Prof. Dr. Thomas Brückel **Konferenzbeiträge**
(aktualisiert: 23. März 2022)

2022

UCANS9 – online by RIKEN, Japan -

1. J. Baggemann; P. Zakalek; Q. Ding; E. Mauerhofer; U. Rücker; J. Li; Th. Loewenhoff; M. Wirtz; G. Pintsuk; J. Wolters; Y. Bessler; T. Gutberlet; T. Brückel
   HBS High Power Density Neutron Target - Design and Experimental Tests (V)
2. Brückel, T.
   Towards a Network of Accelerator-based Facilities in Europe (Keynote Lecture)
3. *Q. Ding; J. Wolters; J. Baggemann; U. Rücker; P. Zakalek; J. Li; Y. Beßler; T. Gutberlet; T. Brückel; G. Natour*
   Optimization of a target with microchannel cooling using advanced simulation technologies (V)
4. T. Gutberlet; U. Rücker; E. Mauerhofer; P. Zakalek; J. Voigt; J. Baggemann; J. Li; K. Lieutenant; A. Schwab; Q. Ding; Z. Ma; S. Eisenhut; R. Hanslik; Y. Bessler; F.Löchte; M.Rimmler; O.Felden; A.Lehrach; R.Gebel; O.Meusel; H.Podlech; W.Barth; T.Brückel
   The Jülich HBS Project for accelerator based neutron sources (V)
5. Jingjing Li, Mathias Strothmann, Paul Zakalek, Johannes Baggemann, Thomas Gutberlet, Thomas Brückel
   Monte Carlo simulation of a mesitylene based cold moderator system for accelerator-driven compact neutron sources
6. U. Rücker, P. Zakalek, J. Li, J. Voigt, D. Shabani, S. Böhm; E. Mauerhofer, T. Gutberlet, Th. Brückel
   Optimized thermal moderators for Compact Accelerator-driven Neutron Sources (V)
7. A. Schwab; S. Eisenhut; Y. Beßler; J. Baggemann; J. Li; T. Gutberlet; U. Rücker; P. Zakalek; T. Brückel; G. Natour
   Cold moderators for the High Brilliance Neutron Source (V)
8. Paul Zakalek; Johannes Baggemann; Jingjing Li; Ulrich Rücker; Jörg Voigt; Fynn Löchte; Romuald Hanslik; Yannick Bessler; Richard Achten; Bernd Ottmann; Michael Schmitt; Eric Mauerhofer; Klaus Lieutenant; Thomas Gutberlet, Thomas Brückel
   A flexible target station for Hi-CANS (V)

2021

HBS Workshop Unkel – online event -

9. "ELENA" (V)

LENS GA/EB Joint General Assembly and Executive Board (visioconference)

10. WG1 report (V)

MML-Workshop – online event -

11. Baggemann, J.; P. Zakalek , Q. Ding , E. Mauerhofer , U. Rücker , J. Li , T. Gutberlet, T. Brückel; Th. Loewenhoff, M. Wirtz, G. Pintsuk; J. Wolters, Y. Bessler
Development of a High-Power Density Neutron Target - Design and first Experimental Tests (P)

12. Ding, Q.; Rücker, U.; Zakalek, P.; Baggemann, J.; Wolters, J.; Li, J.; Beßler, Y.; Gutberlet, T.; Brückel, T.; Natour, G.
Optimization of a target with a microchannel cooling structure using particle transport simulations (P)

13. Hamed, M.; Xu, Y.; Bednarski-Meinke, C.; Qdemat, A.; Kentzinger, E.; Brückel, T.
Interfacial control of phase transitions in magnetic oxide heterostructures through electric field for magnetic switching (P)

14. Rai, V.; Stunault, A.; Schmidt, W.; Soh, J.-R.; Perßon, J.; Brückel, T.
Anomalous Hall effect and magnetic structure of the topological semimetal: Hexagonal-(Mn0.78Fe0.22)3Ge (P)

15. Rücker, U.; P. Zakalek, J. Li, E. Mauerhofer, K. Lieutenant, J. Voigt, T. Gutberlet, Th. Brückel
Optimized thermal moderators forHBS-typeneutronsources (P)

16. Schwab, A.; S. Eisenhut, Y. Beßler, J. Baggemann, P. Zakalek, J. Li, U. Rücker, T. Gutberlet, G. Natour, T. Brückel
Cold moderator developments for the High Brilliance Neutron Source (P)

Symposium of Magnetism and Spintronics (NISER, Indien)

17. Addressing the climate crisis: How can magnetism contribute?

2020

Canadian Neutron Initiative –online event-

18. The Jülich Center for Neutron Science - experience in operating a virtual Institute for Neutron scattering (V)

DPG-Frühjahrstagung der Sektion Kondensierte Materie (TU Dresden) -event cancelled due to Corona-

19. Mohammed Ait Haddouch, Jörg Voigt, Karen Friese, Andreas Eich, Jörg Perßon, Armand Budzianowski, Nicolò Violini, Fabiano Yokaichiya, Devashibhai Adroja, Thomas Brückel
Magnetic phase diagram of the magnetocaloric compound MnFeSi (V)

20. Tanvi Bhatnagar, Anirban Sarkar, Emmanuel Kentzinger, Andras Kovács, Qianqian Lan, Patrick Schöffmann, Annika Stellhorn, Markus Waschk, Brian Kirby, Alexander Grutter, Rafal Dunin-Borkowski, Thomas Brückel
Depth-resolved magnetism in La0.67 Sr0. MnO/PMN-PT as a function of applied electric field (V)

21. Lei Cao, Oleg Petracic, Paul Zakalek, Alexander Weber, Ulrich Rücker, Jürgen Schubert, Alexandros Koutsioubas, Stefan Mattauch, Thomas Brückel
Control of structure and physical properties of La0.7Sr0.MnO thin films via oxygen stoichometry (V)

22. Venus Rai, Shibabrata Nandi, Subhadip Jana, Jörg Perßon, Thomas Brückel
Magnetic and Anomalous Transport Properties of Hexagonal -$Mn_{3+\delta}Ge$ (P)

23. PATRICK SCHÖFFMANN, ANIRBAN SARKAR, TANVI BHATNAGAR', MAI HUSSAIN HAMED, STEPHAN GEPRÄGS, EMMANUEL KENTZINGER, ANNIKA STELLHORN, BRIAN KIRBY, ALEXANDER GRUTTER, SABINE PÜTTER, MARTINA MÜLLER, THOMAS BRÜCKEL
Polarized neutron reflectometry of magneto-electric coupling in FeO_4/PMN-PT(0) artificial multiferroic heterostructures (V)

24. ANNIKA STELLHORN, ANIRBAN SARKAR, EMMANUEL KENTZINGER, SONJA SCHRÖDER, GRIGOL ABULADZE, MARKUS WASCHK, TANVI BHATNAGAR, PATRICK SCHÖFFMANN, ZHENDONG FU, VITALIY PIPICH, KATHRYN KRYCKA, JURI BARTHEL, THOMAS BRÜCKEL
Domain-Superconductivity in Nb/FePd with lateral inhomogeneous magnetization (P)

25. XIAO SUN, ANN-CHRISTIN DIPPEL, ALADIN ULLRICH, OLEG PETRACIC, THOMAS BRÜCKEL
Tuning the structural and magnetic properties of transition metal oxide nanoparticles (V)

26. HENRIK THOMA, VLADIMIR HUTANU, MANUEL ANGST, GEORG ROTH, THOMAS BRÜCKEL
Revealing the antiferromagnetic spin density in multiferroic $Ba_2CoGe_2O_7$ (V)

27. XIAO WANG, FENGFENG ZHU, JUNDA SONG, YIXI SU, THOMAS BRÜCKEL
Noncoplanar magnetic order induced absence of large anomalous Hall effects in Mn_3Sn (V)

28. FENGFENG ZHU, XIAO WANG, JUNDA SONG, THOMAS MÜLLER, YIXI SU, THOMAS BRÜCKEL
Magnetic structures and interplay between Eu and Mn in Dirac material EuMnBi2 (V)

HBS Workshop (Unkel) – online event -

29. "ELENA" (V)

