100.00	1163.50 71.00	2003.00 19.00	1718.10 7.10	2104.90 6.40	777.80 2.00	1302.00 1.80	H: 17.90H N: *****	NU: 17	D: NI 62	
1174.10 1.10	RE 184H -----	920.90 100.00	216.40 11.30	317.60 8.10	536.50 4.90	384.00 4.05	1174.10<= 1.10	1110.20 0.65	H: 165.00D N: *****	NU: 7	D: RE 184 *	
1177.50 12.00	CL 34H -----	511.01 100.00	146.50 45.00	2128.50 38.00	1177.50<= 12.00	3305.00 12.00			H: 32.00H N: 1.00000	NU: 5	D: CL 34 *	
1178.80 7.57	RU 95 -----	336.40 100.00	511.01 42.86	1096.90 31.43	626.84 25.71	1178.80<= 7.57	806.40 6.00	1182.00 5.71	H: 1.65H N: 0.70000	NU: 38	D: TC 95 *	
1181.40 100.00	AT 210 -----	1181.40<= 100.00	245.30 80.00	1483.30 46.80	1436.70 29.20	1599.50 13.50	955.80 1.81	817.20 1.72	H: 8.30H N: 1.00000	NU: 59	D: PO 210 *	
1182.00 5.71	RU 95 -----	336.40 100.00	511.01 42.86	1096.90 31.43	626.84 25.71	1178.80 7.57	806.40 6.00	1182.00<= 5.71	H: 1.65H N: 0.70000	NU: 38	D: TC 95 *	
1183.40 7.92	TA 178 -----	511.01 100.00	1350.55 56.00	1340.84 48.80	1106.11 25.40	1402.87 22.90	1496.10 12.90	1183.40<= 7.92	H: 9.30H N: *****	NU: 28	D: HF 178	
1184.50 9.10	LU 169 -----	960.30 100.00	191.30 95.00	1450.40 40.00	889.50 20.00	87.27 13.00	378.60 9.50	1184.50<= 9.10	H: 34.06H N: *****	NU: 95	D: Y 169 *	
1185.00 3.00	CU 61 -----	511.01 100.00	263.00 10.83	656.01 8.00	67.60 3.58	1185.00<= 3.00	373.60 1.58	588.60 1.00	H: 3.35H N: 1.20000	NU: 25	D: NI 61	
1185.40 0.81	ZN 61 -----	511.01 100.00	475.20 8.08	1660.50 3.74	970.00 1.21	1185.40<= 0.81	690.40 0.81	1997.10 0.61	H: 86.00S N: 1.98000	NU: 47	D: CU 61 *	
1196.20 0.90	TC 94H -----	871.10 100.00	1522.00 5.90	1868.80 5.80	2740.00 3.80	993.10 2.60	3129.20 1.20	1196.20<= 0.90	H: 52.00H N: *****	NU: 10	D: PO 94	
1200.30 55.80	TC 96H -----	778.30 100.00	1200.30<= 55.80	849.80 18.50	480.70 17.30	719.70 14.20	967.30 6.60	1498.30 6.31	H: 51.50H N: *****	NU: 15	D: TC 96 *	
1200.50 20.50	NB 96 -----	778.30 100.00	568.70 56.00	1451.40 51.00	460.10 26.80	949.80 21.00	1200.50<= 20.50	1311.90 6.00	H: 23.40H N: *****	NU: 20	D: MC 96	
1200.50 9.60	YL 198 -----	411.70 100.00	636.80 13.40	675.90 12.80	2040.90 11.00	1200.50<= 9.60	1420.30 9.10	1311.90 4.90	H: 5.30H N: *****	NU: 65	D: HG 198	
1202.00 0.25	ZR 87 -----	511.01 100.00	1228.00 2.30	1210.00 0.73	793.00 0.36	1202.00<= 0.25	2220.00 0.23	1160.00 0.16	H: 1.60H N: 1.65000	NU: 15	D: Y 87**	
1202.00 1.30	J 120 -----	561.00 100.00	1526.00 20.00	2455.00 16.00	2565.00 14.00	641.00 12.00	601.00 7.40	1202.00<= 1.30	H: 1.35H N: *****	NU: 7	D: TE 120	
1204.35 0.45	AS 74 -----	511.01 100.00	595.83 98.02	634.78 24.71	608.43 0.94	1204.35<= 0.45	635.00 0.06	887.00 0.05	H: 17.90D N: 0.60700	NU: 15	D: GE 74	
1205.00 100.00	NB 91H -----	1205.00<= 100.00	104.50 55.59						H: 62.00D N: 0.03400	NU: 2	D: NB 91 *	
1205.87 7.09	TA 174 -----	206.62 100.00	511.01 78.27	1205.87<= 7.09	1359.40 3.24	1227.10 2.94	1358.10 2.17	310.82 2.14	H: 1.20H N: 0.61200	NU: 97	D: HF 174	
1208.00 34.87	MD 91H -----	652.80 100.00	1507.60 43.64	1208.00<= 34.87	2240.70 1.62	2238.50 1.53	1032.80 1.29	1082.30 0.87	H: 1.02H N: 0.45600	NU: 10	D: PO 91 *	
1209.10 20.00	RH 99H -----	340.60 100.00	511.01 34.38	1260.70 24.22	618.00 20.78	1209.10<= 20.00	937.40 4.34	528.40 2.95	H: 4.70H N: 0.64000	NU: 29	D: RU 99	
1210.00 0.73	ZR 87 -----	511.01 100.00	1228.00 2.30	1210.00<= 0.73	793.00 0.36	1202.00 0.25	2220.00 0.23	1160.00 0.16	H: 1.60H N: 1.65000	NU: 15	D: Y 87**	
1210.30 20.28	IR 188 -----	155.00 100.00	634.80 85.89	478.00 47.85	2214.60 38.34	312.00 23.93	1210.30<= 20.28	829.50 19.85	H: 41.50H N: 0.32600	NU: 75	D: OS 188	

ENERGY (INTENS.)	NUCL ID#	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
1210.90 4.10	LA 134 -----	605.20 100.00	1554.80 16.00	1424.70 8.20	1732.10 7.40	1483.60 6.40	563.00 6.00	1210.90<= 4.10	H: 6.70H N: *****	NU: 33	D: BA 134	
1212.60 2.20	SC 48 -----	983.50 100.00	1312.10 100.00	1037.50 98.00	175.40 6.00	1212.60<= 2.20			H: 1.84D N: 1.00000	NU: 5	D: TI 48	
1214.80 0.47	IN 119 -----	763.10 100.00	1214.80<= 0.47	697.80 0.37	1273.00 0.19	944.00 0.09			H: 2.3CH N: *****	NU: 5	D: SN 119	
1216.20 6.00	AU 186 -----	191.50 100.00	298.60 41.00	765.40 17.00	415.50 13.70	798.70 8.60	607.20 8.50	1216.20<= 6.00	H: 12.00H N: *****	NU: 61	D: PT 186 *	
1216.30 6.84	BR 76 -----	511.01 100.00	559.40 52.63	657.00 10.53	1852.50 10.53	1216.30<= 6.84	2949.00 4.96	2793.40 4.21	H: 16.00H N: 1.33000	NU: 99	D: SE 76	
1220.00 7.60	Y 85 -----	232.00 100.00	2123.00 25.93	768.00 20.00	1404.00 15.43	2173.00 11.13	1220.00<= 7.60	1029.00 7.42	H: 4.90H N: 0.22100	NU: 28	D: SR 85 *	
1220.00 78.40	HO 162H -----	185.00 100.00	1220.00<= 78.40	282.90 39.30	937.20 37.30	80.70 31.10	1319.60 7.26	1124.90 4.07	H: 68.00H N: *****	NU: 42	D: HO 162	
1220.00 46.74	HO 162 -----	185.00 100.00	511.01 97.83	80.00 84.78	930.00 51.09	1220.00<= 46.74	283.00 32.61		H: 15.00H N: 0.09200	NU: 6	D: DY 162	
1222.10 46.00	TB 156 -----	534.10 100.00	199.20 61.00	1222.10<= 46.00	88.93 29.00	1067.00 21.00	1065.00 21.00	356.39 19.00	H: 5.10D N: *****	NU: 44	D: GD 156	
1223.20 2.70	PM 141 -----	511.01 100.00	1223.20<= 2.70	885.80 1.40	194.40 1.20	1344.30 0.76	622.00 0.59	1565.00 0.54	H: 20.90H N: *****	NU: 12	D: ND 141	
1224.90 23.17	TA 176 -----	1159.30 100.00	201.84 24.36	1224.90<= 23.17	1584.00 22.02	710.49 21.33	1696.50 19.50	1823.60 18.72	H: 8.00H N: 0.21800	NU: 99	D: HF 176	
1225.60 5.46	IN 119H -----	311.30 100.00	1065.10 9.09	1249.60 6.82	1225.60<= 5.46	1163.70 4.63	897.60 1.36	920.60 1.18	H: 18.00H N: *****	NU: 8	D: SN 119	
1227.10 2.94	TA 174 -----	206.62 100.00	511.01 78.27	1205.87 7.09	1359.40 3.24	1227.10<= 2.94	1358.10 2.17	310.82 2.14	H: 1.20H N: 0.61200	NU: 97	D: HF 174	
1228.00 2.30	ZR 87 -----	511.01 100.00	1228.00<= 2.30	1210.00 0.73	793.00 0.36	1202.00 0.25	2220.00 0.23	1160.00 0.16	H: 1.60H N: 1.65000	NU: 15	D: Y 87**	
1228.40 16.00	RH 96 -----	684.60 100.00	832.30 100.00	630.70 78.00	741.20 32.00	1228.40<= 16.00	1164.40 6.20	1738.50 5.40	H: 9.50H N: *****	NU: 20	D: RU 96	
1229.50 100.00	SB 118H -----	1229.50<= 100.00	1050.80 98.00	253.90 93.00	511.01 32.00	41.00 18.00	1091.80 2.40	984.00 1.50	H: 5.10H N: 0.01000	NU: 8	D: SN 118	
1229.50 1.64	SB 118 -----	511.01 100.00	1229.50<= 1.64	1267.00 0.38	528.20 0.25	826.90 0.24	1699.70 0.04	1172.90 0.03	H: 3.50H N: 1.51000	NU: 14	D: SN 118	
1235.41 20.00	CS 136 -----	818.48 100.00	1048.10 81.00	340.60 45.00	1235.41<= 20.00	66.90 14.00	176.75 13.00	273.76 13.00	H: 13.00D N: 1.00000	NU: 15	D: BA 136	
