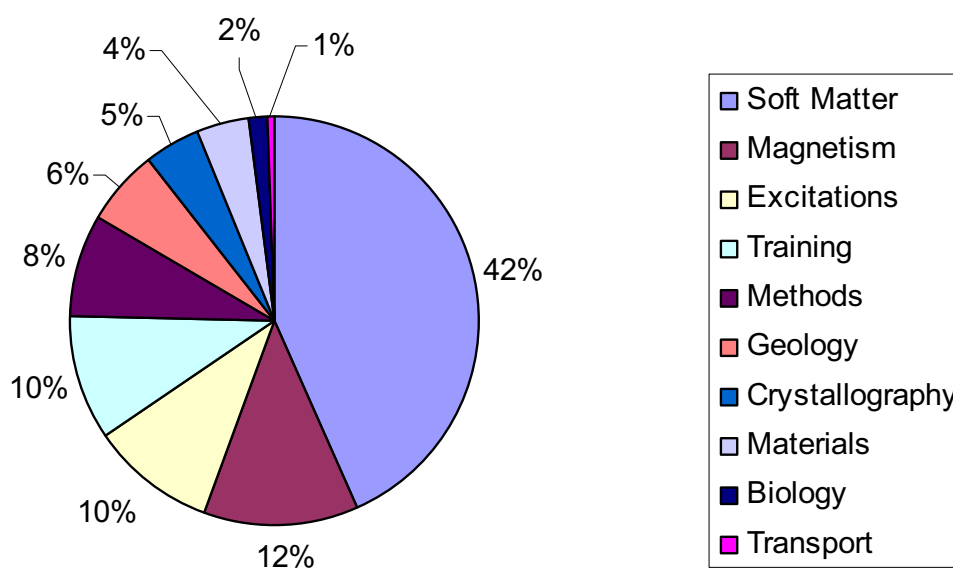


Publications

In the following section publications of the years 2001 to now resulting from experiments at the Jülich research reactor FRJ-2 and neutron scattering instruments operated by FZ Jülich externally are listed. The list is based on the response of the users and therefore probably not complete. A total of 385 journal publications was reported to us, in addition to numerous invited talks, conference presentations, and theses. This is the highest number since the first issue of this report. We thank the experimenters for this great support!

The number of reported journal publications showed a significant increase from about 63 in the years 2000–2003, 79 in the year 2004, to 102 in the years 2005/6. This shows how the increasing user activity (especially due to the EU programme) bore fruit.



Distribution of topics of journal publications of the years 2001–now (without theses)

The figure above represents the breakdown of the journal publication number by topics. Clearly, soft matter research takes the largest share as it does for the experiments proposed. But also the hard matter activities divided into the categories magnetism, excitations, geology, crystallography, and materials make up for a considerable part of 37 %. Notable is the large fraction of methodological and educational publications which shows the significance of the FRJ-2 reactor for the development of new instruments and the training of new users.

Neutron Instruments and Methods

Publications

2005

Dohmen,L, Thelen,J, Alefeld,B

The Neutron Velocity Selector at the Focussing Small Angle Scattering Instrument in Jülich
J. Neutron Res. **13**, 275 (2005)

Kentzinger,E, Rücker,U, Paul,A, Brückel,Th

Layer resolved magnetization correlations in multilayers
Neutron News **16**, 26 (2005)

Paul,A, Kentzinger,E, Ruecker,U, Buergler,DE, Gruenberg,P

Polarized neutron scattering of exchanged-biased magnetic multilayers
Physica B **356**, 26 (2005)

Paul,A, Kentzinger,E, Ruecker,U, Buergler,DE, Gruenberg,P

Nonuniform and sequential magnetization reversal via domain structure formation for multilayered system with grain size induced enhanced exchange bias
European Physical Journal B **45**, 249 (2005)

Radulescu,A, Kentzinger,E, Stellbrink,J, Dohmen,L, Alefeld,B, Rücker,U, Heiderich,M, Schwahn,D, Brückel,T, Richter,D

KWS-3, the new (very) small-angle neutron scattering instrument based on focussing-mirror optics
Neutron News **16**, 18 (2005)

Schlapp,M, Ioffe,A, Conrad,H, Brückel,T, Fueß,H, vonSeggern,H

Novel materials and concepts for neutron image plates
Nucl. Instr. Meth. A **551/1**, 46 (2005)

Schweika,W, Easton,S, Neumann,KU

Vector Polarization Analysis on DNS
Neutron News **16**, 14 (2005)

Tietze-Jaensch,H, Zorn,R, Brückel,T, Richter,D

Neutron Scattering at the Research Center Jülich
Neutron News **16**, 11 (2005)

2004

Ioffe, A.

Neutron speed echo add-on to TAS: an increase in resolution without the use of polarized neutrons
J. Magn. Magn. Mater. **272** (2004), 2136

Ioffe, A., Manoshin, S.

A neutron spin-echo spectrometer based upon thin magnetic film flippers: the simulation of performance
Physica B **345** (2004), 235

Kemmerling,G, Bünten,U, Clemens,U, Engels,R, Heiderich,M, Pyckhout-Hintzen,W, Rongen,H, Schelten,J, Schwahn,D, Zvoll,K

Performance Measurements of a new Large-Area Neutron Scintillation Detector System
IEEE Transactions on Nuclear Science **51**, 1098-1102 (2004)

Kentzinger,E, Dohmen,L, Alefeld,B, Rücker,U, Stellbrink,J, Ioffe,A, Richter,D, Brückel,Th

KWS-3, the new focusing-mirror ultra small-angle neutron scattering instrument and reflectometer at Jülich
Physica B **350**, e779-e781 (2004)

Schlapp,M, Conrad,H, vonSeggern,H

Pixelated neutron image plates
J. Phys. D: Appl. Phys. **37**, 2607-2612 (2004)

Schlapp,M, Hoelzel,M, Gilles,R, Ioffe,A, Brueckel,T, Fuess,H, von Seggern, H

Novel types of neutron image plates based on KCl^{2+} -LiF
Physica B **350**, e861-e864 (2004)

Schäfer,W, Kirfel,A, Phiesel,H, Skowronek,R

Construction and tests of a low-cost furnace for neutron powder diffractometry
Physica B **350**, e751-e754 (2004)

2003

Brückel, Th., Eccleston, R., Lauter, H., Maleyev, S., Rekveldt, Th., Schreyer, A., Schweizer, J., Toperverg, B.

Polarized neutron methods and instrumentation for pulsed sources
Physica B 335 (2003), 143 – 146

Kentzinger, E., Rücker, U., Toperverg, B.

Simulations of off-specular scattering of polarized neutrons from laterally patterned magnetic multilayers
Physica B 335 82 (2003)

Monkenbusch, M.

NSE spectrometer of the next generation - where are the limits?

Neutron spin echo spectroscopy / ed.: F. Mezei ... - Berlin, 2003. - (Lecture notes in physics, 601). - 3-540-44293-6. - S. 201 – 212

Mueller, R., Chang, L. J., Appelt, St., Haesing, W., Horriar-Esser, Ch., Ioffe, A., Brückel, Th.

Progress in the production of polarized ^3He in Jülich
Physica B 335 (2003), 278 – 281

Schmidt, W., Ohl, M., Ruppert, H., Buchenau, U.
Instrumental setup for polarized neutron scattering experiments

Journal of applied physics, 93 (2003), S. 7071 – 7073

Schweika, W.

Time-of-flight and Vector Polarization Analysis for Diffuse Neutron Scattering
Physica B 335 (1-4) (2003) pp.157-163

Schweika, W.

Time-of-flight and Vector Polarization Analysis for Diffuse Neutron Scattering
Proceedings of the 16th Meeting of the International Collaboration on Advanced Neutron Sources (2003), 199 - 206

Villa, M., Baron, M., Hainbuchner, M., Jericha, E., Leiner, V., Schwahn, D., Seidl, E., Stahn, J., Rauch, H.

Optimization of a Crystal Design for a Bonse-Hart Camera
J. Appl. Cryst 36, 769 (2003)

2002

Ioffe, A., Conrad, H., Zeiske, T., Mueller, R., Küssel, E., Masalovich, S., Schlapp, M., Schmitz, B., Brückel, Th.

A new thermal neutron spectrometer/diffractometer for polarization analysis (SV30) at the research reactor FRJ-2
Applied Physics A 74, 107 (2002)

Massalovich, S., Ioffe, A., Küssel, E., Schlapp, M., Brückel, Th.

Development of Image Plate Based Neutron Detector
International Workshop on Position-Sensitive Neutron Detectors - Status and Perspectives, ISSN 1433-559 2, 569 (2002)

Massalovich, S., Ioffe, A., Küssel, E., Schlapp, M., von Seggern, H., Brückel, Th.

Development of neutron image plate for low-flux measurements
Appl. Physics A [Suppl.] 74, S118 (2002)

Schlapp, M., von Seggern, H., Massalovich, S., Ioffe, A., Conrad, H., Brückel, Th.

Materials for neutron image plates with low γ -sensitivity
Appl. Phys. A 74 [Suppl.], 109-111 (2002)

2001

Kemmerling, G., Engels, R., Bussmann, N., Clemens, U., Heiderich, M., Reinartz, R., Rongen, H., Schelten, J., Schwahn, D., Zwill, K.

A new two-dimensional scintillation detector system for small angle neutron scattering
Transactions on Nuclear Science 48, 1114 (2001)

Rücker, U., Bergs, W., Alefeld, B., Kentzinger, E., Brückel, Th.

Polarization analysis for the 2D position-sensitive detector of the HADAS reflectometer
Physica B 297, 140 (2001)

Schweika, W., Böni, P.

The Instrument DNS: Polarization Analysis for Diffuse Neutron Scattering
Physica B 297, 155-159 (2001)

Zeitelhack,K

Eurisys ^3He -proportional Counters squashed series
Internal Report 29-05-01, Technische Universität
München (2001)

Invited Talks**2006****Frielinghaus,H**

Polarisation analysis and grazing incidence SANS
JCNS Symposium and European User Meeting
(Jülich) (2006)

**PalaciosGómez,J, Walter,J, Jansen,E, Kirfel,A,
Ennis,PJ, Kryshab,T**

Evidence of extinction in strong textured high purity
copper
European Powder Diffraction Conference
(EPDIC10) (Genf) (2006)

2005**Conrad,H**

The triple axis spectrometer SV-30 at the Jülich
research reactor FRJ-2
CIAE-Institutseminar (Peking) (2005)

Kentzinger,E

Diffusion de neutrons en incidence rasante. Neutrons
polarisés.
14èmes journées de la diffusion neutronique (Murol,
France) (2005)

**Kentzinger,E, Rücker,U, Toperverg,B,
Frielinghaus,H, Ott,F, Brückel,Th**

Depth-resolved investigations of lateral magnetic
correlations in multilayers: from micrometer to
nanometer length scales
International Workshop on Reflectometry, Off-
specular scattering and GISANS (PSI, Villigen,
Switzerland) (2005)

Monkenbusch,M

NSE and Soft-Matter
NSE2005, ILL-workshop (Grenoble) (2005)

Zorn, R

Neutron Scattering Facilities at the research reactor
FRJ-2
CIAE-Institutseminar (Peking) (2005)

2004**Schlapp,M**

Materials for neutron image plates
E-MRS Fall Meeting (Warschau, Polen) (2004)

Schweika,W

Complete vector polarisation on time-of-flight
instruments
Seminar (ISIS, Didcot, UK) (2004)

Schweika,W

Complete vector polarisation analysis on multi-
detector and time-of-flight instruments
Deutsche Neutronenstreutagung (TU Dresden) (2004)

Schweika,W

Complete vector polarization analysis on multi-
detector time-of-flight instruments
PNCMI 2004 (Washington) (2004)

2003**Ioffe, A.**

Neutron Speed Echo add-on to TAS: an increase in
resolution without the use of polarized neutrons
Seminar: TU München, FRM-II, 17.11.03

Schwahn, D.

First Neutron Experiments with “Bonse-Hart”
Channel-Cut Crystals. Application of the USANS
Technique at the FRJ-2 in Jülich
The first Workshop on the international Consortium
of Ultra-Small-Angle-Scattering (IConUSAS) July 9.-
10,2003,Oak Ridge,USA

Schweika, W.

Diffuse Streuung zur Untersuchung komplexer
Festkörper
Seminar des Instituts für Theoretische und
Angewandte Physik,Univ. Stuttgart,11.11.2003

Schweika, W.

Diffuse Scattering and Complete Polarization
Analysis
Workshop on Single Crystal Diffuse Scattering at
Pulsed Neutron Sources
Argonne 17.6.2003

Schweika, W.

Full Polarization Analysis on Time-of-Flight
Instruments
ICANS-16, Düsseldorf-Neuss 15.5.2003

Schweika, W.

Ein neues thermisches Neutronen-
Flugzeitspektrometer mit vollständiger vektorieller
Polarisationsanalyse
TU München, Instrumentierungsausschuss, 7.3.2003

2002**Kahle, S.**

High Resolution Inelastic Neutron Scattering
Spectroscopy
Joint ICTP-INFM School and Workshop on
Spectroscopy Investigation of the Collect (Trieste)
(2002)

Kentzinger, E.