MLZ User Meeting & German Neutron Scattering Conference 2020 - online event -

30. *Q. Ding, J. Baggemann, P. Zakalek, U. Rücker, J. Li, T. Gutberlet, T. Brückel*
Monte Carlo simulation and optimization for the micro-channel target of the HBS project

31. Artem Feoktystov; Zakaria Mahhouti; Henrich Frielinghaus; Marie-Sousai Appavou; Zahir Salhi; Earl Babcock; Alexander Ioffe; Stefan Mattauch; Stephan Förster; Thomas Brückel
KWS-1 SANS instrument with polarization analysis (P)

32. Thomas Gutberlet; Johannes Baggemann, Sarah Böhm, Tobias Cronert, Qi Ding, Paul-Emmanuel Doege, Sebastian Eisenhut, Jiatong Li, Jingjing Li, Klaus Lieutenant, Zhanwen Ma, Eric Mauerhofer, Oliver Meusel, Niklas Ophoven, Holger Podlech, Marius Rimmler, Ulrich Rücker, Alexander Schwab, Jörg Voigt, Paul Zakalek, Thomas Brückel
Perspectives for accelerator based neutron sources - The HBS project (V)

33. Jiatong Li; Jingjing Li; Eric Mauerhofer; Marius Rimmler; Ulrich Rücker; Paul Zakalek; Thomas Gutberlet; Thomas Brückel
FLUKA and MCNP simulation benchmark for neutron yield measurement in HBS project (P)

34. Zhanwen Ma; Klaus Lieutenant; Jörg Voigt; Thomas Gutberlet; Thomas Brückel
Comparison of guide systems for instruments at the high brilliance source (HBS) (P)

35. Stefan Mattauch; Alexandros Koutsioumpas; Sabine Pütter; Kirill Zhernenkov; Earl Babcock; Zahir Salhi; Alexander Ioffe; Thomas Brückel
MARIA – The high-intensity polarized neutron reflectometer of JCNS (P)

36. Marius Rimmler; Jiatong Li; Jingjing Li; Eric Mauerhofer; Ulrich Rücker; Paul Zakalek; Thomas Gutberlet; Thomas Brückel
Neutron yield measurements for Be; V and Ta targets from 22-42 MeV proton beams (P)

37. Ulrich Rücker; Jingjing Li; Paul Zakalek; Jörg Voigt; Eric Mauerhofer; Thomas Gutberlet; Thomas Brückel
Engineering of the thermal moderator for a Compact Accelerator driven Neutron Source (CANS) (P)

Union for Compact Accelerator-driven Neutron Sources WEB Seminar 2020 - online event -

38. ***LENS and ELENA - Fostering ideas for a changing Neutron landscape in Europe (V)***

2019

4th internal biennial science meeting of the MLZ" (Seminarhaus Grainau)

39. Cao, L.; Petracic, O.; Zakalek, P.; Weber, A.; Rücker, U.; Schubert, J.; Koutsioumpas, A.; Mattauch, S.; Brückel, T.
Reversible tuning of structural, magnetic and transport properties via oxygen desorption/absorption in epitaxial La0.7Sr0.3MnO3-δ thin films (P)

40. Sarkar, A.; Brückel, T.
Growth and characterization of magnetite based artificial multiferroic heterostructure (P)

4th Palestinian German Science Bridge Cooperation Workshop (Al Bireh, Ramallah, Palestine)

41. Herzallah, M.; Brückel, T.; Kuhn, A.; Fatafta, H.; Sayyed-Ahmad, A.; Strodel, B.
Unraveling the interactions between Alzheimer's peptide and lipid membranes (V)

42. Maraytta, N.; Hutanu, V.; Skourskii, Y.; Voigt, J.; Friese, K.; Herrmann, M.; Persson, J.; Salman, S.; Brückel, T.
Magnetization and magnetocaloric effect in MnFe4Si3 (V)

50th IFF Spring School (Forschungszentrum Jülich)

43. Scattering - introduction and overview (V)

44. Bhatnagar, T.; Sarkar, A.; Waschk, M.; Kentzinger, E.; Kóvacs, A.; Jin, L.; Schöffmann, P.; Faley, M.; Dunin-Borkowski, R.; Brückel, T.
Growth of La0.67Sr0.33MnO3/BaTiO3 and La0.67Sr0.33MnO3/PMN-PT : An approach for Voltage Control of Magnetism (P)

45. Maraytta, N.; Friese, K.; Voigt, J.; Skourski, Y.; Persson, J.; Thoma, H.; Hutanu, V.; Brückel, T.; Salman, S.
Magnetocaloric Effect of $MnFe_4Si_3$ (P)

46. Stellhorn, A.; Sarkar, A.; Kentzinger, E.; Waschk, M.; Schröder, S.; Schöffmann, P.; Fu, Z.; Pipich, V.; Brückel, T.
Interface effects in superconductor-ferromagnet heterostructures (P)

DPG-Frühjahrstagung der Sektion Materie und Kosmos (TU München)

47. Doege, P.; Baggemann, J.; Cronert, T.; Gutberlet, T.; Mauerhofer, E.; Rücker, U.; Voigt, J.; Bessler, Y.; Wolters, J.; Böhm, S.; Li, J.; Natour, G.; Brückel, T.
Target Concept for a Compact Laboratory Scale Accelerator Driven High Brilliance Neutron Source (V)

48. Podlech, H.; Droba, M.; Kümpel, K.; Lamprecht, S.; Meusel, O.; Petry, N.; Schneider, P.; Schwarz, M.; Li, C.; Zhang, C.; Baggemann, J.; Brückel, T.; Cronert, T.; Doege, P.; Gutberlet, T.; Mauerhofer, E.; Rücker, U.; Zakalek, P.; Böhm, S.
The High Brilliance Neutron Source (HBS) - Challenges of a Modern Proton Accelerator (V)

49. Rimmler, M.; Baggemann, J.; Felden, O.; Gebel, R.; Gutberlet, T.; Rücker, U.; Zakalek, P.; Brückel, T.
Proton beam multiplexing and pulse distribution concepts for the High Brilliance Neutron Source HBS (V)

International Meeting of the Union for Compact Accelerator-driven Neutron Sources/UCANS 8 (Paris)

50. Gutberlet, T.; Rücker, U.; Zakalek, P.; Mauerhofer, E.; Cronert, T.; Baggemann, J.; Doege, P.; Rimmler, M.; Böhm, S.; Li, J.; Brückel, T.
Bringing Neutrons to the User - The Jülich HBS Project for accelerator based neutron sources (P)

51. Rücker, U.; Zakalek, P.; Voigt, J.; Mauerhofer, E.; Böhm, S.; Li, J.; Cronert, T.; Gutberlet, T.; Brückel, T.
Instrumentation for small and large CANS (V)

Joint European Magnetic Symposia JEMS (Uppsala, Sweden)

52. Spin Dynamics in the $Mn_{5-x}Fe_xSi_3$ Series and its Significance for the Magnetocaloric Effect (V)

Neutronenpraktikum (FZ Jülich)

53. Applications of neutron scattering - an overview (V)

54. Introduction: Neutron Scattering in Contemporary Research (V)

NOVA ERA Workshop (Forschungszentrum Jülich)

55. Beschleunigerbasierte Neutronenquellen, das HBS Projekt am Forschungszentrum Jülich (V)

SCANS-Workshop: A compact accelerator-driven neutron source for Scandinavia ? (IFE Norwegen)

56. S. Eisenhut, M. Klaus, J. Baggemann, U. Rücker, Y. Beßler, C. Haberstroh, T. Cronert, T. Gutberlet, T. Brückel, C. Lange
Cryostat for the provision of liquid hydrogen with variable ortho-para-ratio for a low-dimensional cold neutron moderator (V)

57. T. Gutberlet, U. Rücker, E. Mauerhofer, P. Zakalek, T. Cronert, J. Voigt, J. Baggemann, J. Li, P. Doege, S. Böhm, M. Rimmler, O. Felden, A. Lehrach, R. Gebel, O. Meusel, H. Podlech, W. Barth, T. Brückel
Neutrons for today and tomorrow – The HBS Project for compact accelerator-based neutron sources (V)

Second Scientific Workshop of the Program "From Matter to Materials and Life "MML" (HZDR, Dresden)