1236.50 0.01	TI 45 -----	511.01 100.00	719.60 0.09	1408.10 0.05	1660.90 0.02	425.00 0.01	1236.50<= 0.01	974.00 0.00	H: 3.08H N: 1.68000	NU: 13	D: SC 45	
1238.20 14.88	RA 226 -----	609.40 100.00	351.99 81.40	295.22 41.86	1764.70 39.53	1120.40 32.56	241.92 17.21	1238.20<= 14.88	H: 160.01E N: 0.43000	NU: 62	D: RN 222 *	
1238.28 69.94	CO 56 -----	846.74 100.00	1238.28<= 69.94	511.01 48.48	1037.85 30.47	2598.57 16.90	1771.48 15.79	2034.90 7.82	H: 77.30D N: 0.98800	NU: 45	D: FE 56	
1238.80 4.26	AG 104H -----	555.80 100.00	1238.80<= 4.26	2276.00 2.62	1781.80 2.30	785.70 2.13	1720.80 1.97	2139.20 1.80	H: 33.5CH N: 0.61000	NU: 38	D: PD 104	
1241.00 1.48	HG 195H -----	56.70 100.00	261.75 98.40	560.24 16.30	387.93 4.88	200.35 2.06	1241.00<= 1.48	525.80 1.15	H: 40.00H N: *****	NU: 37	D: HG 195 *	
1241.50 100.00	LU 174H -----	1241.50<= 100.00	991.70 16.00	272.90 15.00	175.90 13.00	1264.00 0.48	1318.00 0.42		H: 140.00D N: *****	NU: 6	D: LU 174 *	
1247.00 4.70	MN 52 -----	1434.40 100.00	744.20 85.00	935.60 84.00	511.01 55.00	1332.80 5.10	1247.00<= 4.70	848.40 3.20	H: 5.67D N: 1.00000	NU: 14	D: CR 52	
1249.60 5.83	BR 74 -----	634.60 100.00	728.30 34.70	1269.10 8.14	1249.60<= 5.83	1714.60 5.83	615.10 5.57	219.00 5.14	H: 43.70H N: *****	NU: 61	D: SE 74	
1249.60 6.82	IN 119H -----	311.30 100.00	1065.10 9.09	1249.60<= 6.82	1225.60 5.46	1163.70 4.63	897.60 1.36	920.60 1.18	H: 18.00H N: *****	NU: 8	D: SN 119	
1252.60 5.60	IN 112 -----	618.20 100.00	606.40 23.40	1252.60<= 5.60	1489.00 1.20	1278.00 0.20	5653.00 0.10		H: 14.40H N: *****	NU: 6	D: CD 112	
1256.60 1.15	BR 80 -----	617.00 100.00	511.01 83.33	665.70 16.67	639.90 3.17	704.10 2.50	1256.60<= 1.15	813.00 0.50	H: 17.60H N: 0.06000	NU: 7	D: KR 80	
1257.10 13.04	AG 102 -----	556.70 100.00	719.40 59.42	1522.70 27.54	1744.50 17.68	1581.60 14.06	835.40 14.06	1257.10<= 13.04	H: 13.00P N: *****	NU: 21	D: PD 102	
1260.70 8.70	K 45 -----	174.30 100.00	1705.60 87.00	2354.20 17.00	1260.70<= 8.70	2598.80 4.40			H: 16.30H N: *****	NU: 5	D: CA 45 *	

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER	D: DAUGHTER OF ENERGIES IN TABLE 1	N: NORMAL FACTOR
1260.70 24.22	RM 99M -----	340.60 100.00	511.01 34.38	1260.70<= 24.22	618.00 20.78	1209.10 20.00	937.40 4.34	528.40 2.95	H: 4.70H N: 0.64000	NU: 29	D: PU 99	
1261.30 0.05	GA 68 -----	511.01 100.00	1077.50 1.08	1883.50 0.08	1261.30<= 0.05	805.70 0.05	165.90 0.04	578.40 0.02	H: 68.30M N: 1.76000	NU: 9	D: ZN 68	
1263.50 1.82	AS 68 -----	511.01 100.00	1016.50 32.83	762.60 11.62	651.20 11.62	1778.70 10.61	613.50 2.78	1263.50<= 1.82	H: 159.00S N: 1.98000	NU: 21	D: GE 68 *	
1264.00 0.48	LU 174M -----	1241.50 100.00	991.70 16.00	272.90 15.00	175.90 13.00	1264.00<= 0.48	1318.00 0.42	H: 140.00D N: *****		NU: 6	D: LU 174 *	
1266.30 6.20	AM 238 -----	962.70 100.00	561.10 39.00	605.20 27.00	1577.50 11.00	357.70 8.10	941.40 7.30	1266.30<= 6.20	H: 1.90H N: *****	NU: 23	D: PU 238 *	
1267.00 0.38	SB 118 -----	511.01 100.00	1229.50 1.64	1267.00<= 0.38	528.20 0.25	826.90 0.24	1699.70 0.04	1172.90 0.03	H: 3.50M N: 1.51000	NU: 14	D: SN 118	
1267.20 100.00	CL 39 -----	1267.20<= 100.00	250.30 87.04	1517.40 70.37	1091.00 4.81	985.80 4.07	1561.60 0.57	1312.10 0.54	H: 56.20M N: 0.54000	NU: 11	D: AR 39 *	
1268.40 9.00	IN 107 -----	205.00 100.00	505.40 26.50	320.90 20.00	1268.40<= 9.00	365.60 7.40	728.10 5.80	809.00 5.00	H: 32.00M N: *****	NU: 98	D: CD 107 *	
1269.10 8.14	BR 74 -----	634.60 100.00	728.30 34.70	1269.10<= 8.14	1249.60 5.83	1714.60 5.83	615.10 5.57	219.00 5.14	H: 43.70M N: *****	NU: 61	D: SE 74	
1273.00 0.19	IN 119 -----	763.10 100.00	1214.80 0.47	697.80 0.37	1273.00<= 0.19	944.00 0.09			H: 2.30M N: *****	NU: 5	D: SN 119	
1273.50 100.00	AL 29 -----	1273.50<= 100.00	2425.70 6.04	2027.80 3.74	1152.40 0.90	754.50 0.24	397.90 0.03	1795.70 0.02	H: 6.60M N: 0.91000	NU: 8	D: SI 29	
1274.52 55.25	NA 22 -----	511.01 100.00	1274.52<= 55.25						H: 2.60A N: 1.81000	NU: 2	D: NE 22	
1275.20 68.63	TM 166 -----	779.90 100.00	2053.90 88.24	184.20 81.37	1275.20<= 68.63	704.40 55.88	786.60 49.51	673.10 44.36	H: 7.70H N: 0.20400	NU: 77	D: ER 166	
1278.00 0.20	IN 112 -----	618.20 100.00	606.40 23.40	1252.60 5.60	1489.00 1.20	1278.00<= 0.20	5653.00 0.10		H: 14.4CM N: *****	NU: 6	D: CD 112	
1279.80 96.00	LU 170 -----	2041.40 100.00	1279.80<= 96.00	84.26 85.00	985.30 83.00	1054.00 59.70	2125.60 59.00	1364.10 48.00	H: 2.02D N: *****	NU: 99	D: YB 170	
1282.40 15.55	MN 50 -----	511.01 100.00	1098.00 48.60	783.30 47.15	1443.30 32.55	1282.40<= 15.55	661.50 11.80	1944.50 1.84	H: 1.75M N: 2.00000	NU: 15	D: CR 50	
1289.03 12.00	PD 101 -----	296.25 100.00	590.36 62.00	269.66 30.90	24.40 20.30	565.77 18.00	723.76 12.00	1289.03<= 12.00	H: 8.30H N: *****	NU: 48	D: RH 101P*	
1292.60 5.00	ND 141 -----	511.01 100.00	1126.80 16.67	1147.50 6.67	1292.60<= 5.00	1298.60 5.00	146.60 3.33		H: 2.60H N: 0.06000	NU: 6	D: PR 141	
1298.60 5.00	ND 141 -----	511.01 100.00	1126.80 16.67	1147.50 6.67	1292.60 5.00	1298.60<= 5.00	146.60 3.33		H: 2.60H N: 0.06000	NU: 6	D: PR 141	
1301.80 3.80	CD 105 -----	510.80 100.00	2300.80 46.00	961.10 3.80	1301.80<= 3.80	606.60 3.80	347.10 3.20	1692.90 3.10	H: 55.0CM N: *****	NU: 89	D: AG 105 *	
1311.70 2.56	AG 112 -----	617.00 100.00	1387.20 12.33	606.40 8.14	1613.20 6.74	694.20 6.05	2106.10 5.12	1311.70<= 2.56	H: 3.15H N: 0.43000	NU: 98	D: CD 112	
1311.90 97.06	V 48 -----	511.01 100.00	983.40 98.04	1311.90<= 97.06	944.20 8.73	2240.10 2.35	928.40 1.18	1437.60 0.12	H: 15.97D N: 1.02000	NU: 9	D: TI 48	
1311.90 4.90	TL 198 -----	411.70 100.00	636.80 13.40	675.90 12.80	2040.90 11.00	1200.50 9.60	1420.30 9.10	1311.90<= 4.90	H: 5.30H N: *****	NU: 65	D: HG 198	
1312.10 0.54	CL 39 -----	1267.20 100.00	250.30 87.04	1517.40 70.37	1091.00 4.81	985.80 4.07	1561.60 0.57	1312.10<= 0.54	H: 56.20M N: 0.54000	NU: 11	D: AR 39 *	
1312.10 100.00	SC 48 -----	983.50 100.00	1312.10<= 100.00	1037.50 98.00	175.40 6.00	1212.60 2.20			H: 1.84D N: 1.00000	NU: 5	D: TI 48	
1318.00 0.42	LU 174M -----	1241.50 100.00	991.70 16.00	272.90 15.00	175.90 13.00	1264.00 0.48	1318.00<= 0.42		H: 140.00D N: *****	NU: 6	D: LU 174 *	
1319.60 7.26	HO 162M -----	185.00 100.00	1220.00 78.40	282.90 39.30	937.20 37.30	80.70 31.10	1319.60<= 7.26	1124.90 4.07	H: 68.00M N: *****	NU: 42	D: HO 162	
1320.00 0.36	PR 139 -----	511.01 100.00	1347.40 2.78	1630.60 1.94	254.70 1.50	1357.70 0.94	1320.00<= 0.36	1596.60 0.28	H: 4.50H N: 0.18000	NU: 13	D: CE 139 *	
1321.40 0.55	CU 58 -----	511.01 100.00	1454.10 7.75	1448.00 5.55	40.80 3.40	1321.40<= 0.55	1488.30 0.52	167.10 0.48	H: 3.20S N: 2.00000	NU: 25	D: NI 58	