KWS-3, the new Focusing Mirror SANS Instrument
at Juelich
6th ESS- Scientific Advisory Committee Meeting
(Bochum, Germany) (2002)

Kentzinger, E.

First Experiments on the Focusing-Mirror USANS
Diffractometer KWS-3
European Users Meeting Juelich Neutrons For Europe
(Kerkrade, NL) (2002)

Prager, M.

Status and Experience with the time-focusing thermal
TOF-spectrometer SV29 at Jülich
Paul-Scherrer-Institut (Villigen, CH) (2002)

Schweika, W.

Time-of-Flight and Polarization Analysis for Diffuse
Neutron Scattering
Bad Honnef, ESS-Tage 15.-16.4.2002

Schweika, W.

Time of Flight and Polarization Analysis for Diffuse
Neutron Scattering
Polarized Neutrons in Condensed Matter
Investigations 2002 (Jülich) (2002)

Conference Presentations**2006****Conrad, H, Brückel, T, Bussmann, K, Küssel, E,
Schmitz, B**

A new thermal neutron spectrometer/diffractometer
with polarization analysis at the research reactor FRJ-
2
JCNS Symposium and European User Meeting
(Jülich) Poster (2006)

Kentzinger, E

On the expected performance improvements of the
focussing V-SANS instrument KWS-3
JCNS Symposium and European User Meeting
(Jülich) Talk (2006)

**Kentzinger, E, Rücker, U, Frielinghaus, H,
Toperverg, B, Ott, F, Brückel, T**

Depth-resolved investigation of structural and
magnetic correlations in multilayers: From
micrometer down to nanometer length scales
Heraeus Seminar: Nanoscale Magnets - Top down
meets bottom up (Bad Honnef) Poster (2006)

**Kentzinger, E, Rücker, U, Frielinghaus, H,
Toperverg, B, Ott, F, Brückel, Th**

Depth-resolved investigation of structural and
magnetic correlations in multilayers: from
micrometer down to nanometer length scales
JCNS Symposium and European User Meeting
(Jülich) Poster (2006)

2005**Frielinghaus, H, Brückel, T, Richter, D**

Upgrades of Neutron Scattering Instruments in
Conjunction with the Relocation from Jülich to
Munich
ICNS2005 (Sydney) Poster (2005)

Kentzinger, E

KWS-3
Benchmarking zur Kleinwinkelstreuung (in der HGF)
(Akademie der Wissenschaften, Berlin) Talk (2005)

Kentzinger,E

Depth-resolved investigations of the magnetisation reversal process in micro- and nano-structured multilayers
2nd FRM-II Workshop on Neutron Scattering - Advanced Materials (Burg Rothenfleds am Main, Germany) Talk (2005)

Kentzinger,E

Depth resolved investigation of in-plane magnetic correlations in multilayers by scattering of polarised neutrons under grazing incidence
Institute Seminar (Walther-Meissner Institute, Garching, Germany) Talk (2005)

Kentzinger,E

Depth-resolved investigations of micro- and nano-structured magnetic multilayers by scattering of polarized neutrons under grazing incidence
Institute Seminar (PSI, Villigen, Switzerland) Talk (2005)

Kentzinger,E, Rücker,U, Toperverg,B, Ott,F, Brückel,Th

Depth-resolved investigation of the lateral magnetic correlations in polycrystalline multilayers by reflectivity and off-specular scattering of polarised neutrons
Frühjahrstagung der Deutschen Physikalischen Gesellschaft (Berlin) Talk (2005)

Monkenbusch,M, Allgaier,J, Richter,D, Fetters,LJ, Mueller,K, Kreiling,S, Denicke K, Greiner A

Non-flexible polymer coils in solution-NSE investigation of alkyl substituted polynorbornenes in THF
NSE2005, ILL-workshop (Grenoble) Poster (2005)

2004**Conrad,H, Brückel,Th, Bussmann,K, Chang,LJ, Ioffe,A, Küssel,E, Mueller, R; Schmitz, B**

A New Thermal Neutron Spectrometer / Diffractometer (SV-30) with Polarisation Analysis at the Research Reactor FRJ-2
Deutsche Neutronenstreutagung (TU Dresden) Poster (2004)

Conrad,H, Schäfer,W

A high intensity time-of-flight diffractometer for structure, texture and phase analyses of polycrystalline matter
Deutsche Neutronenstreutagung (Dresden) Talk (2004)

Mattauch,S

Neutronen Einkristall-Diffraktometer (SV28) am FRJ-2
Gemeinsame Jahrestagung DGK+DGKK (Jena) Talk (2004)

Stellbrink,J, Kentzinger,E, Dohmen,L, Alefeld,B, Rücker,U, Ioffe,A, Radulescu,A, Richter,D, Brückel,T

KWS-3, the New Focusing-Mirror USANS Instrument and Reflectometer at Jülich
canSAS-IV (Rutherford Appleton Laboratory, Oxfordshire, UK) Poster (2004)

Walter,JM, Jansen,E, Skowronek,R, Kirfel,A, Froitzheim,N, Siemes,H, Köbler,U

Texture analysis and powder diffraction by neutrons: Different applications at SV7 in Jülich
Deutsche Neutronenstreutagung (Dresden) Poster (2004)

2003**Chang, L.-J., Mueller, R., Appelt, S., Häsing, F. W., Ioffe, A., Brückel, Th.**

Progress of ³He spin-exchange for neutron polarization in Jülich
3rd European Conference on Neutron Scattering Montpellier, France: 03.09.2003 - 06.09.2003 Poster

Ioffe, A., Monkenbusch,M, Ohl,M

Jülich progress in developments of Image Plate Detectors and correction elements for ultra-high resolution neutron spin-echo spectrometer
Annual TECHNI Meeting Trieste, Italien: 08.10.2003 - 10.10.2003

Ioffe, A., Bussmann, K., Dohmen, L., Axelrod, L., Gordeev, G., Brückel, Th.

LAP-ND: a new neutron depolarization setup at FRJ-2
3rd European Conference on Neutron Scattering Montpellier, France: 03.09.2003 - 06.09.2003 Poster

Ioffe, A.

Neutron Speed Echo add-on to TAS: an increase in energy resolution
ICM – International Conference on Magnetism
Rom, Italy, 27.07.-01.08.03

Ioffe, A.

Development of an Image Plate Detector in FZJ
Annual TECHNI Meeting, Coimbra, Portugal,
05.-06.05.03

Kentzinger, E., Dohmen, L., Alefeld, B., Rücker, U., Stellbrink, J., Ioffe, A., Richter, D., Brückel, Th..

KWS-3, The new focusing-mirror small-angle neutron scattering instrument and neutron reflectometer at Jülich

3rd European Conference on Neutron Scattering
Montpellier, France: 03.09.2003 - 06.09.2003 Poster

Kentzinger, E., Dohmen, L., Alefeld, B., Rücker, U., Stellbrink, J., Richter, D., Brückel, Th..

KWS-3 : the new focusing mirror USANS instrument at Jülich
ICANS-XVI : 16th Meeting of the International Collaboration on Advanced Neutron Sources ,
Convention Center, Neuss
Neuss: 12.05.2003 - 15.05.2003 Poster

Massalovitch, S., Ioffe, A., Schlapp, M., von Seggern, H., Küssel, E., Brückel, Th.

Development of low g-sensitive neutron image plate detector at FZ Jülich (P)
3rd European Conference on Neutron Scattering
Montpellier, France: 03.09.2003 - 06.09.2003 Poster

Ohl, M., Monkenbusch, M.

NSE correction devices
TECHNI Meeting
Coimbra, Portugal: 06.05.2003

Schäfer, W., Jansen, E., Kirfel, A.

Das Jülicher Texturdiffraktometer
Präsentation des Fachausschusses 'Texturen' im Rahmen des DGM-Tages 'Business meets Students',
10.7.2003, Erlangen
Talk (Erlangen, 2003)

Schäfer, W., Kirfel, A., Phiesel, H., Skowronek, R.

Construction and tests of a low-cost furnace for neutron powder diffraction
European Neutron Scattering Conference
2003, Montpellier, F Poster

Schlapp, M., Hoelzel, M., Gilles, R., Ioffe, A., Brueckel, T., von Seggern, H., Fuess, H.

Neutron image plates with low g-sensitivity for SANS
ECNS (Montpellier, France) Poster (2003)

2002**Alefeld, B., Conrad, H., Dohmen, L., Ioffe, A., Kentzinger, E., Küssel, E., Prager, M., Rücker, U., Brückel, Th.**

Instrument Modernisation Program at the FRJ-2 Reactor
ESS European Conference (Bonn) Poster (2002)

Dohmen, L., Alefeld, B., Kentzinger, E., Rücker, U., Stellbrink, J., Ioffe, A., Springer, T., Richter, D., Brückel, Th., Drochner, M., Engels, R., Kleines, H., Suxdorf, F., Zwill, K.

A High Resolution Small Angle Scattering Instrument and Reflectometer with Focusing Mirror (KWS3) at Jülich
Deutsche Neutronenstreutagung & ESS Meeting (Bonn) Poster (2002)

Massalovitch, S., Ioffe, A., Küssel, E., Brückel, Th., Schlapp, M., von Seggern, H.

The optimization of neutron image plate detector with low gamma-sensitivity
ESS-Konferenz (Bonn) Poster (2002)

Mueller, R., Chang, L.J., Appelt, St., Haesing, W., Horriar-Esser, Ch., Ioffe, A., Brückel, Th.

Progress in the production of polarised ³He in Jülich
Workshop on Polarised Neutrons in Condensed Matter Investigations (FZJ, Jülich) Poster (2002)

Schäfer, W., Jansen, E., Skowronek, R., Kirfel, A.

Recent examples of scientific projects using the University of Bonn powder diffractometer SV7-a in Jülich
Deutsche Neutronenstreutagung 2002 and The European Spallation Source (Bonn) Poster (2002)

Schweika, W.

Diffuse Neutron Scattering -- time-of-flight and polarization analysis
ESS-Tage, 15.4.2002, Bad Honnef

2001

Ioffe, A., Conrad, H., Zeiske, Th., Mueller, R., Küssel, E., Masalovich, S., Schlapp, M., Schmitz, B., Brückel, Th.

A New Thermal Neutron Spectrometer/Diffractometer for Polarization Analysis (SV30) at the research reactor FRJ-2
ICNS 2001 (München) Poster (2001)

Ioffe, A., Conrad, H., Zeiske, Th., Mueller, R., Küssel, E., Masalovich, S., Schlapp, M., Schmitz, B., Brückel, Th.

Spektrometer SV30 für Polarisationsanalyse mit thermischen Neutronen am Forschungsreaktor FRJ-2
Deutsche Neutronenstreutagung (Jülich) Poster (2001)

Kirfel, A., Schäfer, W.

Forschung mit Neutronen in den Außenstellen des Mineralogisch-Petrologischen Instituts der Universität Bonn in Jülich und England
BMBF-Veranstaltung Förderschwerpunkt Kondensierte Materie (Bonn) Talk (2001)

Mueller, R., Brückel, Th., Horriar-Esser, Ch

Entwicklung einer Anlage zur Herstellung von kernspin-polarisiertem ^3He am Forschungszentrum Jülich
Deutsche Neutronenstreutagung (FZJ, Jülich) Poster (2001)

Rücker, U., Bergs, W., Alefeld, B., Kentzinger, E., Brückel, Th.

The new neutron reflectometer with polarization analysis in Jülich
Deutsche Neutronenstreutagung (Jülich) Poster (2001)

Rücker, U., Bergs, W., Kentzinger, E., Brückel, Th.

Polarization Analysis for a neutron reflectometer with 2D position sensitive detector
European Neutron Polarization Initiative (Jülich) Talk (2001)

Rücker, U., Kentzinger, E., Bergs, W., Alefeld, B., Brückel, Th.

The new reflectometer with polarization analysis in Jülich
ICNS 2001 (Munich) Poster (2001)

Schlapp, M., vonSeggern, H., Massalovitch, S., Ioffe, A., Conrad, H., Brückel, Th.