58. Bhatnagar, T.; Sarkar, A.; Waschk, M.; Kentzinger, E.; Kovacs, A.; Jin, L.; Schöffmann, P.; Faley,M.; Dunin-Borkowski, R.; Brückel, T.
Growth of $La_{0.67}Sr_{0.33}$ MnO_3/$BaTiO_3$ and $La_{0.67}Sr_{0.33}MnO_3$/PMN-PT: An approach for Voltage Control of Magnetism (P)

59. Gutberlet, T.; Rücker, U.; Mauerhofer, E.; Zakalek, P.; Cronert, T.; Voigt, J.; Baggemann, J.; Doege, P.; Li, J.; Brückel, T.
Bringing Neutrons to the User. The HBS Project for accelerator based neutron sources (P)

60. Zakalek, P.; Doege, P.; Baggemann, J.; Cronert, T.; Böhm, S.; Rimmler, M.; Li, J.; Voigt, J.; Rücker, U.; Mauerhofer, E.; Gutberlet, T.; Nabbi, R.; Brückel, T.
Neutron production and moderation for a High Brilliance Neutron Source (HBS) (P)

2018

German Conference for Research with Synchrotron Radiation, Neutrons and Ion Beams at Large Facilities (Munich)

61. Ait Haddouch, M.; Voigt, J.; Violini, N.; Friese, K.; Perßon, J.; Brückel, T.
Magnetic properties and lattice dynamics of $Mn_3Fe_2Si_3$ single crystal (P)
62. Bhatnagar, T.; Kentzinger, E.; Sarkar, A.; Waschk, M.; Kovacs, A.; Jin, L.; Dunin-Borkowski, R.; Brückel, T.
Voltage control of magnetism in oxide heterostructures: Neutron & X-ray and electron microscopy investigation (P)
63. Böhm, S.; Zakalek, P.; Doege, P.; Baggemann, J.; Cronert, T.; Voigt, J.; Rücker, U.; Mauerhofer, E.; Gutberlet, T.; Brückel, T.
Development of a high-brilliance accelerator driven neutron source: Simulations for NOVA ERA (P)
64. Brückel, T.; Gutberlet, T.; Rücker, U.; Mauerhofer, E.; Zakalek, P.; Cronert, T.; Voigt, J.; Baggemann, J.; Doege, P.
The HBS Project for a High Brilliance Neutron Source (V)
65. Feoktystov, A.; Barnsley, L.; Frielinghaus, H.; Appavou, M.-S.; Salhi, Z.; Babcock, E.; Ioffe, A.; Mattauch, S.; Brückel, T.; Förster, S.
KWS-1 SANS instrument with polarization analysis (P)
66. Gutberlet, T.; Rücker, U.; Mauerhofer, E.; Zakalek, P.; Cronert, T.; Voigt, J.; Baggemann, J.; Doege, P.; Li, J.; Böhm, S.; Brückel, T.
Bringing Neutrons to the User - The HBS Projekt for Accelerator Based Neutron Sources (P)
67. Ioffe, A.; Chen, C.; Danilov, D.; Vezhlev, E.; Notten, P.; Eichel, R.-A.; Mattauch, S.; Brückel, T.
Neutron Depth Profiling at a focused neutron beam to study Li-ion transport in thin-film batteries (P)
68. Maraytta, N.; Hutanu , V.; Skourski, Y.; Voigt, J.; Friese, K.; Perßon, J.; Brückel, T.
Magnetization and Magnetocaloric Effect in $MnFe_4Si_3$
69. Mattauch, S.; Koutsioumpas, A.; Pütter, S.; Syed Mohd, A.; Babcock, E.; Salhi, Z.; Ioffe, A.; Brückel, T.
The high intensity reflectometer of the JCNS: MARIA (P)
70. Pecanha Antonio, V.; Su, Y.; Feng, E., Brückel, T.
Frustration in Sm-based pyrochlores (P)

71. Qdemat, A.; Kentzinger, E.; Brückel, T.; Rücker, U.
    Nanoscience crystallography at a high brilliance laboratory X-ray diffractometer: from mesoscopic to interatomic length scales (P)
72. Qdemat, A.; Kentzinger, E.; Xu, J.; Portale, G.; Ganeva, M.; Mattauch, S.; Buitenhuis, J.; Dresen, D.; Disch, S.; Sun, X.; Petracic, O.; Rücker, U.; Brückel, T.
    The structural and magnetic properties of ordered arrangements of magnetic nanoparticles (P)
73. Rücker, U.; Voigt, J.; Mauerhofer, E.; Zakalek, P.; Böhm, S.; Cronert, T.; Gutberlet, T.; Brückel, T.
    Instrumentation for compact High Brilliance Neutron Source (P)
74. Sarkar, A.; Brückel, T.
    Growth and characterization of Fe_3O_4/Nb:$SrTiO_3$ heterostructure (P)
75. Schmidt, W.; Schmalzl, K.; Raymond, S.; Brückel, T.
    JCNS@ILL: News and progress on IN12 (P)
76. Schöffmann, P.; Pütter, S.; Schubert, J.; Zander, W.; Waschk, M.; Vezhlev, E.; Zakalek, P.; Brückel, T.
    Morphology and crystallinity of $Sr_xCo_yO_z$ films at different growth conditions and stoichiometry (P)
77. Stellhorn, A.; Sarkar, A.; Kentzinger, E.; Waschk, M.; Schöffmann, P.; Fu, Z.; Pipich, V.; Syed Mohd, A.; Mattauch, S.; Brückel, T.
    Interface effects in superconductor-ferromagnet heterostructures (P)
78. Violini, N.; Voigt, J.; Orecchini, A.; Brückel, T.; Koenen, M.; Kämmerling, H.; Kozielewski, T.; Sacchetti, F.
    T-REX, a bi-spectral chopper spectrometer for the ESS (P)
79. Waschk, M.; Voigt, J.; Zakalek, P.; Barthel, J.; Brückel, T.
    Influence of growth on interface structure and magnetism in $La_{1/3}Sr_{2/3}FeO_3$/$La_{2/3}Sr_{1/3}MnO_3$ heterostructures (P)
80. Zakalek, P.; Doege, P.; Baggemann, J.; Böhm, S.; Cronert, T.; Voigt, J.; Rücker, U.; Mauerhofer, E.; Gutberlet, T.; Brückel, T.
    The production and moderation of neutrons for a High Brilliance Neutron Source (P)

Neutronenpraktikum (FZ Jülich)

81. A Neutron Primer: Elastic Scattering and the properties of the Neutron (V)
82. Applications of neutron scattering - an overview (V)
83. Introduction: Neutron Scattering in Contemporary Research (V)

2017

HBS Workshop (Unkel)

84. Status of the HBS Project (V)

JAMIE Workshop (FZ Jülich)

85. Accelerator-based neutron source (HBS) (V)

JCNS-Workshop "Trends and Perspectives in Neutron Scattering" (Tutzing)

86. Josten, E.; Glavic, A.; Meertens, D.; Wetterskog, E.; Bergström, L.; Brückel, T.; Linder, J.
    Magnetic nanomaterials (V)
87. Kentzinger, E.; Brückel, T.
    Polarized GISANS from lateral correlations of the spin misalignment (P)
88. Pütter, S.; Syed Mohd, A.; Brückel, T.
    Aside from neutron instruments: thin film fabrication by molecular beam epitaxy at the Jülich Centre for Neutron Science (V)
89. Qdemat, A.; Kentzinger, E.; Ganeva, M.; Buitenhuis, J.; Xu, J.; Portale, G.; Dresen, D.; Disch, S.; Moers, J.; Sun, X.; Petracic, O.; Rücker, U.; Brückel, T.
    The spin structure of highly ordered arrangement of magnetic nanoparticles (V)
90. Schöffmann, P.; Pütter, S.; Syed Mohd, A.; Brückel, T.
    Pre-characterization of thin film samples by atomic and magnetic force microscopy (P)
91. Stellhorn, A.; Schröder, S.; Abuladze, G.; Sarkar, A.; Kentzinger, E., Brückel, T.
    Interactions between superconductor-ferromagnet thin films (P)
92. Syed Mohd, A.; Pütter, S.; Mattauch, S.; Koutsioumpas, A.; Brückel, T.
    Connecting MARIA with the MBE system: Polarized Neutron Reflectivity of thin Co films in UHV conditions using portable transport chamber (V)
93. Vezhlev, E.; Ioffe, A.; Mattauch, S.; Brückel, T.; Chen, C.; Danilov, D. L.; Eichel, R.-A.; Notten, P.
    Neutron Depth Profiling at a focused neutron beam to study Li-ion transport in thin-film batteries (V)
94. Waschk, M.; Voigt, J.; Brückel, T.
    Interface phenomena in La1/3Sr2/3FeO3/La2/3Sr1/3MnO3 heterostructures (P)