1325.53 2.37	J 124 -----	602.71 100.00	511.01 74.19	1691.04 17.26	722.78 16.45	1509.49 4.95	1376.25 2.76	1325.53<= 2.37	H: 4.17D N: 0.62000	NU: 31	D: TE 124	
1331.00 14.79	PM 150 -----	334.00 100.00	1165.00 14.79	1331.00<= 14.79	716.00 12.96	831.00 10.00	402.00 6.48	877.00 6.06	H: 2.68H N: 0.71000	NU: 8	D: SM 150	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE	D: DAUGHTER	N: NORMAL FACTOR
										NU: NUMBER OF ENERGIES IN TABLE I		
1332.50 47.45	CU 60 -----	511.01 100.00	1332.50<= 47.45	1791.60 24.18	826.40 11.14	3124.40 2.57	1861.60 2.54	1035.10 1.91	H: 24.00H N: 1.84000	NU: 74	D: AT	60
1332.80 5.10	NN 52 -----	1434.40 100.00	744.20 85.00	935.60 84.00	511.01 55.00	1332.80<= 5.10	1247.00 4.70	848.40 3.20	H: 5.67D N: 1.00000	NU: 14	D: CR	52
1339.00 9.00	J 118 -----	606.00 100.00	600.00 13.00	545.00 13.00	1339.00<= 9.00	740.00 2.00			H: 14.30H N: *****	NU: 5	D: TE	118 *
1340.84 48.80	TA 178 -----	511.01 100.00	1350.55 56.00	1340.84<= 48.80	1106.11 25.40	1402.87 22.90	1496.10 12.90	1183.40 7.92	H: 9.30H N: *****	NU: 28	D: HF	178
1341.80 7.90	AG 104 -----	555.80 100.00	767.60 72.00	941.60 27.00	925.90 14.00	857.90 11.00	785.70 10.00	1341.80<= 7.90	H: 69.20H N: 1.00000	NU: 37	D: PD	104
1342.00 72.63	HG 28 -----	30.64 100.00	1342.00<= 72.63	399.80 32.63	941.50 29.47				H: 21.10H N: 0.95000	NU: 4	D: AL	28 *
1344.30 0.76	PM 141 -----	511.01 100.00	1223.20 2.70	885.80 1.40	194.40 1.20	1344.30<= 0.76	622.00 0.59	1565.00 0.54	H: 20.90H N: *****	NU: 12	D: ND	141
1347.40 2.78	PR 139 -----	511.01 100.00	1347.40<= 2.78	1630.60 1.94	254.70 1.50	1357.70 0.94	1320.00 0.36	1596.60 0.28	H: 4.50H N: 0.18000	NU: 13	D: CE	139 *
1348.00 26.00	J 120M -----	560.00 100.00	601.00 100.00	614.00 81.00	976.00 35.00	1348.00<= 26.00	1405.00 20.00	1443.00 12.00	H: 40.00H N: *****	NU: 11	D: TE	120
1350.55 56.00	TA 178 -----	511.01 100.00	1350.55<= 56.00	1340.84 48.80	1106.11 25.40	1402.87 22.90	1496.10 12.90	1183.40 7.92	H: 9.30H N: *****	NU: 28	D: HF	178
1357.70 0.94	PR 139 -----	511.01 100.00	1347.40 2.78	1630.60 1.94	254.70 1.50	1357.70<= 0.94	1320.00 0.36	1596.60 0.28	H: 4.50H N: 0.18000	NU: 13	D: CE	139 *
1358.10 2.17	TA 174 -----	206.62 100.00	511.01 78.27	1205.87 7.09	1359.40 3.24	1227.10 2.94	1358.10<= 2.17	310.82 2.14	H: 1.20H N: 0.61200	NU: 97	D: HF	174
1359.40 3.24	TA 174 -----	206.62 100.00	511.01 78.27	1205.87 7.09	1359.40<= 3.24	1227.10 2.94	1358.10 2.17	310.82 2.14	H: 1.20H N: 0.61200	NU: 97	D: HF	174
1362.10 0.86	TC 100 -----	539.60 100.00	590.80 81.71	689.40 7.20	378.60 6.30	1512.20 6.27	822.50 0.97	1362.10<= 0.86	H: 17.00S N: 0.06670	NU: 20	D: RU	100
1362.40 20.00	RH 100 -----	539.40 100.00	2376.00 40.00	1552.50 28.00	622.20 27.00	1362.40<= 20.00	1106.30 18.00	445.50 15.80	H: 20.00H N: *****	NU: 31	D: RU	100
1364.10 48.00	LU 170 -----	2041.40 100.00	1279.80 96.00	84.26 85.00	985.30 83.00	1054.00 59.70	2125.60 59.00	1364.10<= 48.00	H: 2.02D N: *****	NU: 59	D: YB	170
1364.60 27.87	TM 164M -----	208.08 100.00	314.93 65.57	240.49 50.93	547.00 30.27	897.91 29.07	91.39 28.47	1364.60<= 27.87	H: 5.10H N: 0.18300	NU: 31	D: ER	164
1364.70 0.94	MO 93M -----	1477.20 100.00	684.70 92.00	263.10 53.00	1364.70<= 0.94	113.90 0.70	947.87 0.20		H: 6.90H N: *****	NU: 6	D: PD	93 *
1376.25 2.76	J 124 -----	602.71 100.00	511.01 74.19	1691.04 17.26	722.78 16.45	1509.49 4.95	1376.25<= 2.76	1325.53 2.37	H: 4.17D N: 0.62000	NU: 31	D: TE	124
1377.70 100.00	NI 57 -----	1377.70<= 100.00	511.01 97.47	127.10 18.99	1919.50 18.99	1757.70 8.35	1046.40 0.16	2804.00 0.13	H: 35.94H N: 0.79000	NU: 18	D: CO	57 *
1380.00 0.30	J 130M -----	536.08 100.00	586.10 8.73	1615.00 3.83	1122.00 1.22	1028.00 0.40	1966.00 0.39	1380.00<= 0.30	H: 8.82H N: 0.15800	NU: 14	D: J	130 *
1387.20 12.33	AG 112 -----	617.00 100.00	1387.20<= 12.33	606.40 8.14	1613.20 6.74	694.20 6.05	2106.10 5.12	1311.70 2.56	H: 3.15H N: 0.43000	NU: 98	D: CD	112
1387.80 6.63	GA 64 -----	511.01 100.00	992.20 22.96	3366.90 8.16	809.40 7.14	1387.80<= 6.63	2195.60 6.12	919.10 3.88	H: 2.60H N: 1.96000	NU: 29	D: ZN	64
1391.60 0.08	ZN 63 -----	511.01 100.00	669.70 47.74	962.00 3.74	1411.90 0.41	450.00 0.13	1391.60<= 0.08	1123.70 0.07	H: 37.85H N: 1.96000	NU: 47	D: CU	63 *
1401.40 2.50	TB 148 -----	783.40 100.00	511.00 44.00	489.10 29.50	1077.10 13.80	631.10 13.30	1960.10 6.52	1401.40<= 2.50	H: 70.00H N: *****	NU: 59	D: GD	148 *
1402.87 22.90	TA 178 -----	511.01 100.00	1350.55 56.00	1340.84 48.80	1106.11 25.40	1402.87<= 22.90	1496.10 12.90	1183.40 7.92	H: 9.30H N: *****	NU: 28	D: HF	178
1404.00 15.43	Y 85 -----	232.00 100.00	2123.00 25.93	768.00 20.00	1404.00<= 15.43	2173.00 11.13	1220.00 7.60	1029.00 7.42	H: 4.90H N: 0.22100	NU: 28	D: SR	85 *
1405.00 20.00	J 120M -----	560.00 100.00	601.00 100.00	614.00 81.00	976.00 35.00	1348.00 26.00	1405.00<= 20.00	1443.00 12.00	H: 40.00H N: *****	NU: 11	D: TE	120
1405.40 34.29	Y 92 -----	934.50 100.00	1405.40<= 34.29	561.10 17.14	448.50 16.43	844.30 9.29	912.80 4.50	492.60 3.50	H: 3.50H N: 0.14000	NU: 10	D: ZR	92
1408.10 0.05	TI 45 -----	511.01 100.00	719.60 0.09	1408.10<= 0.05	1660.90 0.02	425.00 0.01	1236.50 0.01	974.00 0.00	H: 3.08H N: 1.68000	NU: 13	D: SC	45
1411.90 0.41	ZN 63 -----	511.01 100.00	669.70 47.74	962.00 3.74	1411.90<= 0.41	450.00 0.13	1391.60 0.08	1123.70 0.07	H: 37.85H N: 1.96000	NU: 47	D: CU	63 *

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORMAL FACTOR
1414.90 1.20	RH 98 -----	652.60 100.00	745.40 5.60	1817.00 5.00	1164.40 4.80	762.30 1.80	1414.90<= 1.20	597.70 0.80		H: 8.30H N: *****	NU: 7	D: RU 98
1420.20 0.85	J 126 -----	388.50 100.00	666.20 88.24	753.80 11.47	491.90 6.18	511.01 2.56	880.30 1.88	1420.20<= 0.85		H: 12.80D N: 0.34000	NU: 9	D: TE 126
1420.30 1.80	PR 140 -----	1596.50 100.00	306.90 37.00	751.80 6.00	924.24 5.20	2521.70 2.78	1420.30<= 1.80	2348.30 1.63		H: 3.40H N: *****	NU: 17	D: CE 140
1420.30 9.10	TL 198 -----	411.70 100.00	636.80 13.40	675.90 12.80	2040.90 11.00	1200.50 9.60	1420.30<= 9.10	1311.90 4.90		H: 5.30H N: *****	NU: 65	D: HG 198
1423.00 5.15	AU 192 -----	316.49 100.00	295.94 38.50	612.44 7.48	308.43 5.97	1723.10 5.44	1423.00<= 5.15	582.58 4.65		H: 4.10H N: *****	NU: 99	D: PT 192
1424.70 8.20	LA 134 -----	605.20 100.00	1554.80 16.00	1424.70<= 8.20	1732.10 7.40	1483.60 6.40	563.00 6.00	1210.90 4.10		H: 6.70H N: *****	NU: 33	D: BA 134
1431.00 3.40	PR 138 -----	788.80 100.00	688.20 33.00	1551.50 17.00	1447.90 4.80	1510.50 3.70	1431.00<= 3.40	2237.00 3.20		H: 1.50H N: *****	NU: 12	D: CE 138