Materials for neutron image plates with low gamma sensitivity
ICNS-Konferenz (München) Poster (2001)

Crystallography

Publications

2006

Bertold,C, Selke,R, Schäfer,W
Neutron and X-Ray diffraction study of a semi-randomly disordered chamosite-IIb
Clays and Clay Minerals (submitted June 2005)
(2006)

Gatta,GD, Nastola,F, Bromiley,GD, Mattauch,S
The real topological configuration of the extra-framework content in alkali-poor beryl: a multi-methodological study
American Mineralogist **91**, 29-34 (2006)

Gatta,GD, Nestola,F, Bromiley,GD, Loose,A
New insight into crystal chemistry of topaz: a multi-methodological study
American Mineralogist (in press), (2006)

Sreeraj,P, Wiemhöfer,H-D, Hoffmann,R-D, Skowronek,R, Kirfel,A, Pöttgen,R
Neutron Diffraction and Electrochemical Studies on LiIrSn_4
J. Solid State Chem. **179**, 355-361 (2006)

Sreeraj,P, Wiemhöfer,H-D, Hoffmann,R-D, Walter,J, Kirfel,A, Pöttgen,R
Neutron Diffraction and Electrochemical Studies on LiAg_2Sn
Solid State Sciences (in press, corrected proof, available online 26 May 2006) (2006)

2005

Iezzi,G, Gatta,GD, Kockelmann,W, Della Ventura,G, Rinaldi,R, Schäfer,W, Piccinini,M, Gaillard, F
LowT neutron powder diffraction and synchrotron-radiation IR study of synthetic amphibole $\text{Na}(\text{NaMg})\text{Mg}_5\text{Si}_8\text{O}_{22}(\text{OH})_2$
American Mineralogist **90**, 695-700 (2005)

2004

Kirfel,A, Zotov,N, Schäfer,W
Neutron diffraction study of KNO_3 at elevated temperatures
Physica B **350**, e387-e389 (2004)

2003

Caspary,D, Eckold,G, Elter,P, Gibhardt,H, Güthoff,F, Demmel,F, Hoser,A, Schmidt,W, Schweika, W.
The influence of demixing on the dynamics of ionic solids: inelastic neutron scattering from $\text{Ag}_x\text{Na}_{1-x}\text{Cl}$ single crystals
Journal of physics: condensed matter, **15** (2003),S. 6415 – 6426

Le Toquin, R., Paulus, W., Cousson, A., Hernandez, O., Dhalenne, G., Revvcolevischi, A., Treutmann, W., Rheinstädter, M., Schmidt, W., Regnault, L.-P.
Structure, magnetism, and dynamics of $\text{La}_2\text{CoO}_{4+\delta}$
Proc. ECNS03, accepted for publication in Physica B

Neumann,M, Press,W, Nöldeke,C, Asmussen,B, Prager, M., Ibberson,RM
The crystal structure of methane phase III
Journal of chemical physics **119** (2003),S. 1586 – 1589

2002

Halevy,I, Salhov,S, Kimmel,G, Atzmony,U, Pereira,LCJ, Goncalves,AP, Schäfer, W.
High-pressure studies of a ThMn_{12} -type actinide compound: UFe_5Al_7
Journal of Physics: Condensed Matter **14**, 11189 (2002)

Prager, M., Press,W, Asmussen,B, Combet,J.
Phase III of methane: crystal structure and rotational tunneling
Applied physics A, **74** (2002),S. 1360 – 1362

Schäfer, W., Kirfel,A
Neutron powder diffraction study on the thermal expansion of cuprite
Applied Physics A **74**, 1010 (2002)

Sosnowska,I, Schäfer, W., Kockelmann,W, Barbier,B, Andersen,KA, Troyanchuk,IO
Crystal structure and spiral magnetic ordering of BiFeO₃ doped with manganese
Applied Physics A **74**, 1040 (2002)

2001

Kockelmann,W, Schäfer, W., Kirfel,A, Klapper,H, Euler,H
Hydrogen positions in KCo-, CsCo-, CsNi-, and CsCu-Tutton's Salt type compounds determined by neutron powder diffraction
Materials Science Forum **378-381**, 274 (2001)

Schäfer, W., Halevy,I
Neutron powder diffraction on iron-rich rare earth-iron-aluminium intermetallics RFe₇Al₅ (R = Tb, Dy, Ho, Er)
Material Science Forum **378-381**, 414 (2001)

Sosnowska,I, Schäfer, W., Kockelmann,W, Troyanchuk,IO
Neutron diffraction studies of crystal and magnetic structure of BiMn_xFe_{1-x}O₃ solid solutions
Materials Science Forum **378-381**, 616 (2001)

Straessle, T., Furrer, A., Altorfer, F., Mattenberger, K., Boehm, M., Mutka, H.
HoAs: A model compound for the cooling by the barocaloric effect
J. Alloys and Compounds **323-324** (2001) 392-395

Invited Talks

2004

Bujak,M, Mattauch,S, Zaleski,J
Ferroelectric structure of [(CD₃)₂ND₂]₃[Sb₂Cl₉] at 10 K
N2M2 Neutrons and Numerical Methods 2 (Grenoble, France) (2004)

2003

Brückel, Th.
Wechselspiel zwischen Spin-, Ladungs- und Orbitalordnung in CMR-Manganaten
Seminar über Kristall- und Strukturchemie: RWTH Aachen, 11.07.03

Schweika, W.
Diffuse Streuung
Neutronenstreuung für Kristallographen, Univ. Köln, 08.10.2003

Conference Presentations

2005

Gatta,GD, Nestola,F, Petrelli,M
New insight into the crystal chemistry of alkali-poor beryl: The real topological configuration of the extra-framework content
National Congress of the Federazione Italiana di Scienze della Terra (Spoleto, September 2005) Poster (2005)

Oh,IH, Mattauch,S, Heger,G
Structural phase transitions with proton ordering in TiH₂PO₄
69.Jahrestagung der Deutschen Physikalischen Gesellschaft DPG (Berlin) Poster (2005)

Oh,IH, Mattauch,S, Heger,G
Structural phase transitions with proton ordering in TiH₂PO₄
13. Gemeinsame Jahrestagung der Deutschen Gesellschaft für Kristallographie (Köln) Poster (2005)

2004

Hu,C, Englert,U, Mattauch,S, Heger,G
Topological Study of Coordination Polymers Based on Halogen Bridged Octahedra
Gemeinsame Jahrestagung DGK+DGKK 2004 (Jena) Poster (2004)

Hu,C, Englert,U, Mattauch,S, Heger,G
Hydrogen Bonds between Guanidinium and (Hydrogen)orthophosphate by X-ray and Neutron Methods
Gemeinsame Jahrestagung DGK+DGKK 2004 (Jena) Poster (2004)

Mattauch,S
Single Crystal Diffraction Analysis on [ND₂(CD₃)₂]₃Sb₂Cl₉ (D-DMACA) in its Low Temperature Phase
11th International Seminar on Neutron Scattering Investigation in Condensed Matter (Poznan, Polen) Talk (2004)

Mattauch,S, Bujak,M, Zaleski,J

Single crystal diffraction analysis on
[ND₂(CD₃)₂]₃[Sb₂Cl₉] (D-DMACA) in its low
temperature phase.
Deutsche Neutronenstreutagung 2004 (Dresden)
Poster (2004)

2003

**Holderna-Natkaniec,K, Ibberson,R M,
Natkaniec,I, Prager, M.**

Neutron-diffraction study of solid phases of 1,3,5-
trimethylbenzene-d₁₂
European Neutron Scattering Conference
2003, Montpellier, F Poster

Kirfel,A, Zotov,N, Schäfer, W.

Elevated temperature neutron diffraction study of the
phase transitions in KNO₃
European Neutron Scattering Conference
2003, Montpellier, F Poster

Schäfer, W., Buschow, K. H. J.

Neutron diffraction on binary and pseudobinary
RMg₃ intermetallics (R = La, Ce, Pr, Nd)
11. Jahrestagung der Deutschen Gesellschaft für
Kristallographie, 10.-13.3.2003, Berlin, Poster
(Berlin, 2003)

2002

Schäfer, W., Kirfel,A

Neutronenbeugung zum thermischen Verhalten von
Cuprit
10. Jahrestagung der Deutschen Gesellschaft für
Kristallographie (Kiel) Poster (2002)

Schäfer, W., Kirfel,A

On the unusual negative thermal expansion of cuprite
Deutsche Neutronenstreutagung 2002 and The
European Spallation Source (Bonn) Poster (2002)

2001

**Bieniok,A, Bertoldi,C, Schäfer, W., Heger,G,
Amthauer,G**

Strukturelle Untersuchungen an einem natürlichen
Chamosit
79. Jahrestagung der Deutschen Mineralogischen
Gesellschaft (Potsdam) Poster (2001)

Sauerwald,F, Wacker,K, Buck,P, Schäfer, W.

Neutronenbeugungsuntersuchungen (Rietveld) an
Spinellmischkristallen MnFe₂O_{4+δ}
9. Jahrestagung der Deutschen Gesellschaft für
Kristallographie (Bayreuth) Talk (2001)

Schäfer, W., Kirfel,A

Neutron powder diffraction study on the thermal
expansion of cuprite
ICNS 2001 (Munich) Poster (2001)

**Schweika, W., Shramchenko,N, Caudron,R,
Bellissent,R, Widom,M**

Phason disorder in icosahedral AlPdMn quasicrystals
Deutsche Neutronenstreutagung (Jülich) Poster
(2001)

**Schweika, W., Shramchenko,N, Caudron,R,
Bellissent,R, Widom,M**

Phason disorder in icosahedral AlPdMn quasicrystals
International Conference on Neutron Scattering
(München) Poster (2001)

Excitations

Publications

2006

Köbler,U, Hoser,A, Hoffmann,J-U, Thomas,C
One-dimensional bulk ferromagnets: NdAl₂ and hcp cobalt
Solid State Communications **6**, 301-305 (2006)

Köbler,U, Hoser,A
Effective spin description of crystal field effects in NdAl₂
Journal of Magnetism and Magnetic Materials **299**, 145-154 (2006)

Köbler,U, Hoser,A, Hoffmann,J-U
Crystal field effects in the 3d transition metal compounds
Physica B: Condensed Matter **382**, 98-104 (2006)

Vecchini,C, Moze,O, Hoser,A, Prager,M, Argyriou,D, Michels,A, J Weissmuller, C Lemier, R N Viswanath
A neutron scattering investigation of the magnetic structure and magnetic excitations in nanocrystalline Tb
Journal of Applied Physics **99**, 08F502 (2006)

2005

Elter,P, Eckold,G, Gibhardt,H, Schmidt,W, Hoser,A
Kinetics of decomposition in ionic solids: IV. Transition between nucleation and spinodal decomposition observed by time-resolved phonon spectroscopy
Journal of Physics-Condensed Matter **17** **41**, 6559-6573 (2005)

Hermann,RP, Grandjean,F, Long,GJ
Einstein oscillators that impede thermal transport
Am. J. Phys. **73**, 110-118 (2005)

Hermann,RP, Grandjean,F, Keppens,V, Schweika,W, Nolas,GS, Mandrus,DG, Sales BC, Christen HM, Bonville P, Long GJ
The Dynamics of the Guests in Filled Germanium Clathrates
Materials and Technologies for Direct Thermal-to-Electric Energy Conversion, Eds. J. Yang, T. P. Hogan, R. Runahashi, G. S. Nolas (Mater. Res. Soc. Symp. Proc. 886, Warrendale, PA, 2005) **886**, F10 (2005)

Hermann,RP, Schweika,W, Leupold,O, Rüffer,R, Nolas,GS, Grandjean,F, Long GJ
Neutron and Nuclear Inelastic Scattering Study of Einstein Oscillators in Ba-, Sr-, and Eu-filled germanium clathrates
Phys. Rev. B **72**, 174301 (2005)

Köbler,U, Hoser,A
Stable magnetic universality classes for $T \rightarrow 0$
Physica B **362**, 295-305 (2005)

Köbler,U, Hoser,A, Schäfer,W
On the temperature dependence of the magnetic excitations
Physica B **364**, 55-70 (2005)

Prager,M, Baumert,J, Press,W, Plazanet,M, Tse,JS, Klug,DD
Rotational tunneling of disordered methyl groups of CH₃F encaged in cubic I water clathrate
Phys. Chem. Chem. Phys. **7**, 1228 (2005)

Prager,M, Grimm,H, Natkaniec,I
Rotational potentials of methyl groups and structures of low temperature phases of mesitylene: a neutron scattering study
Phys. Chem. Chem. Phys. **7**, 2587 (2005)

Prager,M, Pawlukojc,A, Sobczyk,L, Grech,E, Grimm,H
Inelastic neutron scattering study of tetramethylpyrazine in the complex with chloranilic acid
J. Phys. Condens. Matter **17**, 5725 (2005)

Sawka-Dobrowolska,W, Bator,G, Sobczyk,L, Pawlukojc,A, Ptasiwicz-Bak,H, Rundlöf,H, Krawczyk, Nowina-Konopka, Jagielski, Janik, Prager, Steinsvoll, Grech, Nowicka-Scheibe
Elastic, quasielastic and inelastic neutron scattering studies on the charge-transfer hexamethylbenzene-tetracyanoquinodimethane complex
J. Chem. Phys. **123**, 124305 (2005)

2004

Conrad,H, Kuhs,Wf, Nuenighoff,K, Pohl,C, Prager,M, Schweika,W
Inelastic scattering and spectral measurements of advanced cold neutron moderator media
Physica B **340**, e647 (2004)

Eckold,G, Caspary,D, Elter,P, Güthoff,F, Hoser,A, Schmidt,W
Time-resolved phonons as a microscopic probe for demixing processes
Physica B **350**, 83 (2004)

Eckold,G, Caspary,D, Gibhardt,H, Schmidt,W, Hoser,A
Kinetics of Decomposition in Ionic Solids III: Time-evolution of phonon spectra during spinodal decomposition in AgCl-NaCl
J. Phys.: Condens.Matter **16**, 5945 (2004)