KfB-Perspektivenworkshop (Darmstadt)

95. Research with Neutrons: Towards a High Brilliance Neutron Source (V)

Neutronenpraktikum (FZ Jülich)

96. Applications of neutron scattering - an overview (V)
97. Introduction: Neutron Scattering in Contemporary Research (V)
98. Neutron Primer (V)

Scientific Evaluation of the Research Field Matter (Forschungszentrum Jülich)

99. Jülich Centre for Neutron Science JCNS (V)
100. Jülich Centre for Neutron Science JCNS: JCNS-2: Quantum Materials and Collective Phenomena (V)
101. Jülich Centre for Neutron Science JCNS: User Facility LK II (V)

102. Feng, E.; Pecanha Antonio, V.; Su, Y.; Brückel, T.
Quantum Magnetism in Geometrically Frustrated Systems (P)
103. Kentzinger, E.; Rücker, U.; Qdemat, A.; Buitenhuis, J.; Brückel, T.
High Brilliance Laboratory Diffractometer for (GI)SAXS (P)
104. Petracic, O.; Schmitz, B.; Kentzinger, E., Sun, X.; Waschk, M.; Müller, Th.; Angst, M.; Brückel, T.
The MPMS, PPMs, DynaCool systems: Macroscopic physical properties (P)
105. Qdemat, A.; Smik, M.; Buitenhuis, J.; Ganeva, M.; Mattauch, S.; Perßon, J.; Portale, G.; Rücker, U.; Sun, X.; Volkmann, E.; Wilbs, G.; Xu, J.; Kentzinger, E.; Petracic, O.; Brückel, T.
Magnetic Correlations in 2d and 3d ordered nanoparticle assemblies (P)
106. Sarkar, A.; Waschk, M.; Stellhorn, A.; Kentzinger, E.; Brückel, T.
Heterostructures of complex oxides and metal thin films prepared with molecular beam epitaxy (P)
107. Stellhorn, A.; Sarkar, A.; Schröder, S.; Abuladze, G.; Waschk, M.; Schöffmann, P.; Fu, Z.; Pipich, V.; Kentzinger, E.; Brückel, T.
Interface effects in superconductor-ferromagnet heterostructures (P)
108. Sun, X.; Cattaneo, M.; Klapper, A.; Su, Y.; Nemkovskiy, K.; Bauer, H.; Köhler, O.; Schilmann, A.; Tremel, W.; Smik, M.; Petracic, O.; Brückel, T.
Experimental Studies and Monte-Carlo simulations of magnetic nanoparticles (P)
109. Violini, N.; Voigt, J.; Brückel, T.; Babcock, E.; Salhi, Z.; Orecchini, A.; Tozzi, P.; Paciaroni, A.; Sacchetti, F.; Zanatta, M.
T-REX: A Bispectral Chopper Spectrometer at the European Spallation Source (P)

2016

Deutsche Neutronenstreutagung (Universität Kiel)

110. The HBS Project: A High Brilliance Neutron Source (V)
111. Cronert, T.; Dabruck, J. P.; Zakalek, P.; Klaus, M.; Beßler, Y.; Rücker, U.; Lange, C.; Butzek, M.; Hansen, W.; Nabbi, R.; Brückel, T.
Low dimensional thermal and cold finger moderator for the High Brilliance Neutron Source Jülich (P)
112. Feng, E.; Su, Y.; Wolf, T.; Brückel, T.
Neutron Scattering Investigation of Rare Earth Pyrochlore Iridates and Hafnates (P)
113. Feoktystov, A.; Frielinghaus, H.; Appavou, M.-S.; Pipich, V.; Babcock, E.; Salhi, Z.; Hanslik, R.; Engels, R.; Kemmerling, G.; Brandl, G.; Kleines, H.; Ioffe, A.; Richter, D.; Brückel, T.
Upgrade of the KWS-1 Small-Angle Neutron Scattering Instrument (P)
114. Fu, Z.; Xiao, Y.; Nair, H. S.; Senyshyn, A.; Pomjakushin, V.; Feng, E.; Su, Y.; Jin, W.; Brückel, T.
Magnetic structures and magnetoelastic coupling of Fe-doped hexagonal manganites $LuMn_{1-x}Fe_xO_3$ ($0 \leq x \leq 0.3$) (P)
115. Jin, W.; Xiao, Y.; Su, Y.; Nandi, S.; Meven, M.; Sazonov, A. P.; Nisbet, G.; Demirdis, S.; Feng, E.; Brückel, T.
Magnetism in $Eu(Fe_{1-x}Ir_x)_2As_2$ Single Crystals: Complementary Neutron and X-Ray Studies (P)
116. Kentzinger, E.; Koutsioumpas, A.; Mattauch, S.; Babcock, E.; Salhi, Z.; Pospelov, G.; van Herck, W.; Rücker, U.; Brückel, T.
Depth-resolved investigation of structural and magnetic correlations in a polarizing supermirror by GISANS with polarization analysis (P)
117. Radulescu, A.; Szekely, N.; Appavou, M.-S.; Brandl, G.; Drochner, M.; Kemmerling, G.; Ossovyi, V.; Staringer, S.; Vehres, G.; Ioffe, A.; Brückel, T.
A New Multi-MHz Detection System Operational at KWS-2 High-Intensity SANS Diffractometer of the JCNS at MLZ (P)
118. Schmidt, W.; Schmalzl, K.; Raymond, S.; Brückel, T.
Advanced neutron optics on the new IN12 (P)
119. Smik, M.; Volkmann, E.; Wilbs, G.; Koutsioumpas, A.; Mattauch, S.; Kentzinger, E.; Perßon, J.; Rücker, U.; Petracic, O.; Brückel, T.
Investigation of Magnetic Correlations in Nanoparticle Supercrystals Using Small Angle Neutron Scattering (P)
120. Su, Y.; Nemkovskiy, K.; Demirdis, S.; Schweika, W.; Ioffe, A.; Brückel, T.
Recent developments at DNS, diffuse neutron scattering spectrometer with polarization analysis at MLZ (P)
121. Vezhlev, E.; Ioffe, A.; Mattauch, S.; Ossovyi, V.; Staringer, S.; Brückel, T.
Neutron Depth Profiling at the High Intensity Focused Beam of Reflectometer MARIA (P)
122. Violini, N.; Voigt, J.; Orecchini, A.; Brückel, T.; Babcock, E.; Paciaroni, A.; Sacchetti, F.; Salhi, Z.; Zanatta, M.
T-REX: Time-of-flight Reciprocal space Explorer, the bispectral direct geometry chopper spectrometer at the ESS (P)
123. Xiao, Y.; Kumar, C. M. N.; Nandi, S.; Su, Y.; Jin, W.; Fu, Z.; Faulhaber, E.; Schneidewind, A.; Brückel, T.
Spin-wave and Electromagnon Dispersions in Multiferroic $MnWO_4$ as Observed by Neutron Spectroscopy (P)
124. Zakalek, P.; Cronert, T.; Dabruck, J. P.; Herold, C.; Nalbandyan, A.; Nabbi, R.; Prasuhn, D.; Bai, M.; Rücker, U.; Brückel, T.
Comparison of neutron fluxes produced by proton and deuteron beams on a Be target: A planned experiment (P)
125. Zakalek, P.; Glavic, A.; Schubert, J.; Weber, A.; Brückel, T.
Emergent Single Magnetic State in Mixed Valende Manganite Heterostructures (P)

HBS Workshop (Unkel)

126. Status of the HBS Project (V)

MML Workshop (DESY)

127. Neutrons for Research on Condensed Matter (V)
128. Biniskos, N.; Schmalzl, K.; Raymond, S.; Nemkovski, K.; Voigt, J.; Hering, P.; Perßon, J.; Bourdarot, F.; Bossak, A.; Souliou, S.-M.; Kajimoto, R.; Iida, K.; Brückel, T.
Inelastic neutron scattering on the magnetocaloric compound $MnFe_4Si_3$ (P)