1431.40 15.00	SI 33 -----	1847.70 100.00	1431.40<= 15.00	2539.00 9.60	416.30 8.70	1107.60 0.87	691.30 0.43			H: 6.30S N: *****	NU: 6	D: P 33 *
1434.40 100.00	MN 52 -----	1434.40<= 100.00	744.20 85.00	935.60 84.00	511.01 55.00	1332.80 5.10	1247.00 4.70	848.40 3.20		H: 5.67D N: 1.00000	NU: 14	D: CR 52
1436.70 29.20	AT 210 -----	1181.40 100.00	245.30 80.00	1483.30 46.80	1436.70<= 29.20	1599.50 13.50	955.80 1.81	817.20 1.72		H: 8.30H N: 1.00000	NU: 59	D: PD 210 *
1437.60 0.12	V 48 -----	511.01 100.00	983.40 98.04	1311.90 97.06	944.20 8.73	2240.10 2.35	928.40 1.18	1437.60<= 0.12		H: 15.97D N: 1.02000	NU: 9	D: TI 48
1441.20 4.50	AU 190 -----	296.00 100.00	302.00 33.00	597.90 12.40	319.30 6.50	441.50 5.25	1441.20<= 4.50	1057.90 4.40		H: 39.00H N: *****	NU: 65	D: PT 190
1443.00 12.00	J 120M -----	560.00 100.00	601.00 100.00	614.00 81.00	976.00 35.00	1348.00 26.00	1405.00 20.00	1443.00<= 12.00		H: 40.00H N: *****	NU: 11	D: TE 120
1443.30 32.55	MN 50 -----	511.01 100.00	1098.00 48.60	783.30 47.15	1443.30<= 32.55	1282.40 15.55	661.50 11.80	1944.50 1.84		H: 1.75H N: 2.00000	NU: 15	D: CR 50
1447.90 4.80	PR 138 -----	788.80 100.00	688.20 33.00	1551.50 17.00	1447.90<= 4.80	1510.50 3.70	1431.00 3.40	2237.00 3.20		H: 1.50H N: *****	NU: 12	D: CE 138
1448.00 5.55	CU 58 -----	511.01 100.00	1454.10 7.75	1448.00<= 5.55	40.80 3.40	1321.40 0.55	1488.30 0.52	167.10 0.48		H: 3.20S N: 2.00000	NU: 25	D: NI 58
1450.40 40.00	LU 169 -----	960.30 100.00	191.30 95.00	1450.40<= 40.00	889.50 20.00	87.27 13.00	378.60 9.50	1184.50 9.10		H: 34.06H N: *****	NU: 95	D: Y 169 *
1454.10 7.75	CU 58 -----	511.01 100.00	1454.10<= 7.75	1448.00 5.55	40.80 3.40	1321.40 0.55	1488.30 0.52	167.10 0.48		H: 3.20S N: 2.00000	NU: 25	D: NI 58
1459.30 56.00	BA 129 -----	182.30 100.00	214.30 87.00	1459.30<= 56.00	220.80 53.00	129.10 51.00	202.30 39.00	420.20 25.00		H: 2.17H N: *****	NU: 98	D: CS 129 *
1460.95 100.00	K 40 -----	1460.95<= 100.00								H: 126.07E N: 0.10700	NU: 1	D: CA 40
1461.10 10.63	AG 102M -----	556.70 100.00	1834.70 23.13	2054.50 15.63	2159.40 11.88	3238.60 11.56	1461.10<= 10.63	2017.80 6.56		H: 8.00H N: *****	NU: 14	D: PD 102
1464.00 1.43	AS 72 -----	834.00 100.00	629.93 10.20	1464.00<= 1.43	1050.76 1.23	894.27 0.99	2105.90 0.93	2201.74 0.65		H: 26.00H N: *****	NU: 60	D: GE 72
1465.10 78.57	PM 148 -----	550.20 100.00	1465.10<= 78.57	912.00 53.57	611.10 4.64					H: 5.40D N: 0.28000	NU: 4	D: SP 148
1474.50 0.10	AG 110 -----	657.70 100.00	815.50 0.85	1125.90 0.33	295.90 0.17	1674.90 0.15	1784.40 0.13	1474.50<= 0.10		H: 24.60S N: 0.04500	NU: 12	D: CD 110
1477.20 100.00	MD 93M -----	1477.20<= 100.00	684.70 92.00	263.10 53.00	1364.70 0.94	113.90 0.70	947.87 0.20			H: 6.50H N: *****	NU: 6	D: MD 93 *
1483.30 46.80	AT 210 -----	1181.40 100.00	245.30 80.00	1483.30<= 46.80	1436.70 29.20	1599.50 13.50	955.80 1.81	817.20 1.72		H: 8.30H N: 1.00000	NU: 59	D: PD 210 *
1483.60 6.40	LA 134 -----	605.20 100.00	1554.80 16.00	1424.70 8.20	1732.10 7.40	1483.60<= 6.40	563.00 6.00	1210.90 4.10		H: 6.70H N: *****	NU: 33	D: BA 134
1488.30 0.52	CU 58 -----	511.01 100.00	1454.10 7.75	1448.00 5.55	40.80 3.40	1321.40 0.55	1488.30<= 0.52	167.10 0.48		H: 3.20S N: 2.00000	NU: 25	D: NI 58
1489.00 1.20	IN 112 -----	618.20 100.00	606.40 23.40	1252.60 5.60	1489.00<= 1.20	1278.00 0.20	5653.00 0.10			H: 14.40H N: *****	NU: 6	D: CD 112
1490.30 12.50	SM 141M -----	156.60 100.00	421.80 54.40	777.40 27.30	1786.40 14.70	1490.30<= 12.50	911.30 12.40	1145.10 11.70		H: 22.10H N: *****	NU: 47	D: PM 141 *
1496.10 12.90	TA 178 -----	511.01 100.00	1350.55 56.00	1340.84 48.80	1106.11 25.40	1402.87 22.90	1496.10<= 12.90	1183.40 7.92		H: 9.30H N: *****	NU: 28	D: HF 178

ENERGY (INTENS.)	NUCL IDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF	D: DAUGHTER ENERGIES IN	N: NORMAL.FACTOR TABLE 1
1498.30 6.31	TC 96H -----	778.30 100.00	1200.30 55.80	849.80 18.50	480.70 17.30	719.70 14.20	967.30 6.60	1498.30<= 6.31		H: 51.50H N: *****	NU:15	D:TC 96 *
1499.60 0.43	SC 44 -----	511.01 100.00	1157.00 50.00	1499.60<= 0.43	2656.60 0.11					H: 3.90H N: 1.98000	NU: 4	D:CA 44
1507.60 43.64	MO 91H -----	652.80 100.00	1507.60<= 43.64	1208.00 34.87	2240.70 1.62	2238.50 1.53	1032.80 1.29	1082.30 0.87		H: 1.02H N: 0.45600	NU:10	D:MO 91 *
1508.40 7.24	ZR 89H -----	589.00 100.00	1508.40<= 7.24	511.01 3.68						H: 4.20H N: 0.87000	NU: 3	D:ZR 89 *
1509.49 4.95	J 124 -----	602.71 100.00	511.01 74.19	1691.04 17.26	722.78 16.45	1509.49<= 4.95	1376.25 2.76	1325.53 2.37		H: 4.17D N: 0.62000	NU:31	D:TE 124
1510.50 3.70	PR 138 -----	788.80 100.00	688.20 33.00	1551.50 17.00	1447.90 4.80	1510.50<= 3.70	1431.00 3.40	2237.00 3.20		H: 1.50H N: *****	NU:12	D:CE 138
1512.20 6.27	TC 100 -----	539.60 100.00	590.80 81.71	689.40 7.20	378.60 6.30	1512.20<= 6.27	822.50 0.97	1362.10 0.86		H: 17.00S N: 0.06670	NU:20	D:RU 100
1517.40 70.37	CL 39 -----	1267.20 100.00	250.30 87.04	1517.40<= 70.37	1091.00 4.81	985.80 4.07	1561.60 0.57	1312.10 0.54		H: 56.20H N: 0.54000	NU:11	D:AP 39 *
1522.00 5.90	TC 94H -----	871.10 100.00	1522.00<= 5.90	1868.80 5.80	2740.00 3.80	993.10 2.60	3129.20 1.20	1196.20 0.90		H: 52.00M N: *****	NU:10	D:MO 94
1522.70 27.54	AG 102 -----	556.70 100.00	719.40 59.42	1522.70<= 27.54	1744.50 17.68	1581.60 14.06	835.40 14.06	1257.10 13.04		H: 13.00M N: *****	NU:21	D:PD 102
1526.00 20.00	J 120 -----	561.00 100.00	1526.00<= 20.00	2455.00 16.00	2565.00 14.00	641.00 12.00	601.00 7.40	1202.00 1.30		H: 1.35H N: *****	NU: 7	D:TE 120
1529.40 20.93	RH 106H -----	511.70 100.00	1046.70 36.05	716.60 33.72	450.80 27.91	616.10 23.60	748.50 22.09	1529.40<= 20.93		H: 2.20H N: 0.86000	NU:18	D:PD 106
1541.00 0.90	SN 111 -----	511.01 100.00	1152.00 3.09	761.00 1.89	1914.00 1.89	1610.00 1.39	1541.00<= 0.90	2099.00 0.46		H: 35.50M N: 0.54000	NU: 9	D:IN 111 *
1551.50 17.00	PR 138 -----	788.80 100.00	688.20 33.00	1551.50<= 17.00	1447.90 4.80	1510.50 3.70	1431.00 3.40	2237.00 3.20		H: 1.50M N: *****	NU:12	D:CE 138
1552.50 28.00	RH 100 -----	539.40 100.00	2376.00 40.00	1552.50<= 28.00	822.20 27.00	1362.40 20.00	1106.30 18.00	445.50 15.80		H: 20.00H N: *****	NU:31	D:RU 100
1554.80 16.00	LA 134 -----	605.20 100.00	1554.80<= 16.00	1424.70 8.20	1732.10 7.40	1483.60 6.40	563.00 6.00	1210.90 4.10		H: 6.70H N: *****	NU:33	D:BA 134
1561.60 0.57	CL 39 -----	1267.20 100.00	250.30 87.04	1517.40 70.37	1091.00 4.81	985.80 4.07	1561.60<= 0.57	1312.10 0.54		H: 56.20H N: 0.54000	NU:11	D:AR 39 *