Hauer,B, Hempelmann,R, Udovic,TJ, Rush,JJ, Kockelmann,W, Schäfer,W, Jansen,E, Richter,D
Neutron scattering studies on vibrational excitations and the structure of ordered niobium hydrides
J. Phys. Cond. Mat. **16**, 5205 (2004)

Hense,K, Gratz,E, Nowotny,H, Hoser,A
Lattice dynamics and the interaction with the crystal electric field in NdCu₂
J. Phys. Cond. Mat. **16**, 5751 (2004)

Hense,K, Gratz,E, Nowotny,H, Loewenhaupt,M, Hoser,A
Crystal electric field-phonon interaction in NdCu₂
J. Magn. Magn. Mater. **272-276**, 368 (2004)

Kirstein,O, Prager,M
The lattice dynamics of the methyl halides described by pair potentials based on universal force fields
Journal of Chemical Physics **120**, 5199 (2004)

Prager,M, Pieper,J, Buchsteiner,A, Desmedt,A
Probing adsorption sites in a cubic II water clathrate cage by methyl group rotation of CH₃I guest molecules
J. Phys.: Condens. Matter **16**, 7045 (2004)

Prager,M, Pieper,J, Buchsteiner,A, Desmedt,A
Methyl rotational potentials as a probe of the cage potential surface in methyl iodide clathrate
Physica B **350**, e399 (2004)

2003

Caspary,D, Eckold,G, Elter,P
The influence of demixing on the dynamics of ionic solids: inelastic neutron scattering from Ag_xNa_{1-x}Cl single crystals
J. Phys. Cond. Mat **15**, 6415 (2003)

Conrad, H., Kuhs, W. F., Nünighoff, K., Pohl, C., Prager, M.
Inelastic neutron scattering and spectral measurements of advanced cold moderator materials
Proceedings of the 16th Meeting of the International Collaboration on Advanced Neutron Sources (2003), 921 - 929

Prager, M., Grimm,H, Desmedt,A, Lechner,RE
Methyl rotational potentials of trimethyl metal compounds studied by inelastic and quasielastic neutron scattering
Chemical physics **292** (2003),S. 161 - 169

2002

Elter,P, Eckold,G, Caspary,D, Güthoff,F, Hoser,A
Time-evolution of phonon spectra during decomposition in Ag_xNa_{1-x}Br ionic crystals
Appl. Phys. A **74 [Suppl 1]**, 1169-1171 (2002)

Hoelzel,M, Danilkin,SA, Hoser,A, Ehrenberg,H, Wieder,T, Fuess,H
Phonon dispersion in austenitic stainless steel Fe₁₈Cr₁₂Ni₂Mo
Appl. Phys. A **74 [Suppl 1]**, 1013-1015 (2002)

Prager, M., Grimm,H, Parker,SF, Lechner,R, Desmedt,A, McGrady,S, Koglin,E
Methyl group rotation in trimethyl aluminum
J.Phys.: Cond. Matter **14**, 1833 (2002)

Prager, M., Schiebel,P, Combet,J
Rotational tunnelling and disorder in 4-iodo-toluene
Chem. Phys. **276**, 69 (2002)

Prager, M., Schiebel, P., Grimm, H
Dipolar interaction in $(\text{NH}_{3,6}\text{D}_{0,4})_2\text{PtCl}_6$
Appl. Phys. A **74** [Suppl.], 1363 (2002)

Prager, M., Schiebel, P., Grimm, H
Rotational Tunelling of NH_4 and NH_3D and dipolar interaction in $(\text{NH}_{3,6}\text{D}_{0,4})_2\text{PtCl}_6$
J. Chem. Phys. **116**, 10338 (2002)

Schweika, W., Maleyev, S. V., Brückel, Th., Plakhty, V. P., Regnault, L. P
Longitudinal spin fluctuations in the antiferromagnet MnF_2 studied by polarized neutron scattering
Europhys. Lett. **60**, 446 (2002)

2001

Danilkin, S. A., Fuess, H., Wieder, T., Hoser, A
Phonon dispersion and elastic constants in Fe-Cr-Mn-Ni austenitic steel
Journal of Materials Science **36** (4), 811-814 (2001)

Eckold, G
Kinetics of decomposition in ionic solids: neutron scattering study of the system AgBr-NaBr
Journal of Physics-Condensed Matter **13** (2), 217-240 (2001)

Kirstein, O., Prager, M., Combet, J., Johnson, M. R
Ammonia group rotation in $\text{Zn}(\text{NH}_3)_4\text{I}_2$
Molecular Physics Report **31**, 47 (2001)

Köbler, U., Hoser, A., Englich, J., Snezhko, A., Kawakami, M., Beyss, M., Fischer, K
On the failure of the Bloch-Kubo-Dyson spin wave theory
Phys. Soc. Jpn. **70** (10), 3089-3097 (2001)

Köbler, U., Hoser, A., Kawakami, M., Abens, S
Observation of a spin wave exponent of 5/2 in the uniaxial antiferromagnet MnF_2
Physica B **307** (1-4), 175-183 (2001)

Invited Talks

2006

Hermann, R. P
Localized vibrational modes in crystalline solids
JCNS Symposium and European User Meeting
(Forschungszentrum Jülich, Germany) (2006)

Schweika, W., Herrmann, R
Soft local phonon modes in thermoelectric materials
DPG Frühjahrstagung (Dresden) (2006)

2005

Köbler, U
Experimentelle Untersuchungen von Magnetischen Materialien im Lichte der Renormierungsgruppentheorie
Mineralogisches Seminar (RWTH-Aachen Institut für Kristallographie) (2005)

Moze, O., Vecchini, C., Hoser, A., Prager, M., Roessli, B., Weissmüller, J
A neutron scattering investigation of the magnetic structure and magnetic excitations in nanocrystalline Tb
50th Annual Conference on Magnetism and Magnetic Materials (San Jose USA) (2005)

Prager, M., Press, W
The influence of molecular excitation on the lattice dynamics in methane clathrate
XIIIth International Workshop on "Quantum atomic and molecular tunneling ..." (Santiago de Compostella, Spain, 31 July) (2005)

2003

Prager, M.
Methyl rotational dynamics as probe of the water shell in methyl iodide clathrate
Janik's friends meeting 18 July
2003, Zakopane, Poland

2002

Prager, M.
Rotational potentials studied by spectroscopy and relaxation
6th International Conference on Quasielastic Neutron Scattering (Potsdam) (2002)

2001

Prager, M.
Rotational tunnelling: from simple to complex systems
HMI (Berlin) (2001)

Prager, M., Schiebel, P., Combet, J
Rotational tunnelling and disorder of 4-iodo-toluene
Quantum Atomic and Molecular Tunnelling 2001
(Nottingham UK) (2001)

Conference Presentations

2006

Hargreaves, J., Mitchell, P.W., Balakrishnan, G., Hoser, A
Anharmonic Lattice Vibrations in Magnetite
Neutron and Muon Users Meeting (NMUM 2006)
(Warwick (U.K.)) Poster (2006)

Köbler, U., Hoser, A
Effective spin description of crystal field effects in Cr_2O_3 and MnO
JCNS Symposium and European User Meeting
(Jülich) Poster (2006)

Köbler, U., Hoser, A
The impact of renormalization group theory in magnetism
JCNS Symposium and European User Meeting
(Jülich) Poster (2006)

Köbler, U., Hoser, A., Hoffmann, J.-U
Relevant and non-relevant magnetic interactions
Frühjahrstagung der Deutschen Physikalischen Gesellschaft (Dresden) Poster (2006)

Köbler, U., Hoser, A., Schreiber, R., Thomas, C
Long range magnetic order in one and two dimensions
Structure meets magnetism (Bochum) Poster (2006)

2005

Danilkin, S., Hoser, A., Schweika, W., Bickulova, N
Diffuse scattering and low-energy phonons in Copper Selenide
International Conference on Neutron Scattering
ICNS2005 (Sydney) Poster (2005)

Köbler, U., Hoser, A
Effective spin description of crystal field effects in NdAl_2
Frühjahrstagung der Deutschen Physikalischen Gesellschaft (Berlin) (2005)

Köbler, U., Hoser, A
Effective spin description of crystal field effects in Cr_2O_3 and MnO
International Conference on Neutron Scattering
ICNS2005 (Sydney) Poster (2005)

Vecchini, C., Moze, O., Hoser, A., Roessli, B., Michels, K., Weissmüller, J
Magnetic excitations in nanocrystalline Terbium
International Conference on Neutron Scattering
ICNS2005 (Sydney) Poster (2005)

2004

Hermann, R.P., Grandjean, F., Bonville, P., Grimm, H., Schweika, W., Nolas, G.S., Long, G.J
A neutron scattering study of the guest dynamics in filled germanium clathrates, Session J39–Fucus
Session: Energy Harvesting: Materials & Phenomena, March Meeting of the APS (Montréal, 2004)

Hermann, R.P., Grandjean, F., Bonville, P., Grimm, H., Schweika, W., Nolas, G.S., Beekman, M., Long, G.J
Guest Tunnelling and Hopping in the Multiple Well Potential of Filled Clathrates
International Scientific Meeting of the Belgian Physical Society (Mons, Belgium) Talk (2004)

2003

Conrad, H., Kuhs, W., Nünighoff, K., Prager, M., Schweika, W.
Inelastic neutron scattering from CH_4 -clathrate, Th.F-clathrate and ice
ICANS-XVI : 16th Meeting of the International Collaboration on Advanced Neutron Sources , Convention Center, Neuss
Neuss: 12.05.2003 - 15.05.2003 (Poster)

Danilkin S., Hoser A., Schweika W., Fuess H
Diffuse scattering and phonons in $\text{Cu}_2\text{-xSe}$
European Conference on Neutron Scattering, Montpellier, 3.-6.9.2003 (2003) Poster

Eckold, G., Caspary, D., Elter, P., Güthoff, F., Hoser, A., Schmidt, W
Time-Resolved Phonons as a Microscopic Probe for Demixing Processes
European Conference on Neutron Scattering, Montpellier, 3.-6.9.2003 (2003) Poster

Hermann,RP, Schweika, W., Jin,R, Grandjean,F, Mandrus,D, Sales,BC, Long,GJ
Einstein Oscillator in Thallium Filled Antimony Skutterudites: Neutron Spectroscopy of Phonons in a Thermoelectric Material
DPG-Frühjahrstagung, Dresden, 24.-28.03.03

Hermann,RP, Long,GJ, Grandjean,F, Alp,EE, Sturhahn,W, Johnson,CE, Leupold O, Rüffer,R, Schweika,W
An Inelastic Nuclear Resonant and Inelastic Neutron Scattering Study of the Einstein Oscillators in Some Filled Antimony Skutterudites
International Conference on the Application of the Mössbauer Effect (Muscat, Sultanate of Oman) Talk (2003)

Meinzel, J., Grimm, H., Hernandez, O., Jansen, E.
Assignment of the three methyl tunneling lines in a trichloromesitylene (TCM) single crystal
3rd European Conf. on Neutron Scattering, ECNS-2003, 03.-06.9.2003, Montpellier, France, Poster (Montpellier, 2003)

Prager, M., Desmedt,A, Pieper,J, Buchsteiner,A
Methyl rotational dynamics as probe of the water shell in methyl iodide clathrate
European Neutron Scattering Conference ECNS (2003),Montpellier,France Poster

2002

Caspary,D, Elter,P, Eckold,G, Schmidt,W
Time-evolution of phonon spectra during decomposition in ionic crystals
ESS Conference (Bonn) Poster (2002)

Danilkin,S, Skomorohov,A, Hoser,A, Fuess,H, Bickulova,NN, Rajevac,V
Lattice dynamics of superionic conductor Cu₂₋₈Se
ESS Conference (Bonn) Poster (2002)

Danilkin,SA, Skomorokhov,AN, Rajevac,V, Fuess,H, Hoser,A, Bickulova,NN
Crystal structure and lattice dynamics of superionic conductor Cu_{2-x}Se
5th International Conference Solid State Chemistry 2002 (Bratislava, Slovakia) Poster (2002)

Hense, K., Gratz,E, Lindbaum,A, Nowotny,H, Hoser,A, Güthoff,F, Klenke, J
Lattice Dynamics in YCu₂
ESS Conference (Bonn) Poster (2002)

2001

Caspary,D, Elter,P, Eckold,G
Zeitaufgelöste Phononen während der Entmischung in den Ionenkristallsystemen AgBr-NaBr und AgCl-NaCl
Deutsche Neutronenstreutagung (Jülich) Poster (2001)

Elter,P, Eckold,G, Caspary,D, Güthoff,F, Hoser,A
Time-evolution of phonon spectra during decomposition in Ag_xNa_{1-x}Br ionic crystals
ICNS Conference (München) Poster (2001)
Hense, K., Gratz,E, Nowotny,H, Hoser,A, Güthoff,F
Lattice Dynamics in the orthorhombic compound YCu₂
Deutsche Neutronenstreutagung (Jülich) Poster (2001)

Hoelzel,M, Danilkin,SA, Hoser,A, Ehrenberg,H, Wieder,T, Fuess,H
Phonon dispersion in austenitic stainless steel Fe₁₈Cr₁₂Ni₂Mo
ICNS Conference (München) Poster (2001)