129. Chikovani, M.; Friese, K.; Voigt, J.; Perßon, J.; Brückel, T.
Study of magnetic anisotropy in single crystalline $Mn_{1.9}Co_{0.1}Sb$ (P)
130. Schmalzl, K.; Biniskos, N.; Raymond, S.; Petit, S.; Perßon, J.; Brückel, T.
Unravelling the mechanism of the magnetocaloric effect in Mn_5Si_3 (P)
131. Wilbs, G.; Smik, M.; Kentzinger, E.; Perßon, J.; Rücker, U.; Petracic, O.; Mattauch, S.; Brückel, T.
Fabrication, structure and magnetic behavior of large three-dimensional nanoparticle supercrystals (P)
132. Y. Xiao, C.M.N. Kumar, S. Nandi, Y. Su, W.T. Jin, Z. Fu, E. Faulhaber, A. Schneidewind, Th. Brückel
Spin-Wave and Electromagnon Dispersions in Multiferroic MnWO4 as Observed by Neutron Spectroscopy (P)

Neutronenpraktikum (FZ Jülich)

133. Applications of neutron scattering - an overview (V)
134. Introduction: Neutron Scattering in Contemporary Research (V)
135. Neutron Primer (V)

The Jülich Centre for Neutron science - A Ten-Year Success Story (FZ Jülich)

136. The High Brilliance Neutron Source Project (V)

2015

European Conference on Neutron Scattering ECNS (Zaragoza, Spanien)

137. T. Cronert, J. P. Dabruck, P.-E. Doege, Y. Beßler, U. Rücker, C. Lange, M. Butzek, W. Hansen, R. Nabbi, T. Brückel
High brilliant thermal and cold moderator for the HBS neutron source Jülich (P)

HBS Workshop (Unkel)

138. The HBS Project (V)

Neutronenpraktikum (FZ Jülich)

139. Applications of neutron scattering - an overview (V)
140. Introduction: Neutron Scattering in Contemporary Research (V)
141. Neutron Primer (V)

2014

Deutsche Tagung für Forschung mit Synchrotronstrahlung (Bonn)

142. P. Hering, K. Friese, J. Voigt, T. Brückel, A. Shenyshyn, N. Aliouane, A. Grzechnik
Study of the magnetocaloric effect in MnFe4Si3 (P)
143. Schmalzl K., Schmidt W., Raymond S., Brückel T.
IN12: The newly upgraded cold neutron three-axis spectrometer at the ILL (P)
144. Sun, X.; Klapper, A.; Su, Y.; Nemkovskiy, K.; Wildes, A.; Bauer, H.; Köhler, O.; Schilmann, A.; Tremel, W.; Petracic, O.; Brückel, T.
Spin structure of MnO and FePt@MnO nanoparticles (P)

JCNS-Kolloquium (FZ Jülich)

145. JCNS Instrumentation Highlights (V)

JCNS-Workshop 201; Trends and Perspectives in Neutron Scattering "From Spallation to Continuous Sources: a Positive Feedback on Neutron Instrumentation" (Tutzing)

146. Feoktystov, A.; Frielinghaus, H.; Di, Z.; Jaksch, S.; Appavou, M.-S.; Kohnke, T.; Staringer, S.; Heiderich, M.; Hanslik, R.; Kleines, H.; Ioffe, A.; Richter, D.; Brückel, T.
KWS-1 high resolution SANS instrument at JCNS: current status (P)
147. Schmidt, W.; Schmalzl, K.; Raymond, S.; Brückel, T.
Advanced neutron optics on the new IN12 (P)
148. Schweika, W.; Violini, N.; Babcock, E.; Meissner, M.; Henry, P. F.; Lieutenent, K.; Nekrassov, D.; Zendler, C.; Houben, A.; Jacobs, P.; Svensson, G.; Zou, X.; Hedin, N.; Johnsson, M.; Grins, J.; Salazar-Alvarez, G.; Einarsrud, M.-A.; Blake, G.; Palstra, T. T. M.; Kremer, R. K.; Hermann, R.
DREAM: Diffraction Resolved by Energy and Angle Measurements (P)
149. Violini, N.; Voigt, J.; Brückel, T.; Babcock, E.; Salhi, Z.
T-REX: A Time-of-Flight Reciprocal Space Explorer for the Future ESS (P)
150. Voigt, J.; Violini, N.; Brückel, T.
Using Fermi choppers for spallation source based chopper spectrometers (P)

Neutronenpraktikum (FZ Jülich)

151. Applications of neutron scattering - an overview (V)
152. Introduction: Neutron Scattering in Contemporary Research (V)

2013

International Conference on Neutron Scattering (Edinburgh, Schottland)

153. Petracic, O.; Josten, E.; Glavic, A.; Rücker, U.; Ambaye, H.; Lauter, V.; Mattauch, S.; Klapper, A.; Wetterskorg, E.; Salazar-Alvarez, G.; Bergström, L.; Brückel, T.
Structural and magnetic correlations in self-assembled nanoparticle superlattices (P)

154. Pütter, S.; Steffen, A.; Schneider, H.; Weber, A.; Mattauch, S.; Brückel, T.
An oxide MBE system as a user instrumebnt for quasi in-situ neutron reflectometry studies (P)
155. Schmalzl, K.; Schmidt, W.; Raymond, S.; Brückel, T.
IN12: The newly upgraded Cold Neutron Three-Axis Spectrometer at the ILL
156. Schmidt, W.; Schmalzl, K.; Raymond, S.; Brückel, T.
Advanced neutron optics for the new IN12 - Simulations and first results (P)
157. Steffen, A.; Pütter, S.; Mattauch, S.; Schubert, J.; Zander, W.; Brückel, T.
Depth-dependent distribution of magnetic moments in $[La_{2/3}Sr_{1/3}]n\pm;MnnO_3n\pm1/SrTiO_3$ (P)
158. Sun, X.; Klapper, A.; Koehler, O.; Bauer, H.; Tremel, W.; Nemkovskiy, K.; Su, Y.; Petracic, O.; Brückel, T.
Magnetic behaviour of MnO nanoparticles: a detailed study using magnetometry and neutron scattering (P)
159. Voigt, J.; Violini, N.; Janaschke, S.; Salhi, Z; Babcock, E.; Brückel, T.
Polychromatic chopper spectrometers for long pulse neutron sources (P)

JCNS Workshop 2013 "Trends and Perspectives in Neutron Scattering: Magnetism and Correlated Electron Systems"

160. A. Feoktystov, M. Avdeev, N. Matoussevitch, A. Ioffe, T. Brückel
Detailed SANS contract variation on toluene-based Co ferrofluid (P)
161. Z. Fu, Y. Zheng, Y. Xiao, S. Bedanta, A. Senyshyn, G. Simeoni, Y. Su, U. Rücker, P. Kögerler, T. Brückel
Coexistence of novel magnetic orders and spin-glass-like phase in pyrochlore antiferromagnet $Na_3Co(CO_3)_2Cl$ (V)
162. A. Klapper, X. Sun, O. Petracic, S. Disch, O. Köhler, H. Bauer, A.-M. Schilmann, T. Brückel
Structural and magnetic properties of FePt@MnO heterodimer nanoparticles and their self-assembly (P)
163. H. Nair, Z. Fu, K. Nemkovskiy , J. Voigt, K. Schmalzl, Y. Su, T. Brückel
The true magnetic ground state of frustrated A-site spinels: An approach using polarized neutrons (V)
164. S. Nandi, W. Jin, Y. Xiao, Y. Su, S. Price, D. K. Shukla, S. Francoual, J. Strempfer, H. S. Jeevan, P. Gegenwart,. Th. Brückel
Field-induced spin reorientation in $EuFe_2(As_{0.85}P_{0.15})_2$ revealed by resonant magnetic x-ray scattering (P)
165. S. Nandi, Y. Xiao, L. C. Chapon, Y. Su, W. Jin, T. Chatterji, T. Wolf, T. Brückel
Understanding magnetism in $K_{0.8}Fe_{1.6}Se_2$ (V)
166. K. Nemkovskiy,Y. Su, W. Schweika, A. Ioffe, T. Brückel
DNS - a versatile diffuse neutron scattering spectrometer with polarization analysis at FRM II: towards enhanced count rate and extended Q-range (P)
167. S. Pütter, A. Steffen, T. Brückel
Fabrication of transition metal oxide thin films by molecular beam epitaxy: New offer for users of the Heinz Maier-Leibnitz Zentrum at the FRM II (P)
168. M. Schmitz, A. Weber, D. Schumacher, P. Zakalek, M. Waschk, T. Brückel
Electrically induced magnetic transition at the LSMO/BTO interface (P)
169. Y. Su, Y. Xiao, L.P. Regnault, K. Schmalzl, S. Price, S. Nandi, W .T. Jin, W. Schmidt, T. Wolf, C. L. Zhang, P. C. Dai, T. Brückel
Magnetic anisotropy of low-energy spin excitations in iron pnictide superconductors (V)
170. N. Violini, J. Voigt, T. Brückel, E. Babcock, Z. Salhi
T-REX: A Time-of--Flight Reciprocal space Explorer for the future ESS source (P)
171. Y. Xiao, S. Nandi, Y. Su, S. Price, H.-F. Li, Z. Fu, W. Jin, A. Piovano, A. Ivanov, K. Schmalzl, W. Schmidt, T. Chatterji, Th. Wolf, T. Brückel
Magnetic anisotropy energy gap and low-energy spin wave excitations in the antiferromagnetic block phase of $K_2Fe_4Se_5$ (V)
172. M. Waschk, A. Weber, P. Zakalek, A. Steffen, M. Schmitz, T. Brückel
Interface induced magnetism in $[LaMnO_3/SrMnO_3]_N$ heterostructures (P)