1562.40 3.80	SR 83 -----	511.01 100.00	762.90 61.31	381.40 35.04	418.40 10.80	423.10 4.09	1562.40<= 3.80	778.20 2.92		H: 32.40H N: 0.68500	NU:73	D:RB 83 *
1565.00 0.54	PM 141 -----	511.01 100.00	1223.20 2.70	885.80 1.40	194.40 1.20	1344.30 0.76	622.00 0.59	1565.00<= 0.54		H: 20.90M N: *****	NU:12	D:ND 141
1566.00 100.00	TL 209 -----	1566.00<= 100.00	465.00 82.35	117.00 82.35						H: 2.20M N: 0.85000	NU: 3	D:PB 209 *
1577.50 11.00	AM 238 -----	962.70 100.00	561.10 39.00	605.20 27.00	1577.50<= 11.00	357.70 8.10	941.40 7.30	1266.30 6.20		H: 1.50H N: *****	NU:23	D:PU 238 *
1581.60 14.06	AG 102 -----	556.70 100.00	719.40 59.42	1522.70 27.54	1744.50 17.68	1581.60<= 14.06	835.40 14.06	1257.10 13.04		H: 13.00M N: *****	NU:21	D:PD 102
1584.00 22.02	TA 176 -----	1159.30 100.00	201.84 24.36	1224.90 23.17	1584.00<= 22.02	710.49 21.33	1696.50 19.50	1823.60 18.72		H: 8.00H N: 0.21800	NU:99	D:HF 176
1596.50 100.00	PR 140 -----	1596.50<= 100.00	306.90 37.00	751.80 6.00	924.24 5.20	2521.70 2.78	1420.30 1.80	2348.30 1.63		H: 3.40M N: *****	NU:17	D:CE 140
1596.60 0.28	PR 139 -----	511.01 100.00	1347.40 2.78	1630.60 1.94	254.70 1.50	1357.70 0.94	1320.00 0.36	1596.60<= 0.28		H: 4.50H N: 0.18000	NU:13	D:CE 139 *
1599.50 13.50	AT 210 -----	1181.40 100.00	245.30 80.00	1483.30 46.80	1436.70 29.20	1599.50<= 13.50	955.80 1.81	817.20 1.72		H: 8.30H N: 1.00000	NU:59	D:PO 210 *
1602.70 3.18	PR 136 -----	511.01 100.00	552.20 63.33	540.00 44.09	1082.30 15.76	461.00 7.35	1000.70 3.79	1602.70<= 3.18		H: 13.10M N: 0.66000	NU:68	D:CE 136
1610.00 1.39	SN 111 -----	511.01 100.00	1152.00 3.09	761.00 1.89	1914.00 1.89	1610.00<= 1.39	1541.00 0.90	2099.00 0.46		H: 35.50M N: 0.54000	NU: 9	D:IN 111 *
1610.74 1.55	TH 164 -----	511.01 100.00	91.30 9.34	1154.63 2.33	768.92 1.99	208.08 1.65	860.31 1.56	1610.74<= 1.55		H: 2.00M N: 0.78200	NU:03	D:ER 164
1612.10 4.49	NB 90 -----	1129.10 100.00	2318.60 92.13	141.15 75.28	2186.20 20.11	132.60 4.94	1612.10<= 4.49	827.70 2.25		H: 14.60H N: 0.89000	NU:12	D:ZR 90
1613.00 3.47	MN 57 -----	122.06 100.00	652.00 28.48	136.47 11.52	353.00 10.80	1613.00<= 3.47	569.00 2.10	367.00 1.90		H: 1.70H N: 0.09550	NU:13	D:FE 57

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE	D: DAUGHTER	N: NORMAL FACTOR
										NU: NUMBER OF ENERGIES IN TABLE 1		
1613.20 6.74	AG 112 -----	617.00 100.00	1387.20 12.33	606.40 8.14	1613.20<= 6.74	694.20 6.05	2106.10 5.12	1311.70 2.56	H: 3.15H N: 0.43000	NU: 98	D: CD 112	
1614.60 0.27	CS 130 -----	511.01 100.00	536.00 4.37	686.10 0.51	804.00 0.46	1614.60<= 0.27	1687.30 0.20	1996.30 0.17	H: 29.10H N: *****	NU: 17	D: XE 130	
1615.00 3.83	J 130M -----	536.08 100.00	586.10 8.73	1615.00<= 3.83	1122.00 1.22	1028.00 0.40	1966.00 0.39	1380.00 0.30	H: 8.82H N: 0.15800	NU: 14	D: J 130 *	
1620.54 23.24	BI 212 -----	727.15 100.00	1620.54<= 23.24	785.40 16.86	39.86 16.54	1078.62 8.16	893.41 5.57	452.80 5.35	H: 60.60H N: 0.18500	NU: 19	D: PD 212 *	
1620.80 0.07	ZR 89 -----	909.20 100.00	511.01 44.27	1712.60 0.82	1744.50 0.13	1657.30 0.11	1620.80<= 0.07		H: 78.40H N: 0.99400	NU: 6	D: Y 89	
1622.50 3.00	IN 109 -----	203.30 100.00	623.80 7.10	1148.80 7.00	426.20 5.30	650.10 3.80	1622.50<= 3.00	614.00 2.80	H: 4.30H N: *****	NU: 55	D: CD 109 *	
1622.60 20.00	SC 49 -----	1761.90 100.00	1622.60<= 20.00						H: 57.50H N: 0.00050	NU: 2	D: TI 49	
1630.60 1.94	PR 139 -----	511.01 100.00	1347.40 2.78	1630.60<= 1.94	254.70 1.50	1357.70 0.94	1320.00 0.36	1596.60 0.28	H: 4.50H N: 0.18000	NU: 13	D: CE 139 *	
1657.30 0.11	ZR 89 -----	909.20 100.00	511.01 44.27	1712.60 0.82	1744.50 0.13	1657.30<= 0.11	1620.80 0.07		H: 78.40H N: 0.99400	NU: 6	D: Y 89	
1660.50 3.74	ZN 61 -----	511.01 100.00	475.20 8.09	1660.50<= 3.74	970.00 1.21	1185.40 0.81	690.40 0.81	1997.10 0.61	H: 86.00S N: 1.98000	NU: 47	D: CU 61 *	
1660.90 0.02	TI 45 -----	511.01 100.00	719.60 0.09	1408.10 0.05	1660.90<= 0.02	425.00 0.01	1236.50 0.01	974.00 0.00	H: 3.08H N: 1.66000	NU: 13	D: SC 45	
1668.60 6.20	Y 94 -----	918.20 100.00	1139.10 20.00	550.10 8.40	1668.60<= 6.20	750.50 4.60	381.80 3.20	1915.61 2.80	H: 19.40M N: 0.50000	NU: 15	D: ZR 94	
1674.74 0.50	CO 58 -----	810.74 100.00	511.01 31.16	863.94 0.64	1674.74<= 0.50				H: 71.30D N: 0.99500	NU: 4	D: FE 58	
1674.90 0.15	AG 110 -----	657.70 100.00	815.50 0.85	1125.90 0.33	295.90 0.17	1674.90<= 0.15	1784.40 0.13	1474.50 0.10	H: 24.60S N: 0.04500	NU: 12	D: CD 110	
1679.60 26.90	BI 203 -----	819.90 100.00	898.20 55.50	825.20 54.40	1847.30 34.90	1033.30 28.00	1679.60<= 26.90	847.00 26.70	H: 11.80H N: *****	NU: 73	D: PB 203	
1687.30 0.20	CS 130 -----	511.01 100.00	536.00 4.37	686.10 0.51	894.00 0.46	1614.60 0.27	1687.30<= 0.20	1996.30 0.17	H: 29.10H N: *****	NU: 17	D: XE 130	
1691.04 17.26	J 124 -----	602.71 100.00	511.01 74.19	1691.04<= 17.26	722.78 16.45	1509.49 4.95	1376.25 2.76	1325.53 2.37	H: 4.17D N: 0.62000	NU: 31	D: TE 124	
1692.30 25.00	RH 96H -----	832.30 100.00	1097.80 29.00	1692.30<= 25.00	2164.10 12.00	2256.50 7.00	1907.50 5.00	2456.00 3.50	H: 1.45H N: *****	NU: 11	D: RU 96	
1692.90 3.10	CD 105 -----	510.80 100.00	2300.80 46.00	961.10 3.80	1301.80 3.80	606.60 3.80	347.10 3.20	1692.90<= 3.10	H: 55.00M N: *****	NU: 89	D: AG 105 *	
1696.50 19.50	TA 176 -----	1159.30 100.00	201.84 24.36	1224.90 23.17	1584.00 22.02	710.49 21.33	1696.50<= 19.50	1823.60 18.72	H: 8.00H N: 0.21800	NU: 99	D: HF 176	
1699.70 0.04	SB 118 -----	511.01 100.00	1229.50 1.64	1267.00 0.38	528.20 0.25	826.90 0.24	1699.70<= 0.04	1172.90 0.03	H: 3.50M N: 1.51000	NU: 14	D: SN 118	
1705.60 87.00	K 45 -----	174.30 100.00	1705.60<= 87.00	2354.20 17.00	1260.70 8.70	2598.80 4.40			H: 16.30M N: *****	NU: 5	D: CA 45 *	
1707.90 11.00	AS 70 -----	511.01 100.00	1039.60 51.00	744.00 12.97	668.20 12.97	1114.40 12.97	1707.90<= 11.00	595.20 10.00	H: 53.00M N: 0.80200	NU: 67	D: GE 70	
1712.60 0.82	ZR 89 -----	909.20 100.00	511.01 44.27	1712.60<= 0.82	1744.50 0.13	1657.30 0.11	1620.80 0.07		H: 78.40H N: 0.99400	NU: 6	D: Y 89	
1714.60 5.83	BR 74 -----	634.60 100.00	728.30 34.70	1269.10 8.14	1249.60 5.83	1714.60<= 5.83	615.10 5.57	219.00 5.14	H: 43.70H N: *****	NU: 61	D: SE 74	
1716.50 87.00	IN 106 -----	511.01 100.00	1716.50<= 87.00	632.80 67.00	225.20 66.00	861.80 18.00	999.50 6.00	1009.60 4.00	H: 5.38H N: *****	NU: 33	D: CD 106	
1719.10 7.10	CO 62 -----	1173.02 100.00	1163.50 71.00	2003.90 19.00	1719.10<= 7.10	2104.90 6.40	777.80 2.00	2302.00 1.80	H: 13.50M N: *****	NU: 12	D: NI 62	
1720.60 0.03	BR 78 -----	511.01 100.00	613.90 7.61	694.80 0.05	1020.30 0.04	884.50 0.04	1720.60<= 0.03	1922.60 0.03	H: 6.50M N: 1.84000	NU: 20	D: SE 78	