Hölzel,M, Danilkin,S, Hoser,A, Wieder,T, Fuess,H
Phonon dispersion in nitrogen doped austenitic steels
Deutsche Neutronenstreutagung (Jülich) Poster (2001)

Magnetism

Publications

2006

Paul,A, Kentzinger,E, Rücker,U, Brückel,T
Symmetry and asymmetry during magnetization reversal in exchange biased multilayers and bilayers
Phys. Rev. B **73**, 092410 (2006)

Paul,A, Kentzinger,E, Rücker,U, Brückel,T
The angular dependence on the magnetization reversal in exchange biased multilayers
J. Phys: Cond. Mat. **18**, L149 (2006)

Paul,A, Kentzinger,E, Rücker,U, Bürgler,D, Brückel,T
Field-dependent magnetic domain structure in antiferromagnetically coupled multilayers by polarized neutron scattering
Phys. Rev. B **73**, 094441 (2006)

Theis-Bröhl,K, Wolff,M, Westphalen,A, Zabel,H, McCord,J, Höink,V, Schmalhorst,J, Reiss,G, Weis,T, Engel,D, Ehresmann,A, Rücker,U, Toperverg,B
Exchange-bias instability in a bi-layer with an ion beam imprinted stripe pattern of ferromagnetic/antiferromagnetic interfaces
Phys. Rev. B **73**, 174408 (2006)

Zabel,H
Neutron reflectivity of spintronic materials
Materials today **9**, 42 (2006)

2005

Bedanta,S, Petravic,O, Kentzinger,E, Kleemann,W, Rücker,U, Paul,A, Brückel,T, Cardoso,S, Freitas,PP
Superferromagnetic domain state of a discontinuous metal insulator multilayer
Phys. Rev. B **72**, 024419 (2005)

Hecker,M, Schneider,CM, Mertins,HC, Rücker,U, Kentzinger,E
Magnetic order in Co/Cu multilayers studied by polarized soft X-rays and neutrons
J. Magn. Magn. Mater **286**, 416 (2005)

Kentzinger,E, Rücker,U, Paul,A, Brückel,T
Layer resolved magnetisation correlations in multilayers
Neutron News **16**, 26 (2005)

Kravtsov,E, Brucas,R, Hjörvarsson,B, Hoser,A, McIntire,G, Remhof,A, Nefedov,A Radu,F, Zabel,H
Proximity effect of vanadium on strain and spin-density waves in thin Cr films
Journal of Magnetism and Magnetic Materials **286**, 425 (2005)

Kravtsov,E, Nefedov,A, Remhof,A, Radu,F, Zabel,H, Brucas,R, Hjörvarsson,B, Hoser,A, McIntyre,GJ
Reorientation of spin-density waves in Cr films induced by proximity effect of vanadium
Journal of Physics: Condensed Matter **17**, 3143 (2005)

Köbler,U, Hoser,A, Bos,J, Schäfer,W, Pohlmann,L
Weak ferromagnets with integer and half-integer spin quantum numbers
Physica B **355**, 90-99 (2005)

Köbler,U, Hoser,A, Bos,J, Schäfer,W, Pohlmann,L
Weak ferromagnets with integer and half-integer spin quantum numbers
Physica B **355**, 90-99 (2005)

Köbler,U, Hoser,A, Schäfer,W
On the temperature dependence of the magnetic excitations
Physica B **364**, 55-70 (2005)

Paul,A, Kentzinger,E, Rucke,U, Bürgler,D, Grünberg,P
Measurement and simulation of polarized neutron reflectivity and off-specular scattering from evolving magnetic domain structure in Co/Cu multilayers
Physica B **356**, 31 (2005)

Paul,A, Kentzinger,E, Rücker,U, Bürgler,D, Grünberg,P
Polarized neutron scattering from polycrystalline, exchange-biased magnetic multilayers
Physica B **356**, 26 (2005)

Paul,A, Kentzinger,E, Rücker,U, Bürgler,DE, Grünberg,P

Nonuniform and sequential magnetization reversal via domain structure formation for multilayers system with grain size enhanced exchange bias
EPJ B **45**, 249 (2005)

2004

Bedanta,S, Chen,X, Sahoo,S, Kleemann,W, Kentzinger,E, Nordblad,P, Cardoso S, Freitas PP,

Collective magnetic states of ferromagnetic nanoparticles in the superspin limit.
Phys. Stat. Sol. (c) **1**, 3288 (2004)

Endo,H, Schwahn,D, Colfen,H

An analysis of calcium carbonate / polymer hybrid crystals applying contrast variation
Physica B **350**, E943-E945 (2004)

Kravtsov,E, Nefedov,A, Radu,F, Remhof,A, Zabel,H, Brucas,R, Hjorvarsson,B, Hoser,A, Wilkins,SB

Proximity effect of vanadium on spin-density-wave magnetism in Cr films
Phys. Rev. B **70**, 4425 (2004)

Köbler,U, Hoser,A

Universal temperature dependence of the magnetic excitations
J. Magn. Magn. Mater **272-276**, 342 (2004)

Papathanassiou,GF, Yakinthos,JK, Schäfer,W

The antiferromagnetic structure of ErPtGe₂
J. Magn. Magn. Mat. **269**, 1 (2004)

Paul,A, Kentzinger,E, Rücker,U, Bürgler,DE, Grünberg,P

Sequence, symmetry and magnetic fluctuations of the magnetization reversal in exchange biased multilayers
Phys. Rev. B **70**, 224410 (2004)

Schäfer,W, Buschow,KHJ

Neutron Diffraction Study on Intermetallic Er₅Mg₂₄ and Tm₅Mg₂₄
Mat. Sci. Forum **443-444**, 263 (2004)

Siouris,IM, Semitelou,IP, Yakinthos,JK, Schäfer,W

Presence of a spin glass state in antiferromagnetic Tb₂CuIn₃
Mat. Sci. Forum **443-444**, 391 (2004)

Tolinski,T, Schäfer,W, Kowalczyk,A, Andrzejewski,B, Hoser,A, Szlaferek,A

Magnetic properties of TbNi₄Al and DyNi₄Al compounds: investigation via neutron diffraction and magnetometry
Journal of Alloys and Compounds **385**, 28 (2004)

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Determination of the magnetic fluctuations in an Fe/Cr/Fe trilayer exhibiting a neutron resonance state
Physica B **335** 89 (2003)

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Köbler, U., Hoser, A., Hupfeld, D.

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Evidence for the coexistence of low-dimensional magnetism and long-range order in $\text{Ca}_3\text{CoRhO}_6$
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Tolinski,T, Schäfer, W., Kockelmann,W, Kowalczyk,A, Hoser,A
Neutron diffraction,magnetic,and transport studies of NdNi_4Al
Phys. Rev. B **68** (2003) 144403

Ziegenhagen, N., Rücker, U., Kentzinger, E., Lehmann,R, vanderHart,A, Toperverg, B., Brückel, Th
Magnetic Properties of Laterally Structured Fe/Cr Multilayers
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Rücker, U., Kentzinger, E., Toperverg, B., Ott,F, Brückel, Th.
Layer-by-Layer magnetometry on polarizing supermirrors
Applied Physics A **74**, 607 (2002)

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Polarized neutron scattering
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Schweika, W, Maleyev,S V, Brückel, Th., Plakhty,V P, Regnault,L P
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2001

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Chiral criticality in helimagnet Ho studied by polarized neutron scattering
Phys. Rev. B **64** (2001) 100402(R),Rapid Comm.

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Competing ferro- and antiferromagnetism in R_2CuIn_3 ($\text{R}=\text{Tb, Ho, Er}$) intermetallics studied by neutron diffraction and magnetization measurements
J. Magn. Magn. Mater **226**, 1128 (2001)

Invited Talks

2006

Brückel,T

Magnetism in Nanostructures: The Basics of Spintronics
International Symposium on Neutron Scattering: Electron Correlations, Magnetism (Karlsruhe) (2006)

Brückel,T

Magnetismus in Nanostrukturen: Grundlagen der Spintronic
Fakultäts-Kolloquium (Tübingen) (2006)

Brückel,T

Probing lateral magnetic correlations in nanostructures
ADAM-Workshop (Bochum) (2006)

Theis-Bröhl,K

Lateral Nanostructures
ADAM-Workshop (Bochum) (2006)

2005

Brückel,T

Methods and Techniques: Experimental Techniques for the Study of Magnetism
School on Pulsed Neutrons (Trieste) (2005)

Brückel,T

Magnetic Nanostructures and Correlated Electron Systems studied with Neutron and X-Ray Vision
Chinese Academy of Science (Peking) (2005)

Brückel,T

Layer Resolved Magnetic Correlations in Nanostructures
ICNS (Sydney) (2005)

Brückel,T

A Deeper Look into Magnetic Nanostructures and Correlated Electron Systems using Neutron and X-Ray Vision
CIAE-Seminar (Peking) (2005)

Zabel,H

Magnetic thin films and superlattices
15th Hercules course (Grenoble) (2005)

Zabel,H, Radu,F, Theis-Bröhl,K, Wolff,M

Magnetic Nanostructures
DPG-Frühjahrstagung, Symposium Perspectives of research with neutrons (Berlin) (2005)

2004

Brückel,Th

A Look into Magnetic Nanostructures using Neutron and X-Ray Vision
Kolloquium (Universität Heidelberg) (2004)

Paul,A

Neutron and X-ray scattering from exchange biased multilayers
Department of Materials Science and Engineering, KTH (Stockholm) (2004)

Paul,A

Nano-layered magnetic structures
Department of Astronomy and Astrophysics, Tata Institute of Fundamental Research (Mumbai, India) (2004)

Paul,A

Neutron scattering from exchange bias multilayers
Department of Physics and Astronomy, Katholik University (Leuven, Belgium) (2004)

Paul,A, Kentzinger,E, Ruecker,U

Polarized neutron reflectivity and off-specular scattering showing sequential and symmetric magnetization reversal from exchange-biased multilayers
Deutsche Neutronenstreutagung (Dresden) (2004)

Theis-Bröhl,K, Westphalen,A, Wolff,M, Zabel,H, Rücker,U, Schmalhorst,J, Rott,K, Brückl,H, Toperverg,B

Laterale Strukturen mit antiparalleler Ausrichtung
Deutsche Neutronenstreutagung (Dresden) (2004)

2003

Brückel, Th.

Neutrons and X-rays: a closer look into magnetic nanostructures
International Workshop on Low Dimensional Magnetism as seen by Photons and Neutrons
Technologiezentrum Ruhr, Bochum, 22.-23.05.03

Kentzinger, E.

Depth-resolved investigations of lateral correlations in magnetic layers by Polarized Neutron Scattering at Grazing Incidence
Universität Duisburg-Essen, 15.7.2003

Köbler U., Hoser A.

A new concept in magnetism
International Conference on Magnetism, 27.7.-1.8., Rome (2003)

Schweika, W.

Phasonenunordnung in Al-Pd-Mn Quasikristallen
Institut für Kristallographie, RWTH Aachen
11.2.2003

2002**Brückel, Th.**

The Colorful Palette of Magnetism: Resonant Magnetic X-Ray Scattering
Kolloquium (Max-Planck-Institut, Stuttgart) (2002)

Brückel, Th.

Von korrelierten Elektronen zu komplexen Legierungen: Festkörperforschung am IFF
HGF-Workshop Kondensierte Materie (FZJ, Jülich) (2002)

Brückel, Th.

FZJ @ MuCAT: Examples for Research Activities
APS User Science Seminar (Argonne, USA) (2002)

Lauter, HJ, Lauter-Pasyuk, V, Toperverg, B., Rücker, U., Romashev, L., Milyaev, M., Ustinov, V
Spin-flop transition in Fe / Cr multilayers
Polarized Neutrons in Condensed Matter investigations (Jülich) (2002)

Toperverg, B.

Diffuse neutron scattering on multilayers
XXXVI PNPI Winter School Condensed State Physics (Gatchina (RU)) (2002)

Toperverg, B.

Lateral magnetic patterns in thin films and layered superstructures: polarized neutron off-specular scattering
Seminar Ruhr-Universität Bochum (Bochum) (2002)

Toperverg, B.

Neutron scattering at grazing incidence
Workshop RNIKS-2002 (Gatchina(RU)) (2002)

Toperverg, B.

Neutron scattering at grazing incidence
IPNS / SNS Seminar (Argonne) (2002)

Toperverg, B.

Supermatrix formalism to model off-specular neutron scattering
The 7th International Conference on Surface X-Ray and Neutron Scattering (Lake Tahoe, CA) (2002)

Toperverg, B.

Theoretical interpretation and quantitative analysis of data on reflectometry and off-specular scattering
Workshop Neutron Reflection: Progress in the Study of Interfaces (Grenoble) (2002)

Toperverg, B.

Theoretical interpretation of off-specular polarized neutron scattering from nanocomposite films
International Workshop on Nanocomposites: Materials, Neutrons and Data Interpretation (Argonne) (2002)

Toperverg, B.