Neutronenpraktikum (FZ Jülich)

173. Applications of neutron scattering - an overview (V)
174. Introduction: Neutron Scattering in Contemporary Research (V)

2012

Deutsche Neutronenstreutagung (FZ Jülich)

175. Feoktystov, A. V.; Avdeev, M. V.*; Matoussevitch, N.*; Ioffe, A.; Brückel, T.
Detailed SANS contrast variation on toluene-based Co ferrofluid (P)
176. Fu, Z.; Zheng, Y.*; Xiao, Y.; Bedanta, S.*; Senyshyn, A.*; Simeoni, G.*; Su, Y.; Rücker, U.; Kögerler, P.; Brückel, T.
Coexistence of novel magnetic orders and spin-glass-like phase in pyrochlore antiferromagnet $Na_3Co(CO_3)_2Cl$ (P)
177. Jacobs, P.*; Houben, A.*; Schweika, W.; Walter, J.*; Conrad, H.; Müller, P.*; Hansen, B. T.*; Brückel, T.; Dronskowski, R.*
POWTEX - High-Intensity Neutron TOF Diffractometer (P)
178. Josten, E.; Rücker, U.; Mattauch, S.; Glavic, A.; Klapper, A.; Kentzinger, E.; Petracic, O.; Ambaye, H.*; Lauter, V.*; Andreasen, J. W.*; Brauweiler-Reuters, E.*; Meertens, D.*; Wetterskog, E.*; Salazar-Alvarez, G.*; Bergström, L.*; Brückel, T.
Structural and magnetic correlations in 3D ordered nanoparticle assemblies (V)
179. Mattauch, S.; Rücker, U.; Korolkov, D.; Babcock, E.; Ioffe, A.; Brückel, T.
MARIA - The high-intensity polarized neutron reflectometer of JCNS (P)
180. Nandi, S.; Su, Y.; Xiao, Y.; Price, S.; Wang, X. F.*; Chen, X. H.*; Herrero-Martin, J.*; Mazzoli, C.*; Walker, H. C.*; Paolasini, L.*; Francoual, S.*; Shukla, D. K.*; Strempfer, J.*; Chatterji, T.*; Kumar, C. M. N.; Mittal, R.*; Ronnow, H. M.*; Rüegg, Ch.*; McMorrow, D. F.*; Schmidt, W.; Brückel, T.
Strong coupling of Sm and Fe magnetism in SmFeAsO (P)

181. Pipich, V.; Fu, Z.; Korolkov, D.; Radulescu, A.; Frielinghaus, H.; Ioffe, A.; Brückel, T.; Richter, D.
Focusing mirror VSANS diffractometer KWS-3: merging nano- and micrometer worlds (P)
182. Schmidt, W.; Schmalzl, K.; Raymond, S.*; Brückel, T.
The upgrade of IN12 - Simulations and first neutron measurements (P)
183. Schmitz, M.; Kentzinger, E.; Weber, A.; Rücker, U.; Josten, E.; Brückel, T.
Mesoscopic magnetic structure and competing anisotropies in laterally patterned Fe/Cr-layer systems (P)
184. Schweika, W.; Violini, N.; Lieutenant, K.*; Houben, A.*; Henry, P. F.*
Bispectral powder diffraction at the long pulse source ESS (P)
185. Su, Y.; Schweika, W.; Ioffe, A.; Brückel, T.
DNS - A versatile diffuse neutron scattering spectrometer with polarization analysis at FRM II (P)
186. Violini, N.; Voigt, J.; Brückel, T.; Babcock, E.; Salhi, Z.; Deen, P.P.*
Development of a multi-band direct geometry chopper spectrometer for the future European Spallation Source (P)
187. Voigt, J.; Nemkovski, K.; Babcock, E.; Salhi, Z.; Brückel, T.
Progress report on the novel time-of-flight spectrometer with polarization analysis TOPAS (P)
188. Walters, A.*; Keller, T.*; Boeri, L.*; Demler, E.*; Wolf, T.*; Su, Y.; Price, S.; Xiao, Y.; Brückel, T.; Keimer, B.*
A neutron resonance spin-echo study of the symmetry of the order parameter in an iron-based superconductor (V)
189. Weber, A.; Pütter, S.; Schmitz, M.; Waschk, M.; Brückel, T.
Towards novel functionalities with metal and complex oxide thin films prepared with an oxygen assisted molecular beam epitaxy (P)
190. Xiao, Y.; Su, Y.; Nandi, S.; Price, S.; Brückel, T.
Phase transitions tuned by magnetic field, pressure and chemical doping in $EuFe_2As_2$ (P)
191. Zakalek, P.; Rücker, U.; Schumacher, D.; Mattauch, S.; Brückel, T.
Induced magnetisation in Pd/Fe-Multilayers (P)

FZJ-CEA Strategy Workshop for FP7 and Horizon 2020 (FZ Jülich)

192. Correlated Electron Systems: From Bulk to Nanostructures (V)

IFF Spring School (FZ Jülich)

193. 100 years of Scattering and Beyond (V)

Interim Review (2009 - 2011) at JCNS (Garching)

194. JCNS: Science, instrument development and user operation (V)
195. Research at JCNS-2: From magnetism to correlated electron systems (V)

Nature Conference (Aachen)

196. Glavic, A.; Voigt, J.; Schierle, E.; Weschke, E.; Brückel, T.
The next step on the spiral - $TbMnO_3$ thin films (V)
197. Josten, E.; Wetterskog, E.*; Meertens, D.*; Rücker, U.; Salazar-Alvarez, G.*; Seeck, O.*; Boesecke, P.*; Schulli, T.*; Angst, M.; Hermann, R.; Bergström, L.*; Brückel, T.
Self assembled iron oxide nanoparticles - from a 2d powder to a single mesocrystal (V)
198. Mattauch, S.; Rücker, U.; Korolkov, D.; Brückel, T.
MARIA: The modern neutron reflectometer of the JCNS optimised for small sizes and thin layers (V)
199. Pütter, S., Steffen, A.; Waschk, M.; Weber, A.; Mattauch, S.; Brückel, T.
An oxide MBE system for quasi in-situ neutron reflectometry studies (P)
200. Schumacher, D.; Steffen, A.; Voigt, J.; Schubert, J.; Ambaye, H.*; Lauter, V.*; Freeland, J.; Brückel, T.
Scalable exchange bias in LSMO/STO thin films (V)
201. Xiao, Y.; Su, Y.; Nandi, S.; Price, S.; Brückel, T.
Field induced spin-reorientation and strong spin-charge-lattice coupling in $EuFe_2As_2$ (P)

Neutronenpraktikum (FZ Jülich)