1720.80 1.07	AG 104M -----	555.80 100.00	1238.80 4.26	2276.70 2.62	1781.80 2.30	785.70 2.13	1720.80<= 1.97	2139.20 1.80	H: 33.50M N: 0.61000	NU: 38	D: PD 104	
1723.10 5.44	AU 192 -----	316.49 100.00	295.94 38.50	612.44 7.48	308.43 5.97	1723.10<= 5.44	1423.00 5.15	582.58 4.65	H: 4.10H N: *****	NU: 99	D: PT 192	
1732.10 7.40	LA 134 -----	605.20 100.00	1554.80 16.00	1424.70 8.20	1732.10<= 7.40	1483.60 6.40	563.00 6.00	1210.90 4.10	H: 6.70H N: *****	NU: 33	D: BA 134	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)							H: HALF LIFE NU: NUMBER OF ENERGIES IN	D: DAUGHTER NU: NUMBER OF ENERGIES IN	N: NORMAL FACTOR TABLE 1
1738.20 2.00	PA 234M -----	1001.20 100.00	766.60 34.30	743.00 9.50	257.90 8.00	786.40 5.75	1738.20<= 2.00	1831.50 1.83	H: 1.18H N: *****	NU: 63	D: U 234
1738.50 5.40	RH 96 -----	684.60 100.00	832.30 100.00	630.70 78.00	741.20 32.00	1228.40 16.00	1164.40 6.20	1738.50<= 5.40	H: 9.50H N: *****	NU: 20	D: RU 96
1744.50 0.13	ZR 89 -----	909.20 100.00	511.01 44.27	1712.60 0.82	1744.50<= 1657.30 0.13 0.11	1620.80 0.07			H: 78.4CH N: 0.99400	NU: 6	D: Y 89
1744.50 17.68	AG 102 -----	556.70 100.00	719.40 59.42	1522.70 27.54	1744.50<= 1581.60 17.68 14.06	835.40 14.06	1257.10 13.04		H: 13.00H N: *****	NU: 21	D: PD 102
1746.70 17.20	YB 163 -----	860.26 100.00	63.58 69.60	123.21 19.90	326.05 17.20	1746.70<= 130.86 17.20	1908.10 15.30		H: 10.96H N: *****	NU: 58	D: TP 163 *
1747.10 0.23	J 122 -----	511.01 100.00	564.00 12.75	692.60 0.94	793.00 0.94	683.50 0.65	1747.10<= 2188.00 0.23 0.20		H: 3.50H N: *****	NU: 48	D: TE 122
1757.70 8.35	NI 57 -----	1377.70 100.00	511.01 97.47	127.10 18.99	1919.50 18.99	1757.70<= 1046.40 8.35 0.16	2804.00 0.13		H: 35.54H N: 0.79000	NU: 18	D: CC 57 *
1761.90 100.00	SC 49 -----	1761.90<= 1622.60 100.00 20.00							H: 57.50H N: 0.00050	NU: 2	D: TI 49
1764.27 93.10	BI 205 -----	703.40 100.00	1764.27<= 93.10 93.10	987.56 53.40	1043.66 23.90	1861.69 17.50	579.78 16.80	570.58 13.20	H: 15.31D N: *****	NU: 79	D: PB 205 *
1764.70 39.53	RA 226 -----	609.40 100.00	351.99 81.40	295.22 41.86	1764.70<= 1120.40 39.53 32.56	241.92 17.21	1238.20 14.88		H: 160.01E N: 0.43000	NU: 62	D: RN 222 *
1770.22 7.50	BI 207 -----	569.67 100.00	1063.62 76.00	1770.22<= 7.50 7.50	897.30 0.16				H: 38.00A N: 0.97900	NU: 4	D: PB 207
1771.48 15.79	CO 56 -----	846.74 100.00	1238.28 69.94	511.01 48.48	1037.85 30.47	2598.57 16.90	1771.48<= 2034.90 15.79 7.82		H: 77.30D N: 0.98800	NU: 45	D: FE 56
1778.70 10.61	AS 68 -----	511.01 100.00	1016.50 32.83	762.60 11.62	651.20 11.62	1778.70<= 613.50 10.61 2.78	1263.50 1.82		H: 159.00S N: 1.98000	NU: 21	D: GE 68 *
1781.80 2.30	AG 104M -----	555.80 100.00	1238.80 4.26	2276.70 2.62	1781.80<= 785.70 2.30 2.13	1720.80 1.97	2139.20 1.80		H: 33.50H N: 0.61000	NU: 38	D: PD 104
1784.40 0.13	AG 110 -----	657.70 100.00	815.50 0.85	1125.90 0.33	295.90 0.17	1674.90 0.15	1784.40<= 1474.50 0.13 0.10		H: 24.60S N: 0.04500	NU: 12	D: CD 110
1786.40 14.70	SM 141M -----	196.60 100.00	431.80 54.40	777.40 27.30	1786.40<= 1490.30 14.70 12.50	911.30 12.40	1145.10 11.70		H: 22.10H N: *****	NU: 47	D: PP 141 *
1791.60 24.18	CU 60 -----	511.01 100.00	1332.50 47.45	1791.60<= 826.40 24.18 11.14	3124.40 2.57	1861.60 2.54	1035.10 1.91		H: 24.00H N: 1.84000	NU: 74	D: NT 60
1795.70 0.02	AL 29 -----	1273.50 100.00	2425.70 6.04	2027.80 3.74	1152.40 0.90	754.50 0.24	397.90 0.03	1795.70<= 0.02	H: 6.60M N: 0.91000	NU: 8	D: SI 29
1809.00 62.38	AL 26 -----	511.01 100.00	1809.00<= 1130.00 62.38 1.56	2938.00 0.15					H: 6.40S N: 1.60000	NU: 4	D: PG 26
1817.00 5.00	RH 98 -----	652.60 100.00	745.40 5.60	1817.00<= 1164.40 5.00 4.80	762.30 1.80	1414.90 1.20	597.70 0.80		H: 8.30H N: *****	NU: 7	D: RU 98
1823.60 18.72	TA 176 -----	1159.30 100.00	201.84 24.36	1224.90 23.17	1584.00 22.02	710.49 21.33	1696.50 19.50	1823.60<= 18.72	H: 8.00H N: 0.21800	NU: 99	D: HF 176
1831.50 1.83	PA 234M -----	1001.20 100.00	766.60 34.30	743.00 9.50	257.90 8.00	786.40 5.75	1738.20 2.00	1831.50<= 1.83	H: 1.18H N: *****	NU: 63	D: U 234
1834.70 23.13	AG 102M -----	556.70 100.00	1834.70<= 2054.50 23.13 15.63	2159.40 11.88	3238.60 11.56	1461.10 10.63	2017.80 6.56		H: 8.00M N: *****	NU: 14	D: PD 102
1836.08 100.00	Y 88 -----	1836.08<= 897.02 100.00 91.95	2734.17 0.62	511.01 0.40					H: 107.40D N: 0.99400	NU: 4	D: SR 88
1847.30 34.90	RI 203 -----	819.90 100.00	898.20 55.50	825.20 54.40	1847.30<= 1033.30 34.90 28.00	1679.60 26.90	847.00 26.70		H: 11.80H N: *****	NU: 73	D: PB 203
1847.70 100.00	SI 33 -----	1847.70<= 1431.40 100.00 15.00	2539.00 9.60	416.30 8.70	1107.60 0.87	691.30 0.43			H: 6.30S N: *****	NU: 6	D: P 33 *
1852.50 10.53	BR 76 -----	511.01 100.00	559.40 52.62	657.00 10.53	1852.50<= 1216.30 10.53 6.84	2948.00 4.96	2793.40 4.21		H: 16.00H N: 1.33000	NU: 99	D: SE 76
1854.50 21.95	Y 86 -----	1076.00 100.00	1153.00 36.59	627.70 35.37	1920.00 30.49	778.50 25.61	1854.50<= 442.00 21.95 21.95		H: 14.74H N: 0.82000	NU: 78	D: SR 86
1860.10 6.52	TB 148 -----	783.40 100.00	511.00 44.00	489.10 29.50	1077.10 13.80	631.10 13.30	1860.10<= 1401.40 6.52 2.50		H: 70.00H N: *****	NU: 59	D: GD 148 *
1861.60 2.54	CU 60 -----	511.01 100.00	1332.50 47.45	1791.60 24.18	826.40 11.14	3124.40 2.57	1861.60<= 1035.10 2.54 1.91		H: 24.00H N: 1.84000	NU: 74	D: NT 60
1861.69 17.50	BI 205 -----	703.40 100.00	1764.27 93.10	987.56 53.40	1043.66 23.90	1861.69<= 579.78 17.50 16.80	570.58 13.20		H: 15.31D N: *****	NU: 79	D: PB 205 *

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								HALF LIFE NU:NUMBER OF ENERGIES IN TABLE I	D:DAUGHTER NU:NUMBER OF ENERGIES IN TABLE I	N:NORMAL FACTOR
1868.80 5.80	TC 94M	871.10 100.00	1522.00 5.90	1868.80<= 5.80	2740.00 3.80	993.10 2.60	3120.20 1.20	1196.20 0.90	H: 52.00H N: *****	NU:10	D:PD 94	
1883.50 0.08	GA 68	511.01 100.00	1077.50 1.98	1883.50<= 0.08	1261.30 0.05	805.70 0.05	165.90 0.04	578.40 0.02	H: 68.30H N: 1.76000	NU: 9	D:ZN 68	
1886.30 0.50	CO 62M	1173.02 100.00	2301.96 19.00	1128.99 16.00	1985.00 2.80	2345.80 1.30	3158.40 1.00	1886.30<= 0.50	H: 1.40H N: *****	NU: 9	D:NI 62	
1897.40 10.81	RB 84	881.50 100.00	511.01 56.76	1897.40<= 10.81	1015.90 0.68				H: 34.50H N: 0.74000	NU: 4	D:KR 84	
1907.50 5.00	PH 96M	932.30 100.00	1097.80 29.00	1692.30 25.00	2164.10 12.00	2256.50 7.00	1907.50<= 5.00	2456.00 3.50	H: 1.45H N: *****	NU:11	D:RU 96	
1908.10 15.30	YB 163	960.26 100.00	63.58 69.60	123.21 19.90	326.05 17.20	1746.70 17.20	130.86 17.00	1908.10<= 15.30	H: 10.96H N: *****	NU:58	D:TP 163 *	