Polarized neutron reflection and off-specular scattering
GKSS-Seminar (Geesthacht) (2002)

Ziegenhagen, N., Rücker, U., Kentzinger, E., Toperverg, B., Brückel, Th., Lehmann, R., van der Hart, A

Magnetic Properties of Laterally structured Fe/Cr Multilayers
Polarized Neutrons for Condensed Matter Investigations (Jülich) (2002)

2001**Kentzinger, E.**

Reflectivity and off-specular scattering of neutrons from magnetic thin films
Deutschen Neutronenstreutagung 2001 (Jülich) (2001)

Schweika, W.

Temperature dependence of phason disorder in Al-Pd-Mn quasicrystals
04.-07.12.2001
Duisburg, Workshop on Quasicrystals

Toperverg, B.

Grazing Incidence Scattering with Polarized Neutrons: Examples and Applications
ANL Seminar (Argonne) (2001)

Toperverg, B.

Off-specular polarized neutron scattering from magnetic fluctuations in thin films and multilayers
ICNS 2001 (Munich) (2001)

Toperverg, B.

Polarized Neutron Off-specular Scattering from Magnetic Fluctuations in Films and Multilayers
NIST Seminar (Gaithersburg) (2001)

Conference Presentations**2006**

Bedanta,S, Chen,X, Kleemann,W, Petravic,O, Kentzinger,E, Eimüller,T, Cardoso,S, Freitas,PP
Interacting ferromagnetic nanoparticles in the superspin limit: from modified superparamagnetism to collective magnetic states
Nanoscale Magnets - Top down meets Bottom up (Bad Honnef) Poster (2006)

Bedanta,S, Petravic,O, Chen,X, Rhensius,J, Kleemann,W, Kentzinger,E, Rücker,U, Paul,A, Brückel,T, Eimüller,T, Cardoso,S, Freitas,PP
From modified superparamagnetism to collective magnetic states in granular metal insulator multilayers
Physics in Low Dimensions: Structure meets Magnetism (Bochum) Poster (2006)

Bedanta,S, Petravic,O, Chen,X, Rhensius,J, Kleemann,W, Kentzinger,E, Rücker,U, Paul,A, Brückel,T, Eimüller,T, Cardoso,S, Freitas,PP
From modified superparamagnetism to collective magnetic states in granular metal insulator multilayers
DPG Frühjahrstagung (Dresden) Poster (2006)

Feygenson,M, Pollmeier,K, Kentzinger,E, Sager,W, Brückel,T, Paul,A
Magnetic Co nanoparticles in solution
DPG Frühjahrstagung (Dresden) Poster (2006)

Li,HF, Su,Y, Perßon,J, Meuffels,P, Walter,J, Skowronek,R, Brückel,T
Investigation on structure and magnetic properties of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$
DPG Frühjahrstagung (Dresden) Poster (2006)

Paul,A, Brückel,T, Kentzinger,E, Rücker,U
Magnetization Reversal in Trained Exchange Biased Multilayers
Physics in Low Dimensions: Structure meets Magnetism (Bochum) Poster (2006)

Paul,A, Brückel,T, Kentzinger,E, Rücker,U
Angular dependence of magnetization reversal in exchange biased multilayers
DPG Frühjahrstagung (Dresden) Poster (2006)

Westphalen,A, Remhof,A, Theis-Bröhl,K, Zabel,H
Magnetic reversal of microstructured patterns
Nanoscale Magnets - Top down meets Bottom up (Bad Honnef) Poster (2006)

2005

Mouallem-Bahout,,M, Walter,JM, Skowronek,R, Moure,C, Peña,O
Cation distribution and magnetic properties of $(\text{Co,Mn,Ni})_3\text{O}_4$ spinel investigated by neutron powder diffraction
GDR - Nouveaux états électroniques des matériaux (Batz sur mer, France) Talk (2005)

Paul,A, Kentzinger,E, Rücker,U, Brückel,T
Magnetization reversal in exchange biased multilayers with field direction
DPG Frühjahrstagung (Berlin) Poster (2005)

Rücker,U, Toperverg,B, Ott,F, Brückel,T
Zeeman splitting revisited: polarized neutron reflectometry under high magnetic fields
2nd FRM-II Workshop on Neutron Scattering - Advanced Materials (Burg Rothenfels am Main) Talk (2005)

TheilKuhn,L, Lefmann,K, Bahl,CRH, Morup,S, Wischnewski,A
Ordered magnetic structures without Bragg reflections - isotropic spin relaxation in magnetic nanoparticles
ICNS 2005 (Sydney, Australia) Poster (2005)

Theis-Bröhl,K, Toperverg,BP, McCord,J, Rücker,U, Schmalhorst,J, Höink,V, Brückel,H, Weiss,T, Engel,D, Ehresmann,A, Zabel,H
Domain propagation in ion bombarded magnetic wires with opposite exchange bias
DPG Frühjahrstagung (Berlin) Talk (2005)

Kravtsov,E
Spin density waves magnetism in thin Cr films: synchrotron and neutron results
INTAS workshop "Hierarchy of scales in magnetic nanostructures" (St. Petersburg, Russia) Talk (2004)

2004

Bedanta,S, Petravic,O, Kleemann,W, Kentzinger,E, Rücker,U, Paul,A, Brückel,Th, Cardoso,S, Freitas,PP
Polarized Neutron Reflectivity Studies on Discontinuous Metal Insulator Multilayers
Deutsche Neutronenstreutagung (TU Dresden) Poster (2004)

Chang,LJ, Schäfer,W, Jansen,E, Prager,M, Emmanuelle,S, Monkenbusch,M, Schweika,W, Perßon,J, Brückel,Th
Neutron scattering studies on pyrochlore $\text{Ho}_2\text{Ru}_2\text{O}_7$
Deutsche Neutronenstreutagung (Dresden) Poster (2004)

Feygenson,M, Ziegenhagen,N, Rücker,U, Kentzinger,E, Toperverg,B, Brückel,Th
X-ray and neutron scattering investigation of a laterally structured magnetic multilayer
Deutsche Neutronenstreutagung (TU Dresden) Poster (2004)

Kentzinger,E, Rücker,U, Toperverg,B, Ott,F, Brückel,Th
Layer-by-layer Investigation of the Magnetic Fluctuations in Polarizing Supermirrors
Deutsche Neutronenstreutagung (TU Dresden) Poster (2004)

Kentzinger,E, Rücker,U, Toperverg,B, Ziegenhagen,N, Paul,A, Brückel,Th
Layer-by-layer investigation of the magnetisation reversal process in magnetic multilayers by scattering of polarised neutron under grazing incidence
321. WE-Heraeus-Seminar (Bad Honnef) Poster (2004)

Kravtsov,E, Brucas,R, Hjorvarsson,B, Hoser,A, McIntyre,G, Nefedov,A, Radu,F, Remhof,A, Zabel,H
Proximity effect of vanadium on spin-density waves in Cr films
Deutsche Neutronenstreutagung (Dresden) Poster (2004)

Kravtsov,E, Nefedov,A, Radu,F, Remhof,A, Zabel,H, Hjorvarsson,B, Hoser A
Proximity effect of vanadium on spin-density wave magnetism in thin Cr films
5 International Symposium on Metallic Multilayers (Boulder USA) Talk (2004)

Köbler,U, Hoser,A
Long range magnetic order in three dimensions, a difficult problem
BENSC User Meeting (Berlin) Poster (2004)

Köbler,U, Hoser,A, Schäfer,W, Stüßer,N
Universal magnetic behaviour for $T \rightarrow 0$ and $T \rightarrow T_c$
Deutsche Neutronenstreutagung (Dresden) Poster (2004)

Paul,A, Kentzinger,E, Ruecker,U
Polarized neutron reflectivity and off-specular scattering in quantifying evolving domain structure of polycrystalline Co/Cu multilayers
Deutsche Neutronenstreutagung (Dresden) Talk (2004)

Paul,A, Kentzinger,E, Rücker,U, Bürgler,DE, Grünberg,P
Measurement and Simulation of Polarized neutron Reflectivity and off-specular scattering from evolving magnetic domain structure in Co/Cu multilayers
PNCMI 2004 (Washington) Poster (2004)

Paul,A, Kentzinger,E, Rücker,U, Bürgler,DE, Grünberg,P
Polarized neutron scattering of exchange-biased magnetic multilayers
PNCMI (Washington) Poster (2004)

Rücker,U, Kentzinger,E, Korolkov,D, Willner,L, Frielinghaus,H, Ziegenhagen,N, Brückel, Th, Toperverg, B
Investigation of lateral magnetic structures using neutron reflection techniques
321. WE-Heraeus-Seminar (Bad Honnef) Poster (2004)

2003

Köbler U.,Hoser A.
Critical behaviour of the magnetic order parameter for $T \rightarrow 0$ and for $T \rightarrow T_c$
European Conference on Neutron Scattering, Montpellier, 3.-6.9.2003 (2003) Poster

Köbler, U., Hoser, A., Bos, J., Schäfer, W.
Why does the spin wave theory fail?
Intern. Conference on Magnetism, ICM2003, 27.7.-1.8.2003, Roma, Italy

Köbler, U., Hoser, A., Schäfer, W.

Universal magnetic behaviour for $T \rightarrow 0$ and $T \rightarrow T_C$
3rd European Conf. on Neutron Scattering, ECNS-
2003, 03.-06.9.2003, Montpellier, France
Poster (Montpellier, 2003)

Köbler U., Hoser A., Schäfer W., Müller R., Bos J., Fischer K.

Warum richten sich reale Magnete nicht nach der
Spinwellentheorie ?
Frühjahrstagung der DPG, Dresden, (2003)

**Lauter, H., Lauter-Pasyuk, V., Toperverg, B.,
Rücker, U., Milyaev, M., Romashev, L.,
Krinitsyna, T., V. Ustinov, V.**

Layer magnetization evolution with magnetic field in
an uniaxial Fe/Cr multilayer PNSXM 2003
(Venedig), 4.-6. 8. 2003 Poster

**Rücker, U., Feygenson, M., Toperverg, B.,
Kentzinger, E., Dalglish, R., Brückel, Th.**

Neutron quantum well states used to increase the
sensitivity for magnetic disorder
ECNS 2003 (Montpellier), 3.-6. 9. 2003

Schäfer, W., Buschow, K. H. J.

Structure and ferromagnetic order of $\text{Er}_5\text{Mg}_{24}$ and
 $\text{Tm}_5\text{Mg}_{24}$
11. Jahrestagung der Deutschen Gesellschaft für
Kristallographie, 10.-13.3.2003, Berlin
Poster (Berlin, 2003)

**Schweika, W., Maleyev, S V., Brückel, Th.,
Plakhty, V., Regnault, L P**

Longitudinal spin fluctuations in the antiferromagnet
 MnF_2 studied by polarized
neutron scattering
DPG-Frühjahrstagung Dresden 26.3.2003

**Su, Y., Schweika, W., Istomin, K., Wermeille, D.,
Hupfeld, D., Fattah, A., Foucart, P., Brückel, Th.**
Investigations of lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ with
polarized neutrons and synchrotron X-rays (Poster)
PNSXM, Polarised Neutrons and Synchrotron X-rays
for Magnetism (Venedig, Italien) 2003

**Ziegenhagen, N., Rücker, U., Kentzinger, E.,
Lehmann, R., van der Hart, A.**

Magnetic domains in a laterally structured Fe / Cr
multilayer
Toperverg, B., Brückel, Th.
ECNS 2003 (Montpellier), 3.-6. 9. 2003 Poster

**Ziegenhagen, N., Rücker, U., Kentzinger, E.,
Toperverg, B., Lehmann, R., van der Hart, A.,
Brückel, Th.**

Determination of the Magnetic Properties of a
Laterally Structured Fe/Cr multilayer
ECNS 2003 (Montpellier), 3.-6. 9. 2003

2002

**Kalvius, GM, Noakes, DR, Wäppling, R, Schäfer,
W., Kockelmann, W, Yakinthos, JK, Kotsanidis, PA**

Spin dynamics and spin disorder in frustrated
 $\text{TbCo}_x\text{Ni}_{1-x}\text{C}_2$
9th Intern. Conference on Muon Spin
Rotation/Relaxation/Resonance (Williamsburg,
Virginia) Talk (2002)

**Kalvius, GM, Wagner, FE, Noakes, DR, Schreier, E,
Wäppling, R, Zimmermann, U, Schäfer, W.,
Kockelmann, W, Halevy, I, Gal, J**

Magnetic behavior of $\text{YFe}_x\text{Al}_{12-x}$
9th Intern. Conference on Muon Spin
Rotation/Relaxation/Resonance (Williamsburg,
Virginia) Talk (2002)

**Kentzinger, E., Rücker, U., Toperverg, B.,
Brückel, Th.**

Determination of the magnetic fluctuations in an
Fe/Cr/Fe trilayer exhibiting a neutron resonance state
Polarized Neutrons for Condensed Matter
Investigations (Juelich) Poster (2002)

**Kentzinger, E., Toperverg, B., Rücker, U.,
Brückel, Th.**

Simulation of Reflectivity and Off-Specular
Scattering of Polarised Neutrons from Laterally
Patterned Magnetic Multilayers
Workshop on Polarised Neutrons in Condensed
Matter Investigations (FZJ, Jülich) Poster (2002)