202. Applications of neutron scattering - an overview (V)
203. Introduction: Neutron Scattering in Contemporary Research (V)

2011

471. WE-Seminar "Functional Magnetoelectric Oxide Heterostructures" - Dreikönigstreffen (Bad Honnef)

204. Glavic, A.; Voigt, J. ; Schubert, J.; Brückel, T.
Magnetic order in $TbMnO_3$-$LaCoO_3$ superlattices (P)

KFN-ESS-Brainstorming-Meeting (Düsseldorf)

205. Workpackage I1: "Spectroscopy" (V)

Neutronenpraktikum (FZ Jülich)

206. Applications of neutron scattering - an overview (V)
207. Introduction: Neutron Scattering in Contemporary Research (V)

PNI Workshop Magnetism (Berlin)

208. "Magnetism Research" at the Jülich Centre for Neutron Science (V)

2010

European Crystallographic Meeting (Darmstadt)

209. Disch, S.; Wetterskog, E.*; Salazar-Alvarez, G.*; Hermann, R.; Bergström, L.*; Brückel, T.
Oriented supercrystals of anisotropic iron oxide nanoparticles Oriented supercrystals of anisotropic iron oxide nanoparticles (P)

FRM II User Meeting (Garching)

210. Su, Y.; Schweika, W.; Mittal, R.; Borghols, W.; Ioffe, A.; Brückel, T.
DNS – A diffuse neutron scattering spectrometer with polarization analysis at FRM II (P)

JCNS Workshop "Trends and Perspectives in Neutron Scattering: Magnetism and Correlated Electron Systems" (Bernried)

211. Su, Y.; Schweika, W.; Mittal, R.; Borghols, W.; Ioffe, A.; Brückel, T.
DNS – A diffuse neutron scattering spectrometer with polarization analysis at FRM II (P)

Neutronenpraktikum des Institut für Festkörperforschung (FZ Jülich)

212. Applications of neutron scattering (V)
213. Correlated electrons (V)

Neutrons for Global Energy Solutions (Bonn)

214. Disch, S.; Wetterskog, E.*; Hermann, R.; Bergström, L.*; Brückel, Th.
Magnetization distribution in iron oxide nanoparticles (P)
215. Price, S.; Su, Y.; Xiao, Y.; Nandi, S.; Brückel, Th.
Magnetic neutron scattering on iron arsenide high TC superconductors (P)
216. Xiao, Y.; Su, Y.; Meven, M.*; Price, S.; Thamizhavel, A.*; Brückel, Th.
Magnetic structure of EuFe2As2 determined by single crystal neutron diffractionmanagement (P)
217. Voigt, J.; Nemkovskiy, K.; Babcock, E.; Brückel, Th.
TOPAS, the new JCNS time-of-flight spectrometer at FRM II (P)

2009

International Conference on Neutron Scattering (Knoxville, USA)

218. Brückel, T.; Voigt, J.; Ioffe, A.; Manoshin, S.
Diffractometer for non-equilibrium states of condensed matter (P)
219. Houben, A.*; Schweika, W.; Walter, J.*; Hansen, B. T.*; Brückel, T.; Dronskowski, R.*
POWTEX - The new high-intensity neutron TOF diffractometer at the Munich Research Reactor (P)
220. Mittal, R.; Pintschovius, L.*; Lamago, D.*; Heid, R.*; Bohnen, K.-P.*; Reznik, D.*; Chaplot, S. L.*; Su, Y.; Kumar, N.; Dhar, S. K.*; Thamizhavel, A.*; Brückel, T.
Anomalous phonons in $CaFe_2As_2$ explored by inelastic neutron scattering (V)
221. Schmalzl, K.; Schmidt, W.; Raymond, S.*; Feilbach, H.; Bussmann, K.; Brückel, T.
IN12: The cold neutron three axis spectrometer at the ILL (P)
222. Schmidt, W.; Andersen, K. H.; Bigault, T.; Brückel, T.
A polarizing guide for the upgraded IN12 spectrometer (V)

JCNS Workshop "OFF-Spec" 2009 (Feldafing)

223. Josten, E.; Rücker, U.; Gilles, S.; Brückel, T.
Magnetic correlations in laterally structured multilayers (P)
224. Korolkov, D.; Willner, L.; Busch, P.; Kentzinger, E.; Mattauch, S.; Brückel, T.
The analysis of self-organized nanostructures with Grazing Incidence Small Angle Scattering (V)
225. Mattauch, S.; Rücker, U.; Korolkov, D.; Babcock, E.; Ioffe, A.; Brückel, T.
The new high flux polarised neutron reflectometer MARIA at JCNS (V)
226. Pfuhl, E.; Voigt, J.; Mattauch, S.; Korolkov, D.; Brückel, T.
Proximity effects n Er/Tb multilayers (P)

Neutronenpraktikum des Institut für Festkörperforschung (FZ Jülich)

227. A neutron primer (V)
228. Applications of neutron scattering (V)
229. Correlated electrons (V)
230. Welcome (V)

Polarized Neutrons and Synchrotron X-rays for Magnetism (Bonn)

231. Brückel, T.; Voigt, J.; Ioffe, A.; Manoshin, S.
Diffractometer for non-equilibrium states of condensed matter (P)
232. Disch, S.; Hermann, R.; Sager, W.; Brückel, T.
Not so small angle scattering with polarization analysis: Towards the magnetic form factor of nanoparticles (P)
233. de Groot, J.; Kentzinger, E.; Voigt, J.; Goukassov, A.*; Gillon, B.*; Brückel, T.
Magnetization density in TbMnO3 single crystals (P)
234. Herrero-Martin, J.*; Paolasini, L.*; Mazzoli, C.*; Scagnoli, V.*; Mittal, R.; Brückel, T.; Su, Y.
Study of magnetic correlations on the iron pnictide EuFe2As2 by RXS (P)
235. Josten, E.; Rücker, U.; Brückel, T.
Magnetic correlations in laterally patterned magnetic multilayers (P)
236. Kentzinger, E.; Mattauch, S.; Korolkov, D.; Rücker, U.; Ioffe, A.; Toperverg, B.; Brückel, T.
Probing lateral correlations in magnetic nanostructures by polarized neutron scattering under grazing incidence (P)
237. Kumar, C. M. N.; Xiao, Y.; Su, Y.; Perßon, J.; Brückel, T.
Magnetic structure of hexagonal DyMnO3 (P)

238. Mattauch, S.; Rücker, U.; Fracassi, V.; Schmitz, R.; Daemen, J.; Babcock, E.; Ioffe, A.; Brückel, T.
MARIA - The new high-intensity polarized neutron reflectometer of JCNS (P)
239. Pfuhl, E.; Voigt, J.; Brückel, T.
Proximity effects in Er/Tb multilayers (P)
240. Rücker, U.; Toperverg, B.*; Ott, F.*; Brückel, T.
Zeeman splitting revisited - polarized neutron reflectivity in high magnetic fields (P)
241. Schumacher, D.; Mattauch, S.; Rücker, U.; Brückel, T.
2-Dimensional magnetism of Fe-Monolayers in Pd (P)
242. Su, Y.; Schweika, W.; Mittal, R.; Harbott, P.; Küssel, E.; Bussmann, K.; Gossen, F.; Schmitz, B.; Skrobucha, M.; Möller, R.; Wagener, M.; Drochner, M.; Kleines, H.; Ioffe, A.; Brückel, T.
DNS-Diffuse neutron scattering with polarization analysis (P)
243. Xiao, Y.; Su, Y.; Kumar, C. M. N.; Li, H.-F.; Mittal, R.; Perßon, J.; Senyshyn, A.*; Gross, K., Brückel, T.
Magnetic structure and orbital odering in KCrF3
244. Voigt, J.; Babcock, E.; Brückel, T.
Polarisation analysis for thermal time-of-flight spectroscopy (P)

2008

American Conference on Neutron Scattering (Santa Fe, USA)

245. Brückel, T.; Voigt, J.; Kentzinger, E.; Rücker, U.
Competing interactions and magnetic order in [Er/Tb] multilayers (P)

Deutsche Neutronenstreutagung (Garching)