1909.00 12.57	LA 132	464.00 100.00	567.00 20.54	193.00 14.86	1909.00<= 12.57	663.00 11.76	1031.00 11.49	540.00 8.78	H: 4.50H N: 0.74000	NU:99	D:BA 132	
1914.00 1.89	SN 111	511.01 100.00	1152.00 3.09	761.00 1.89	1914.00<= 1.89	1610.00 1.39	1541.00 0.90	2099.00 0.46	H: 35.50H N: 0.54000	NU: 9	D:IN 111 *	
1915.61 2.80	Y 94	918.20 100.00	1139.10 20.00	550.10 8.40	1668.60 6.20	750.50 4.60	381.60 3.20	1915.61<= 2.80	H: 19.40H N: 0.50000	NU:15	D:ZR 94	
1918.64 1.83	GA 66	511.01 100.00	1039.30 22.17	2752.00 20.00	833.50 5.13	2189.90 4.87	4295.80 2.96	1918.64<= 1.83	H: 9.30H N: 1.15000	NU:61	D:ZN 66	
1919.50 18.99	NI 57	1377.70 100.00	511.01 97.47	127.10 18.99	1919.50<= 18.99	1757.70 8.35	1046.40 0.16	2804.00 0.13	H: 35.94H N: 0.79000	NU:18	D:CO 57 *	
1920.00 30.49	Y 86	1076.00 100.00	1153.00 36.59	627.70 35.37	1920.00<= 30.49	778.50 25.61	1854.50 21.95	442.00 21.95	H: 14.74H N: 0.82000	NU:78	D:SR 86	
1922.60 0.03	BR 78	511.01 100.00	613.90 7.61	694.80 0.05	1020.30 0.04	884.50 0.04	1720.60 0.03	1922.60<= 0.03	H: 6.50H N: 1.84000	NU:20	D:SE 78	
1944.50 1.84	MN 50	511.01 100.00	1098.00 48.60	783.30 47.15	1443.30 32.55	1282.40 15.55	661.50 11.80	1944.50<= 1.84	H: 1.75H N: 2.00000	NU:15	D:CR 50	
1966.00 0.39	J 130M	536.08 100.00	586.10 8.73	1615.00 3.83	1122.00 1.22	1028.00 0.40	1966.00<= 0.39	1380.00 0.30	H: 8.82H N: 0.15800	NU:14	D:J 130 *	
1985.00 2.80	CO 62M	1173.02 100.00	2301.96 19.00	1128.99 16.00	1985.00<= 2.80	2345.80 1.30	3158.40 1.00	1886.30 0.50	H: 1.40H N: *****	NU: 9	D:NI 62	
1996.30 0.17	CS 130	511.01 100.00	536.00 4.37	686.10 0.51	894.00 0.46	1614.60 0.27	1687.30 0.20	1996.30<= 0.17	H: 29.10H N: *****	NU:17	D:XE 130	
1997.10 0.61	ZN 61	511.01 100.00	475.20 8.08	1660.50 3.74	970.00 1.21	1185.40 0.81	690.40 0.81	1997.10<= 0.61	H: 86.00S N: 1.98000	NU:47	D:CU 61 *	
2003.90 19.00	CO 62	1173.02 100.00	1163.50 71.00	2003.90<= 19.00	1719.10 7.10	2104.90 6.40	777.80 2.00	2302.00 1.80	H: 13.50H N: *****	NU:12	D:NI 62	
2017.80 6.56	AG 102M	556.70 100.00	1834.70 23.13	2054.50 15.63	2159.40 11.88	3238.60 11.56	1461.10 10.63	2017.80<= 6.56	H: 8.00H N: *****	NU:14	D:PD 102	
2027.80 3.74	AL 29	1273.50 100.00	2425.70 6.04	2027.80<= 3.74	1152.40 0.90	754.50 0.24	397.90 0.03	1795.70 0.02	H: 6.60H N: 0.91000	NU: 8	D:SI 29	
2034.90 7.82	CO 56	846.74 100.00	1238.28 69.94	511.01 48.48	1037.85 30.47	2598.57 16.90	1771.48 15.79	2034.90<= 7.82	H: 77.30D N: 0.98800	NU:45	D:FE 56	
2040.90 11.00	TL 198	411.70 100.00	636.80 13.40	675.90 12.80	2040.90<= 11.00	1200.50 9.60	1420.30 9.10	1311.90 4.90	H: 5.30H N: *****	NU:65	D:HG 198	
2041.40 100.00	LU 170	2041.40<= 100.00	1279.80 96.00	84.26 85.00	985.30 83.00	1054.00 59.70	2125.60 59.00	1364.10 48.00	H: 2.02D N: *****	NU:99	D:YB 170	
2053.90 88.24	TM 166	779.90 100.00	2053.90<= 88.24	184.20 81.37	1275.20 68.63	704.40 55.88	786.60 49.51	673.10 44.36	H: 7.70H N: 0.20400	NU:77	D:ER 166	
2054.50 15.63	AG 102M	556.70 100.00	1834.70 23.13	2054.50<= 15.63	2159.40 11.88	3238.60 11.56	1461.10 10.63	2017.80 6.56	H: 8.00H N: *****	NU:14	D:PD 102	
2084.70 0.00	CU 62	511.01 100.00	1173.00 0.18	875.70 0.08	2301.00 0.02	1129.10 0.02	3369.90 0.01	2084.70<= 0.00	H: 9.75H N: 1.96000	NU:16	D:NI 62	
2099.00 0.46	SN 111	511.01 100.00	1152.00 3.09	761.00 1.89	1914.00 1.89	1610.00 1.39	1541.00 0.90	2099.00<= 0.46	H: 35.50H N: 0.54000	NU: 9	D:IN 111 *	
2104.90 6.40	CO 62	1173.02 100.00	1163.50 71.00	2003.90 19.00	1719.10 7.10	2104.90<= 6.40	777.80 2.00	2302.00 1.80	H: 13.50H N: *****	NU:12	D:NI 62	
2105.90 0.23	AS 72	834.00 100.00	629.93 10.20	1464.00 1.43	1050.76 1.23	894.27 0.99	2105.90<= 0.23	2201.74 0.65	H: 26.00H N: *****	NU:60	D:GE 72	
2106.10 5.12	AG 112	617.00 100.00	1387.20 12.33	606.40 8.14	1613.20 6.74	694.20 6.05	2106.10<= 5.12	1311.70 2.56	H: 3.15H N: 0.43000	NU:98	D:CD 112	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE I	D: DAUGHTER	N: NORM. FACTOR
2123.00 25.93	Y 85 -----	232.00 100.00	2123.00<= 25.93	768.00 20.00	1404.00 15.43	2173.00 11.13	1220.00 7.60	1029.00 7.42	H: 4.90H N: 0.22100	NU: 28	D: SR 85 *	
2125.60 59.00	LU 170 -----	2041.40 100.00	1279.80 96.00	84.26 85.00	985.30 83.00	1054.00 59.70	2125.60<= 59.00	1364.10 48.00	H: 2.02D N: *****	NU: 99	D: Y8 170	
2128.50 38.00	CL 34H -----	511.01 100.00	146.50 45.00	2128.50<= 38.00	1177.50 12.00	3305.00 12.00			H: 32.0CM N: 1.00000	NU: 5	D: CL 34 *	
2139.20 1.80	AG 104H -----	555.80 100.00	1238.00 4.26	2276.70 2.62	1761.80 2.30	785.70 2.13	1720.80 1.97	2139.20<= 1.80	H: 33.50M N: 0.61000	NU: 38	D: PD 104	
2159.40 11.88	AG 102H -----	556.70 100.00	1634.70 23.13	2054.50 15.63	2159.40<= 11.88	3238.60 11.56	1461.10 10.63	2017.80 6.56	H: 8.00M N: *****	NU: 14	D: PD 102	
2164.10 12.00	RH 96H -----	832.30 100.00	1097.80 29.00	1692.30 25.00	2164.10<= 12.00	2256.50 7.00	1907.50 5.00	2456.00 3.50	H: 1.45H N: *****	NU: 11	D: RU 96	
2167.60 50.00	K 38 -----	511.01 100.00	2167.60<= 50.00						H: 7.61M N: 2.00000	NU: 2	D: AR 38	
2173.00 11.13	Y 85 -----	232.00 100.00	2123.00 25.93	768.00 20.00	1404.00 15.43	2173.00<= 11.13	1220.00 7.60	1029.00 7.42	H: 4.90H N: 0.22100	NU: 28	D: SR 85 *	
2186.20 20.11	NB 90 -----	1129.10 100.00	2318.60 92.13	141.15 75.28	2186.20<= 20.11	132.60 4.94	1612.10 4.49	827.70 2.25	H: 14.6CH N: 0.89000	NU: 12	D: ZR 90	
2188.00 0.20	J 122 -----	511.01 100.00	564.00 12.75	692.60 0.94	793.00 0.94	683.50 0.65	1747.10 0.23	2188.00<= 0.20	H: 3.5CM N: *****	NU: 48	D: TE 122	
2189.90 4.87	GA 66 -----	511.01 100.00	1039.30 32.17	2752.00 20.00	833.50 5.13	2189.90<= 4.87	4295.80 2.96	1918.64 1.83	H: 9.3CH N: 1.15000	NU: 61	D: ZN 66	
2195.60 6.12	GA 64 -----	511.01 100.00	992.20 22.96	3366.90 8.16	809.40 7.14	1387.80 6.63	2195.60<= 6.12	919.10 3.88	H: 2.6CM N: 1.96000	NU: 29	D: ZN 64	
2201.74 0.65	AS 72 -----	834.00 100.00	629.03 10.20	1464.00 1.43	1050.76 1.23	894.27 0.99	2105.90 0.93	2201.74<= 0.65	H: 26.0CH N: *****	NU: 60	D: GE 72	
2214.60 38.34	IR 188 -----	155.00 100.00	634.80 65.89	478.00 47.85	2214.60<= 38.34	312.00 23.93	1210.30 20.28	829.50 19.85	H: 41.5CH N: 0.32600	NU: 75	D: OS 188	
2220.00 0.23	ZR 87 -----	511.01 100.00	1228.00 2.30	1210.00 0.73	793.00 0.36	1202.00 0.25	2220.00<= 0.23	1160.00 0.16	H: 1.60H N: 1.65000	NU: 15	D: Y 87**	
2237.00 3.20	PR 138 -----	788.80 100.00	688.20 33.00	1551.50 17.00	1447.90 4.80	1510.50 3.70	1431.00 3.40	2237.00<= 3.20	H: 1.5CM N: *****	NU: 12	D: CE 138	
2238.50 1.53	MO 91H -----	652.80 100.00	1507.60 43.64	1208.00 34.87	2240.70 1.62	2238.50<= 1.53	1032.80 1.29	1082.30 0.87	H: 1.02M N: 0.45600	NU: 10	D: MC 91 *	