**Köbler, U., Hoser, A., Bos, J., Schäfer, W.,
Mueller, R., Fischer, K**

On the thermodynamic universality classes of
Heisenberg type magnets
Deutsche Neutronenstreutagung 2002 and The
European Spallation Source (Bonn) Poster (2002)

Lemmens,P, Choi,KY, Güntherodt,G, Kageyama,H, Hiroi,Z, Schäfer, W., Geibel,C, Brenig,W, Gros,C, Valentini,R, Millet,P, Törnroos,KW, Johnsson,M, Mila,F
From singlet to Néel State - a substitution study on the spin tetrahedra system $\text{Cu}_2\text{Te}_2\text{O}_5(\text{Br}_{1-x}\text{Cl}_x)_2$
DPG Frühjahrstagung (Regensburg) Talk (2002)

Rücker, U., Kentzinger, E., Toperverg, B., Ziegenhagen, N., Brückel, Th.
Off-specular scattering from magnetic structures measured with full polarization analysis using HADAS@DIDO, Jülich
REFILL-Workshop (Grenoble) Poster (2002)

Rücker, U., Toperverg, B., Kentzinger, E., Brückel, Th.
Resonant states in a ferromagnetic quantum well for neutrons
ESS-Konferenz (Bonn) Poster (2002)

Schäfer, W., Buschow,KHJ
Neutron diffraction on intermetallic $\text{Er}_5\text{Mg}_{24}$ and $\text{Tm}_5\text{Mg}_{24}$
8th European Powder Diffraction Conference (Uppsala) Poster (2002)

Siouris,IM, Schäfer, W.
Coexistence of spin glass states in the antiferromagnetic $\text{Tb}_2(\text{Ag},\text{In})_3$ and $\text{Tb}_2(\text{Cu},\text{In})_3$ systems
Deutsche Neutronenstreutagung 2002 and The European Spallation Source (Bonn) Poster (2002)

Siouris,IM, Semitelou,IP, Yakinthos,JK, Schäfer, W.
Presence of a spin glass state in antiferromagnetic Tb_2CuIn_3
8th European Powder Diffraction Conference (Uppsala) Poster (2002)

Su,Y, Istomin,K, Schweika, W., Fattah,A, Foucart,P, Meuffels,P, Brueckel Th
Polarization analysis of diffuse neutron scattering in lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$
European Conference ESS (Bonn, Germany) Poster (2002)

Su,Y, Schweika, W., Istomin,K, Fattah,A, Foucart,P, Brueckel, Th.
Investigation of lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ single crystals with polarized neutrons and synchrotron X-rays
Polarized Neutrons in Condensed Matter Investigations (PNCMI) (Jülich, Germany) Poster (2002)

Voigt, J., Kentzinger, E.
Untersuchung magnetischer Übergitter mit Neutronen und Synchrotronröntgenstrahlung
Workshop Magnetismus und Streumethoden (Jülich) Talk (2002)

Voigt, J., Kentzinger, E., Rücker, U., Schmidt, W., Schweika, W., Brückel, Th.
Magnetic Structures and Phase Transitions in [Er|Tb] Multilayers
German Neutron Scattering Meeting / ESS Meeting, Bonn (2002)

Voigt, J., Kentzinger, E., Rücker, U., Schweika, W., Brückel, Th.
Magnetic Structures and Phase Transitions in Er/Tb Superlattices
ESS-Konferenz (Bonn) Poster (2002)

Ziegenhagen, N., Rücker, U., Kentzinger, E., Lehmann,R, vanderHart,A, Toperverg, B., Brückel, Th
Magnetic Properties of Laterally Structured Fe/Cr Multilayers
ESS-Konferenz (Bonn) Poster (2002)

2001

Köbler, U., Hoser,A, Fischer,K, Beyss,M
The impact of fourth-order exchange interactions on the thermal variation of the order parameter
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Invited Talks

2006

Burckbuchler,V, Kjøniksen,A-L, Galant,C, Lund,R, Amiel,C, Knudsen,KD, Nyström, B
Structural and Dynamical Features in Aqueous Solutions of Amphiphilic Polymers in the Presence of Cyclodextrin or Polycyclodextrin
3rd Scandinavian Workshop on Scattering from Soft Matter (Uppsala, Sweden) (2006)

Frielinghaus,H
Polymer Additives in Microemulsions
Seminar Neutron Scattering in Material Science (Naples) (2006)

Frielinghaus,H, Brodeck,M, Maccarrone,S, Mangiapia,G, Frank,C, Allgaier,J, Richter D
New sticker polymers as efficiency boosters in microemulsions
3rd Zsigmondy Colloquium (Berlin) (2006)

OberdisseJulian,JO
Structure of Silica Aggregates in a Soft Polymeric Matrix
ILL Millenium Symposium (Grenoble) (2006)

Paduano,L
Supramolecular aggregates of amphiphilic gadolinium complexes as blood pool MRI/MRA contrast agents
JCNS Symposium and European User Meeting (Jülich) (2006)

Pyckhout-Hintzen,W, Richter,D, Straube,E
Small angle scsttering from nanocomposites
NANOCOMPOSITES Workshop (Montpellier,F) (2006)

Wischnewski,A
Dynamics of a miscible polymer blend: A quasiselastic neutron scattering study
CONFIT 3 (Grenoble, France) (2006)

2005

Endo,H
Study on Mineralization with Polymers by Means of Contrast Variation SANS
ICNS 2005 (Sydney) (2005)

Frielinghaus,H, Maccarrone,S, Byelov,D, Allgaier,J, Richter,D
SANS Studies of Confined Polymers in Microemulsions
ICNS2005 (Sydney) (2005)

Holderer,O, Frielinghaus,H, Byelov,D, Monkenbusch,M, Allgaier,J, Richter,D
Interface fluctuations, membrane elasticity and renormalization effects in microemulsions
Neutron Spin Echo Workshop 2005 (Grenoble) (2005)

Richter,D
Wax control by self-assembling polymers – a scientific approach
Workshop on Neutrons & Energy for the Future (Washington DC) (2005)

Urban,V, Pyckhout-Hintzen,W, Straube,E
SANS on polymer networks
ACS Rubber Division (San Antonio, TX, USA) (2005)

Wischnewski,A
Chain dynamics in linear polymer melts: A neutron spin echo study
76th Annual Meeting of the Society of Rheology (Lubbock, Texas) (2005)

Wischnewski,A
Unraveling motions in polymer melts
Juelich Soft Matter Days 2005 (Bonn, Germany) (2005)

Zorn, R
Experiments on the dynamics of glass-forming systems using inelastic neutron scattering and macroscopic relaxation methods
CIAE-Institutsseminar (Peking) (2005)

2004

Cohen,Y
Interaction Between Amphiphilic Polymers and Carbon Nanotubes
HPPC-III, High Performance Polymers and Polymer Composites (Lanzhou, China) (2004)

Frielinghaus,H
Modifikation von Mikroemulsionen durch Polymeradditive
Institutsseminar (Universität Darmstadt) (2004)

Monkenbusch,M, Holderer,O, Frielinghaus,H, Byelov,D, Allgaier,J, Richter,D
Bending moduli in microemulsions: comparison of results from small angle neutron scattering and neutron spin-echo spectroscopy
Conference on Physics of Soft Matter Complexes (Tokyo, Japan, 29.11.2004 - 02.12.2004) (2004)

Richter,D
Polymer dynamics from large to small scales
Colloquium (University of the Saarland) (2004)

Richter,D
Polymer dynamics from large to small scales
Colloquium (University of Erlangen) (2004)

Richter,D
Polymer dynamics from large to small scales
Whitby Lectures (University of Akron) (2004)

Richter,D
Neutrons in soft matter science
Colloquium (Cornell University) (2004)

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Neutrons in soft matter science
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Wischnewski,A
Chain dynamics in linear polymer melts
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5th SING User Meeting : PSI Villigen
Villigen,Switzerland: 16.01.2003

Frielinghaus,H
Efficiency boosting and viscosity tuning in microemulsions studied by small angle neutron scattering
Bayreuth Polymer Symposium BPS'03, Bayreuth, 30.09.2003

Frielinghaus,H, Byelov,D, Allgaier,J, Gompper,G, Richter, D.
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3rd European Conference on Neutron Scattering
Montpellier,France: 03.09.2003 - 06.09.2003

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Emulsification efficiency boosting in microemulsions: The effect of amphiphilic diblock copolymers
Kolloquiumsvortrag : Universität Kyoto
Kyoto,Japan: 24.10.2003

Richter, D.
Large scale dynamics of polymer melts from reptation to intrachain friction
CECAM Workshop on Mesoscopic Modelling of Polymer Dynamics
Lyon,France: 02.02.2003 - 05.02.2003

Richter, D.
Neutrons in soft matter science
Workshop on 'Physics meets Biology'
San Sebastian,Spanien: 26.06.2003 - 28.06.2003

Richter, D.
Neutrons in soft matter science
International Symposium on Pulsed Neutron Science and Instruments
Tsukuba,Japan: 27.10.2003 - 30.10.2003

Richter, D.
Polymerdynamik : von der gesamten Kette bis zur einzelnen Bindung
Universitätskolloquium : Technische Universität Ilmenau
Ilmenau: 07.01.2003

Richter, D., Monkenbusch,M, Willner,L, Wischnewski,A, Arbe,A, Colmenero,J, Farago,B.
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The Third International Symposium on Slow Dynamics in Complex Systems
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2002

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6. Labortreffen Relaxationsdynamik (Halle) (2002)

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Segmental Dynamics in Polyisobutylene: Comparison between Neutron Scattering and Computer Simulations
7. Labortreffen Relaxationsdynamik (Rostock) (2002)

Kahle, S
Local Dynamics in Polymers
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Seminar (Fa. ExxonMobil) (2002)

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Wax control by self-assembling polymers - a science approach
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Universität Bayreuth (Bayreuth) (2001)

Allgaier,J
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T; Strey R**
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Jülich Soft Matter Days (Kerkrade) (2001)

Kahle,S
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Polybutadiene
4th Int. Discussion Meeting on Relaxations in
Complex Systems (Heraklion) (2001)

Richter, D.
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Structure and Dynamics of Matter (Kopenhagen)
(2001)

Richter, D.
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Wax crystal modification by Random copolymers of
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Conference Presentations

2006

Brodeck,M, Frielinghaus,H, Allgaier,J, Richter,D
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JCNS Symposium and European User Meeting
(Jülich) Poster (2006)

Brodeck,M, Frielinghaus,H, Allgaier,J, Richter,D
Microemulsions with sticker polymers as efficiency boosters
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Chaussee,T
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Dror,Y, Pyckhout-Hintzen,W, Cohen,Y
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American Physical Society Meeting (Baltimore, MD, USA) Talk (2006)

Frielinghaus,H, Hermes,H, Pyckhout-Hintzen,W, Richter,D
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JCNS Symposium and European User Meeting (Jülich) Poster (2006)

Frielinghaus,H, Hermes,H, Pyckhout-Hintzen,W, Richter,D
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Holderer,O, Frielinghaus,H, Byelov,D, Monkenbusch,M, Allgaier,J, Richter,D
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László,K, Kosik,K, Wilk,E, Geissler,E
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SoftComp Network Area Meetings (Venice) Talk (2006)

Maccarrone,S, Frielinghaus,H, Allgaier,J, Richter,D
Confined Polymers in Microemulsions
JCNS Symposium and European User Meeting (Jülich) Poster (2006)

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SoftComp Annual Meeting 2006 (Venice, Italy) Talk (2006)

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DPG Frühjahrstagung 2006 (Dresden) Poster (2006)

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Dynamics in Confinement (ILL, Grenoble, France)

Poster (2006)

Niedzwiedz,K

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SoftComp (Venice) Talk (2006)

Niedzwiedz,K, Wischniewski,A, Monkenbusch,M, Willner,L, Richter,D, Genix,A-C, Arbe A, Colmenero J, Straube E

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Tyagi,M, Alegria,A, Alvarez,F, Colmenero,J, Monkenbusch,M, Frick,B

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Zacherle,T, Pyckhout-Hintzen,W, Frielinghaus,H, Allgaier,J, Wischniewski,A, Richter,D

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Zamponi,M, Wischniewski,A, Monkenbusch,M, Willner,L, Farago,B, Richter,D

Anomalous diffusion in short chain polymer melts

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Annual European Rheology Conference (Hersonisos, Greece) Talk (2006)

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Frielinghaus,H, Hermes,H, Pyckhout-Hintzen,W, Richter,D

Polymer clay nanocomposites

Jülich Soft Matter Days 2005 (Bonn) Poster (2005)

Frielinghaus,H, Maccarrone,S, Byelov,D, Allgaier,J, Richter,D

Confinement Effects of Polymers in Microemulsions

2nd FRM-II Workshop on Neutron Scattering (Burg

Rothenfels) Talk (2005)

Frielinghaus,H, Maccarrone,S, Byelov,D, Allgaier,J, Richter,D, Auth,T

Polymer confinement effects in microemulsions

Bayreuther Polymer Symposium (Bayreuth) Poster (2005)