2240.10 2.35	V 48 -----	511.01 100.00	983.40 98.04	1311.90 97.06	944.20 8.73	2240.10<= 2.35	928.40 1.18	1437.60 0.12	H: 15.97D N: 1.02000	NU: 9	D: TI 48	
2240.70 1.62	MO 91H -----	652.80 100.00	1507.60 43.64	1208.00 34.87	2240.70<= 1.62	2238.50 1.53	1032.80 1.29	1082.30 0.87	H: 1.02M N: 0.45600	NU: 10	D: MO 91 *	
2256.50 7.00	RH 96H -----	832.30 100.00	1097.80 29.00	1692.30 25.00	2164.10 12.00	2256.50<= 7.00	1907.50 5.00	2456.00 3.50	H: 1.45H N: *****	NU: 11	D: RU 96	
2276.70 2.62	AG 104H -----	555.80 100.00	1238.80 4.26	2276.70<= 2.62	1761.80 2.30	785.70 2.13	1720.80 1.97	2139.20 1.80	H: 33.5CM N: 0.61000	NU: 38	D: PD 104	
2300.80 46.00	CD 105 -----	510.80 100.00	2300.80<= 46.00	961.10 3.80	1301.80 3.80	606.60 3.80	347.10 3.20	1692.90 3.10	H: 55.0CM N: *****	NU: 99	D: AG 105 *	
2301.00 0.02	CU 62 -----	511.01 100.00	1173.00 0.18	875.70 0.08	2301.00<= 0.02	1129.10 0.02	3369.90 0.01	2084.70 0.00	H: 9.75M N: 1.96000	NU: 16	D: NI 62	
2301.96 19.00	CD 62H -----	1173.02 100.00	2301.96<= 19.00	1128.99 16.00	1985.00 2.80	2345.80 1.30	3158.40 1.00	1886.30 0.50	H: 1.40M N: *****	NU: 9	D: NI 62	
2302.00 1.80	CD 62 -----	1173.02 100.00	1163.50 71.00	2003.90 19.00	1719.10 7.10	2104.90 6.40	777.80 2.00	2302.00<= 1.80	H: 13.5CM N: *****	NU: 12	D: NI 62	
2318.60 92.13	NB 90 -----	1129.10 100.00	2318.60<= 92.13	141.15 75.28	2186.20 20.11	132.60 4.94	1612.10 4.49	827.70 2.25	H: 14.6CH N: 0.89000	NU: 12	D: ZR 90	
2345.80 1.30	CD 62H -----	1173.02 100.00	2301.96 19.00	1128.99 16.00	1985.00 2.80	2345.80<= 1.30	3158.40 1.00	1886.30 0.50	H: 1.4CM N: *****	NU: 9	D: NI 62	
2348.30 1.63	PR 140 -----	1566.50 100.00	306.90 37.00	751.80 6.00	924.24 5.20	2521.70 2.78	1420.30 1.80	2348.30<= 1.63	H: 3.4CM N: *****	NU: 17	D: CE 140	
2354.20 17.00	K 45 -----	174.30 100.00	1705.60 87.00	2354.20<= 17.00	1260.70 8.70	2598.80 4.40			H: 16.30M N: *****	NU: 5	D: CA 45 *	
2376.00 40.00	RH 100 -----	539.40 100.00	2376.00<= 40.00	1552.50 28.00	822.20 27.00	1362.40 20.00	1106.30 18.00	445.50 15.80	H: 20.0CH N: *****	NU: 31	D: RU 100	
2425.70 6.04	AL 29 -----	1273.50 100.00	2425.70<= 6.04	2027.80 3.74	1152.40 0.90	754.50 0.24	397.90 0.03	1795.70 0.02	H: 6.60M N: 0.91000	NU: 8	D: SI 29	

ENERGY (INTENS.)	NUCLIDE	ASSOCIATED ENERGIES (RELATIVE INTENSITIES)								H: HALF LIFE NU: NUMBER OF ENERGIES IN TABLE 1	D: DAUGHTER	N: NORMAL FACTOR
2455.00 16.00	J 120 -----	561.00 100.00	1526.00 20.00	2455.00<= 16.00	2565.00 14.00	641.00 12.00	601.00 7.40	1202.00 1.30	H: 1.35H N: *****	NU: 7	D: TE 120	
2456.00 3.50	RH 96M -----	832.30 100.00	1007.80 29.00	1602.30 25.00	2164.10 12.00	2256.50 7.00	1907.50 5.00	2456.00<= 3.50	H: 1.45H N: *****	NU: 11	D: RU 96	
2521.70 2.78	PR 140 -----	1566.50 100.00	306.90 37.00	751.80 6.00	924.24 5.20	2521.70<= 2.78	1420.30 1.80	2348.30 1.63	H: 3.40H N: *****	NU: 17	D: CE 140	
2525.00 9.60	SI 33 -----	1847.70 100.00	1431.40 15.00	2539.00<= 9.60	416.30 8.70	1107.60 0.87	691.30 0.43		H: 6.30S N: *****	NU: 6	D: P 33 *	
2565.00 14.00	J 120 -----	561.00 100.00	1526.00 20.00	2455.00 16.00	2565.00<= 14.00	641.00 12.00	601.00 7.40	1202.00 1.30	H: 1.35H N: *****	NU: 7	D: TE 120	
2598.57 16.90	CO 56 -----	646.74 100.00	1238.29 69.94	511.01 48.48	1037.85 30.47	2598.57<= 16.90	1771.48 15.79	2034.90 7.82	H: 77.30D N: 0.98800	NU: 45	D: FE 56	
2598.80 4.40	K 45 -----	174.30 100.00	1705.60 87.00	2354.20 17.00	1260.70 8.70	2598.80<= 4.40			H: 16.30M N: *****	NU: 5	D: CA 45 *	
2614.60 100.00	TL 208 -----	2614.60<= 100.00	583.06 86.00	510.80 23.00	860.37 12.00	277.35 6.90	763.13 1.80	252.60 0.80	H: 3.05H N: 1.00000	NU: 16	D: PB 208	
2656.60 0.11	SC 44 -----	511.01 100.00	1157.00 50.00	1499.60 0.43	2656.60<= 0.11				H: 3.90H N: 1.88000	NU: 4	D: CA 44	
2684.00 4.53	TB 147 -----	1153.00 100.00	139.80 44.93	694.50 40.80	511.01 13.47	119.70 8.93	554.90 5.07	2684.00<= 4.53	H: 24.00M N: 0.75000	NU: 18	D: GD 147 *	
2734.17 0.62	Y 88 -----	1836.08 100.00	897.02 91.95	2734.17<= 0.62	511.01 0.40				H: 107.40D N: 0.99400	NU: 4	D: SR 88	
2740.00 3.80	TC 94M -----	871.10 100.00	1522.00 5.90	1868.80 5.80	2740.00<= 3.80	993.10 2.60	3129.20 1.20	1196.20 0.90	H: 52.00M N: *****	NU: 10	D: PO 94	
2752.00 20.00	GA 66 -----	511.01 100.00	1039.30 32.17	2752.00<= 20.00	833.50 5.13	2189.90 4.87	4295.80 2.96	1918.64 1.83	H: 9.30H N: 1.15000	NU: 61	D: ZN 66	
2793.40 4.21	BR 76 -----	511.01 100.00	559.40 52.63	657.00 10.53	1852.50 10.53	1216.30 6.84	2949.00 4.96	2793.40<= 4.21	H: 16.00H N: 1.33000	NU: 99	D: SE 76	
2803.80 0.55	IN 121M -----	60.10 100.00	1041.20 5.50	1102.20 4.50	321.00 2.50	1120.40 2.50	908.90 1.63	2803.80<= 0.55	H: 3.76M N: *****	NU: 11	D: SN 121 *	
2804.00 0.13	NI 57 -----	1377.70 100.00	511.01 97.47	127.10 18.99	1919.50 18.99	1757.70 8.35	1046.40 0.16	2804.00<= 0.13	H: 35.54H N: 0.79000	NU: 18	D: CO 57 *	
2938.00 0.15	AL 26 -----	511.01 100.00	1809.00 62.38	1130.00 1.56	2938.00<= 0.15				H: 6.40S N: 1.60000	NU: 4	D: PG 26	
2949.00 4.96	BR 76 -----	511.01 100.00	559.40 52.63	657.00 10.53	1852.50 10.53	1216.30 6.84	2949.00<= 4.96	2793.40 4.21	H: 16.00H N: 1.33000	NU: 99	D: SE 76	
3124.40 2.57	CU 60 -----	511.01 100.00	1232.50 47.45	1791.60 24.18	826.40 11.14	3124.40<= 2.57	1861.60 2.54	1035.10 1.91	H: 24.00M N: 1.84000	NU: 74	D: NT 60	
3129.20 1.20	TC 94M -----	871.10 100.00	1522.00 5.90	1868.80 5.80	2740.00 3.80	993.10 2.60	3129.20<= 1.20	1196.20 0.90	H: 52.00M N: *****	NU: 10	D: PO 94	
3158.40 1.00	CO 62M -----	1173.02 100.00	2301.96 19.00	1128.99 16.00	1985.00 2.80	2345.80 1.30	3158.40<= 1.00	1886.30 0.50	H: 1.40M N: *****	NU: 9	D: NI 62	
3238.60 11.56	AG 102M -----	556.70 100.00	1834.70 23.13	2054.50 15.63	2159.40 11.88	3238.60<= 11.56	1461.10 10.63	2017.80 6.56	H: 8.00M N: *****	NU: 14	D: PD 102	
3305.00 12.00	CL 34M -----	511.01 100.00	146.50 45.00	2128.50 38.00	1177.50 12.00	3305.00<= 12.00			H: 32.00M N: 1.00000	NU: 5	D: CL 34 *	
3366.90 8.16	GA 64 -----	511.01 100.00	992.20 22.96	3366.90<= 8.16	809.40 7.14	1387.80 6.63	2195.60 6.12	919.10 3.88	H: 2.60M N: 1.96000	NU: 29	D: ZN 64	
3369.90 0.01	CU 62 -----	511.01 100.00	1173.00 0.18	875.70 0.08	2301.00 0.02	1129.10 0.02	3369.90<= 0.01	2084.70 0.00	H: 9.75M N: 1.96000	NU: 13	D: NI 62	
4295.80 2.96	GA 66 -----	511.01 100.00	1039.30 32.17	2752.00 20.00	833.50 5.13	2189.90 4.87	4295.80<= 2.96	1918.64 1.83	H: 9.30H N: 1.15000	NU: 61	D: ZN 66	
5653.00 0.10	IN 112 -----	619.20 100.00	606.40 23.40	1252.60 5.60	1469.00 1.20	1278.00 0.20	5653.00<= 0.10		H: 14.40M N: *****	NU: 6	D: CD 112	