Hermes,H, Frielinghaus,H, Pyckhout-Hintzen,W, Richter,D

Polymer-Clay-Nanocomposites: A New Approach

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Holderer,O, Frielinghaus,H, Monkenbusch,M, Allgaier,J, Richter,D

Dynamic properties of microemulsions modified with homopolymers and diblock copolymers - the determination of bending moduli and renormalization effects

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Deutsche Neutronenstreutagung (Dresden / D) Talk (2004)

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Polymer boosting and the complementary effect -- microemulsions with polymer confinement effects
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Galant,C, Kjoniksen,A-L, Knudsen,KD, Laukkanen,A, Tenhu,H, Lund,R, Nystrom, B
Physical properties of aqueous solutions of a thermoresponsive PVCL-g-C₁₁EO₄2 copolymer
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Hermes,HE, Frielinghaus,H, Pyckhout-Hintzen,W, Richter,D

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Holderer,O, Frielinghaus,H, Byelov,D, Monkenbusch,M, Allgaier,J, Richter,D

Dynamics of bicontinuous microemulsions modified by addition of homopolymers
7th International Conference on Quasi-Elastic Neutron Scattering (QENS 2004) (Arcachon, France, 01.09.2004 - 04.09.2004) Talk (2004)

Hu,XS, Biehl,R, Prud'homme,RK, Monkenbusch,M, Lal,J

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**Korolkov,D, Willner,L, Kentzinger,E,
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Grazing Incidence Small Angle Neutron Scattering
from dPS-PB diblock copolymer films
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(2004)

Mangiapia,G
A novel class of potential contrast agents for using in
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XXXIII Italian Congress of Physical Chemistry
(Naples, 21-25 july) Talk (2004)

**Melnichenko,YB, Wignall,GD, Cole,DR,
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Liquid-Gas Critical Phenomena Under Confinement:
SANS Studies of CO₂ in Aerogel
ACNS 2004 (College Park, Maryland, USA) Talk
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**Radulescu,A, Schwahn,D, Stellbrink,J,
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Coates GW, Fetters LJ**
Self-assembly in solution of partially crystalline
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Jülich Soft Matter Days 2004 (Kerkrade, The
Netherlands) Poster (2004)

**Stellbrink,J, Laurati,M, Lund,R, Rother,G,
Willner,L, Richter,D, Zaccarelli E**
PEP-PEO Diblock Copolymer Micelles - A Colloidal
Model System with tunable Softness
From Hard to Ultra-soft Colloids (Koutulofari(Crete),
Greece) Talk (2004)

**Wischnewski,A, Zamponi,M, Monkenbusch,M,
Willner,L, Richter, D., Likhtman,AE,
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Molecular observation of mechanisms limiting the
topological confinement in polymer melts: a neutron
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**Zamponi,M, Wischnewski,A, Monkenbusch,M,
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The influence of constraint release on the reptation
process: NSE study and comparison to simulation
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**Blanchard,A, Pyckhout-Hintzen,W, Willner,L,
Straube,E, Richter, D..**
SANS study of non-linear relaxation mechanisms in
an elongated polymer melt
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**Byelov,D, Frielinghaus,H, Allgaier,J, Gompper,G,
Richter, D.**
SANS studies of polymer efficiency boosting in mi-
croemulsions - diblock copolymers versus ho-
mopolymers
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19.11.2003 (Poster)

**Frielinghaus,H, Byelov,D, Allgaier,J, Gompper,G,
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Microemulsions in the droplet phase with polymer as
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20.11.2003 (Poster)

**Heinrich,M, Pyckhout-Hintzen,W, Allgaier,J,
Richter, D., Straube,E, Read,D. J, McLeish,T. C.
B, Wiedenmann,A**
Time evolution of strain relaxation in a model H-
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Relaxation dynamics of entangled branched polymers investigated by SANS
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Hermes,HE, Frielinghaus,H, Pyckhout-Hintzen,W, Richter, D.
Polymer-silicate nanocomposites: A molecular level investigation
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Kerkrade, The Netherlands: 18.11.2003 - 21.11.2003
Poster

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Poster

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Montpellier,France: 03.09.2003 - 06.09.2003 Poster

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Tuning of exchange kinetics and structure of star-like polymeric micelles
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Dynamics of lamellar microemulsions – A neutron-spin-echo investigation
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Thermal composition fluctuations and phase behaviour of an A/B/A-B homopolymer blend/diblock copolymer mixture
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Austin,Texas: 06.03.2003
Willner,L, Lund,R, Radulescu,A, Stellbrink,J, Richter, D.
Tuning of chain exchange kinetics and structure in PEP-PEO block copolymer micelles
77th ACS Conference,Colloid and Surface Science Symposium
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Wischnewski,A, Monkenbusch,M, Willner,L, Richter, D., Likhtman,A. E, McLeish,T. C. B, Farago,B
Constraints of motion in polymer melts: A coherent and incoherent neutron spin echo study
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San Sebastian: 26.06.2003 - 28.06.2003 Poster

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Willner,L, Pyckhout-Hintzen,W, Richter, D.,
Likhtman,A. E, McLeish,T. C. B, Farago,B**

What limits reptation?

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**Zamponi,M, Wischnewski,A, Monkenbusch,M,
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Limiting effects in reptation dynamics: the onset of
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Jülich Soft Matter Days 2003

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The influence of contour length fluctuations on the
reptation process

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Proving the concept of contour length fluctuations in
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Schönhals,A, Richter, D.**

Dynamics of confined glass-forming systems

observed by neutron scattering

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Dynamics of confined glass-forming systems

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Relaxation mechanisms in a stretched linear polymer
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SANS studies of bicontinuous microemulsions with
homopolymer and diblock copolymer additions

ESS European Conference, Bonn, 15.5.2002 (Poster)

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Small angle neutron scattering studies of
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an efficiency booster

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Small angle neutron scattering studies of microemul-
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Relaxation dynamics of entangled branched polymers
investigated by SANS

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**Heinrich,M, Pyckhout-Hintzen,W, Richter, D.,
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Time evolution of strain relaxation in a model-
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Straube,E, Wiedenmann,A**

Time evolution of strain relaxation in a model-
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Hermes,HE, Willner,L, Kreitschmann,M, Pyckhout-Hintzen,W, Richter,D
Small angle scattering investigation of linear and star trifluoroacetylated nylon-6
Juelich Soft Matter Days (Kerkrade, NL) Poster (2002)

Kahle,S, Monkenbusch,M, Richter, D., Ryckaert,JP, Koza,M
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ESS European Conference (Bonn) Poster (2002)

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EGU General Assembly (Vienna) (2005)

2004

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Réunion des sciences de la terre (Strasbourg) (2004)

2003

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IX. Simpósio Nacional de Estudos Tectônicos (Búzios, Brasil) (2003)

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14th Conference on Deformation mechanisms, Rheology and Tectonics (DRT) (St. Malo, France) (2003)

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Deformation of the Monte Rosa nappe along the Stellihorn shear zone and the nappe's tail as revealed by neutron texture goniometry of mylonitic quartzites
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11. Symposium Tektonik, Struktur- und Kristallingeologie (Göttingen) Talk (2006)

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Mikrostruktur und Textur nach Scherverformungsversuchen an Hämatit
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2005

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Internal deformation of the Monte Rosa nappe along the Stellihorn shear zone
7th Workshop on Alpine Geological Studies (Opatija) Poster (2005)

Siemes,H, Klingenberg,B, Rybacki,E, Naumann,M, Walter,JM, Jansen,E, Kunze, K
Microstructure and texture of hematite ore deformed to large strain in torsion
Jahrestagung der Deutschen Mineralogischen Gesellschaft (Aachen, Germany) Poster (2005)

Siemes,H, Rybacki,E, Schäfer,W, Kunze,K
Glide systems of hematite single crystals in deformation experiments

15th Conference on Deformation mechanisms, Rheology and Tectonics (DRT) (ETH Zürich, Switzerland) Poster (2005)

2004

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The Matterhorn - really from Africa?

Réunion des sciences de la terre (Strasbourg) Poster (2004)

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10. Symposium Tektonik, Struktur- und Kristallingeologie (Aachen) Poster (2004)

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Gefaltete ozeanische Suturen südlich des Monte Rosa (Penninische Alpen)
10. Symposium Tektonik, Struktur- und Kristallingeologie (Aachen) Poster (2004)

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8. International Congress on Applied Mineralogy (Aguas de Lindoia (Brazil)) Poster (2004)

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Glide Systems of Hematite Single Crystals in Deformation Experiments
ICAM (Sao Paulo) Talk (2004)

2003

E. Jansen, W. Kockelmann, A. Kirfel, R. Linke and M. Schreiner

Archaeometry by neutron diffraction: Test experiments for texture analysis of coins
11. Jahrestagung der Deutschen Gesellschaft für Kristallographie, 10.-13.3.2003, Berlin
Poster (Berlin, 2003)

E. Jansen, W. Kockelmann, A. Kirfel, R. Linke and M. Schreiner

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Conference on the Use of Ion Beams in Materials Science, Medicine and Archaeometry, 22.-24.5.2003, Namur, Belgium
Poster (Namur, 2003)

Jansen,E, Schäfer, W., Kirfel,A

On the increasing use of the Jülich texture diffractometer for geological projects
3rd European Conf. On Neutron Scattering ECNS 2003, 03.-06.09.03, Montpellier/France (Poster)

W. Kockelmann, A. Kirfel, E. Jansen, R. Linke, M. Schreiner, R. Traum and R. Denk

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Structural analysis of continental and oceanic rocks in the upper Sesia valley (Piemonte, northern Italy)
Meeting of the Swiss Tectonic Studies Group, November 2003, Basel, Swiss
Poster (Basel, 2003)

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Pleuger,J, Froitzheim,N, Walter,JM

Internal deformation of the Monte Rosa nappe along the Stellhorn shear zone
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9. Symposium Tektonik - Strukturgeologie - Kristallingeologie (Erlangen) Talk (2002)

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ESS European Conference (Bonn) Poster (2002)

Rinaldi,R, Artioli,G, Kockelmann,W, Schäfer, W., Schofield,PF, Zoppi,M, Magerl,A

Cultural Heritage: Artefacts and Materials
Scientific and Technological Challenges in the 21st Century (Dourdan (F)) Talk (2002)

Schäfer, W.

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ESS-SAC-Workshop Earth Science (Cambridge (UK)) Talk (2002)

Schäfer, W., Jansen,E, Kirfel,A, Kurz,W, Froitzheim,N

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XIX Congress and General Assembly of the International Union of Crystallography (Genf) Poster (2002)

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Comparative texture studies of complex systems, time
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European Powder Diffraction Conference (EPDIC10)
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Naumann,M, Walter,JM, Jansen,E, Kunze, K
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Theses

2006

Casas,F

Structural heterogeneities of glass polymers after plastic deformation
PhD (physical chemistry), University Paris SUD XI
(2006, *Soft condensed matter, Liquids, Glasses*)

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Ariane Blanchard

SANS study of the non-linear relaxation mechanisms in a step-strain elongated linear polymer melt
Dr. rer. nat. (Physical Chemistry), Mathematisch-Naturwissenschaftliche Fakultät, Westfälische Wilhelms-Universität Münster (2005, *Soft condensed matter, Liquids, Glasses*)

Dror,Y

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Laurati,M

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Oh,IH

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Dr. rer. nat. (Crystallography), Institut für Kristallographie, RWTH Aachen (2005, *Crystallography*)

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Byelov, Dmytro

A SANS study of microemulsions with polymer additions
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Hermann,RP

A neutron scattering and Moessbauer spectral study of thermoelectric and magnetic materials
Dr. rer. nat. (Physics), Universite de Liege - Belgium (2004, *Excitations*)

Lund,R

Chain exchange kinetics and structure of polymeric micelles - A comprehensive study of three model systems
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Mangiapia,G

Structural study of supramolecular systems composed by synthetic polymers and surfactants involved in controlled release of biological substances
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Pipich, Vitaly

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Zamponi,M

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Hense, K.

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Hill, C

Curing and Morphology of Adhesives
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Diploma (Physics), Fakultät für Mathematik, Informatik und Naturwissenschaften, RWTH Aachen (2002, *Magnetic structures*)

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Endo,H

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Erhardt,R

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Hundenborn,R

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Dipl.-Geol. (Geology), Geologisches Institut, Universität Bonn (2001, *Geology, Archaeology*)

Kowald,T

Jakobsit - Einfluss der Materialsynthese auf die elektrischen und magnetischen Eigenschaften
Dipl.-Mineraloge (Mineralogy), Fachbereich Geowissenschaften, Philipps-Universität Marburg (2001, *Crystallography*)

Meents,A

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Meven,M

Entwicklung eines hochauflösenden Röntgen-Einkristalldiffraktometers und Strukturuntersuchungen an $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ -Einkristallen.
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Moreno,A

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Dr (Physics), Universidad del País Vasco (UPV/EHU) (2001, *Soft condensed matter, Liquids, Glasses*)

Pleuger,J

Strukturgeologische Untersuchungen in der Adula-Decke, Misoixer Zone und Tambodecke am Passo del San Bernardino
Dipl. Geol. (Geology), Geologisches Institut, Universität Bonn (2001, *Geology, Archaeology*)

Training

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Braden, M.

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