246. Houben, A.*; Schweika, W.; Walter, J.*; Conrad, H.; Klein, H.*; Leiss, B.*; Müller, P.*; Sowa, H.*; Voigt, J.; Hansen, B. T.*; Brückel, Th.; Dronskowski, R.*
POWTEX – The new High-Intensity Neutron TOF Diffractometer at FRM II (P)

International Workshop on Polarized Neutrons in Condensed Matter Investigations, PNCMI (Tokai, Japan)

247. Chang, L. J.*; Su, Y.; Schweika, W.; Brückel, T.; Chen, Y. Y.*; Jang, D. S.*; Liu, R. S.*
Neutron Polarization Analysis On The Multiferroic $TbMn_2O_5$ (P)
248. Lee, C.-H.*; Chang, H.-H.*; Su, H.-C.*; Wu, Y.-H.*; Hu, C.-W.*; Chang, L. J.*; Ioffe, A.; Bussmann, K.; Brückel, T.
Neutron Depolarization Study on the Magnetic Correlation Lengths of Nickel Ferrite with Different Packing Densities (P)
249. Voigt, J.; Prager, M.; Bussmann, K.; Kämmerling, H.; Heynen, A.; Brückel, T.
TOPAS, the future thermal time-of-flight spectrometer at the FRM II (P)

POWTEX-Workshop (RWTH Aachen)

250. Intention des Flugzeitneutronendiffraktometers POWTEX: Anwendungen Physik (V)

2007

ECNS (Lund, Schweden)

251. Busch, P.; Kentzinger, E.; Mattauch, S.; Frielinghaus, H.; Rücker, U.; Ioffe, A.; Brückel, T.; Richter, D.
Specular and off-specular scattering for the investigation of thin nanostructured films at the new high flux reactor FRM II (P)
252. Conrad, H.; Brückel, T.; Schweika, W.; Dronskowski, R.*; Müller, P.*; Houben, A.*
POWTEX - the high intensity time-of-flight powder diffractometer for FRM II (P)
253. Kentzinger, E.; Frielinghaus, H.; Rücker, U.; Ioffe, A.; Richter, D.; Brückel, T.
Probing nanoscale lateral correlations in magnetic nanostructures by polarized GISANS (P)
254. Paul, A.; Brückel, T.; Kentzinger, E.; Rücker, U.
Magnetization reversal with variation of anisotropy energies in exchange biased system (P)

Ferienschule des Institut für Festkörperforschung (FZ Jülich)

255. Atomic and magnetic structures in crystalline materials: neutron and x-ray scattering (V)

Midterm Evaluation "Condensed Matter Physics, PNI and Nanoelectronics" (FZ Jülich)

256. HGF-Program "Large Scale Facilities for Research with Photons, Neutrons and Ions"; PNI Helmholtz Field "Structure of Matter" (V)
257. Conrad, H.; Brückel, T.; Schweika, W.; Dronskowski, R.*; Müller, P.*; Houben, A.*
POWTEX - the high intensity time-of-flight powder diffractometer for FRM II (P)
258. Mattauch, S.; Rücker, U.; Ioffe, A.; Brückel, T.; Fracassi, V.; Schmitz, R.; Kleines, H.; Suxdorf, F.; Kämmerling, P.
MARIA; the new reflectometer of JCNS dedicated to magnetism and nanostructures (P)
259. Su, Y.; Schweika, W.; Küssel, E.; Gossen, F.; Schmitz, B.; Bussmann, K.; Mittal, R.; Skrobucha, M.; Möller, R.; Wagener, M.; Ioffe, A.; Brückel, T.
DNS - A versatile multi-detector time-of-flight spectrometer with polarization analysis (P)
260. Voigt, J.; Prager, M.; Kämmerling, H.; Heynen, A.; Vehres, G.; Brückel, T.
TOPAS, the new thermal time-of-flight spectrometer with polarisation analysis (P)

Neutronenpraktikum des Institut für Festkörperforschung (FZ Jülich)

261. A neutron primer (V)
262. Applications of neutron scattering (V)
263. Correlated electrons (V)

Neutronenstrahlen für angewandte Forschung im Bereich Materialentwicklung und Werkstofftechnik (RWTH Aachen)

264. Jülich Centre for Neutron Science (P)

2006

Heraeus-Seminar: Nanoscale Magnets - Top down meets bottem up (Bad Honnef)

265. Feygenson, M.; Pollmeier, K.; Sager, W.; Paul, A.; Brückel, T.
Cobalt nanoparticles synthesized in water-in-oil microemulsion (P)
266. 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 (P)
267. Korolkov, D.; Willner, L.; Schlachter, A.*; Kentzinger, E.; Frielinghaus, H.; Paul, A.; Brückel, Th.
Nanostructure fabrication using diblock-copolymers (P)

HGF-Workshop "Condensed Matter" (FZ Jülich)

268. Conrad, H.; Brückel, T.; Bussmann, K.; Chang, L.-J.; Ioffe, A.; Küssel, E.; Mueller, R.; Schmitz, B.
A New Thermal Neutron Spectrometer/Diffractometer (SV30) with Polarization Analysis at the Research Reactor FRJ-2 (P)
269. Paul, A.; Kentzinger, E.; Rücker, U.; Bürgler, D.; Brückel, T.
Field-dependent magnetic domain structure in antiferromagnetically coupled multilayers by polarized neutron scattering (P)
270. Paul, A.; Kentzinger, E.; Rücker, U.; Brückel, T.
Magnetization Reversal in Exchange Biased Multilayers with Field Direction (P)
271. Paul, A.; Kentzinger, E.; Rücker, U.; Brückel, T.
Symmetry and Asymmetry during Magnetization Reversal in Exchange Biased Multilayers and Bilayers (P)
272. Voigt, J.; Kentzinger, E.; Paul, A.; Rücker, U.; Brückel, T.
Competing magnetic order in [Er|Tb] superlattices (P)

ICMFS (Sendai, Japan)

273. Brückel, T.; Kentzinger, E.; Paul, A.; Rücker, U.
Laterial magnetic correlations in nanostructures (P)

ICM (Kyoto, Japan)

274. Brückel, T.; Kentzinger, E.; Paul, A.; Rücker, U.
Laterial magnetic correlations in nanostructures (P)

JCNS Symposium and European User Meeting (FZ Jülich)

275. Magnetism at JCNS (V)
276. Bedanta, S.*; Petracic, O.*; Chen, X.*; Kleemann, W.*; Sahoo, S.*; Kentzinger, E.; Rücker, U.; Paul, A:; Brückel,T.; Cardoso,S.*; Freitas,P.*
From modified superparamagnetism to collective magnetic states of ferromagnetic nanoparticles in the superspin limit (P)
277. 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 (P)
278. Feygenson, M.; Pollmeier, K.; Sager, W.; Paul, A.; Brückel, T.
Cobalt nanoparticles synthesized in water-in-oil microemulsion (P)
279. Gorelik, E.; Li, H.; Perßon, J.; Ioffe, A.; Brückel, T.
Highly doped complex manganites of rare-earth (P)
280. Korolkov, D.; Willner, L.; Schlachter, A.*; Kentzinger, E.; Frielinghaus, H.; Farle, M.*; Paul, A.; Brückel, T.
Nanostructure Fabrication Using Diblock-Copolymers (P)
281. Mattauch, S.; Rücker, U.; Kentzinger, E.; Brückel, T.
The new reflectometer of the JCNS at the FRM II (P)
282. Rücker, U.; Mattauch, S.; Ioffe, A.; Brückel, T.; Borchert, G.*
TREFF@NoSpec - Beamline for Polarized Neutron Reflectometry and Characterization of Neutron Optical Devices (P)
283. Schweika, W.; Su, Y.; Küssel, E.; Skrobucha, M.; Brückel, T.
The new DNS at Munich: a cold time-of-flight spectrometer for diffuse neutron scattering with full polarisation analysis (P)
284. Su, Y.; Perßon, J.; Meuffels, P.; Brückel, Th.
Investigation on structure and magnetic properties of $La_{1-x}Sr_xMnO_3$ (P)
285. Su, Y.; Schweika, W.; Perßon, J.; Brückel, T.
Unusual spin-wave excitations in “1/8”-doped $La_{1-x}Sr_xMnO_3$ (P)
286. Paul, A.; Kentzinger, E.; Rücker, U.; Brückel, T.
Magnetization Reversal in Exchange Biased Multilayers with Field Direction (P)
287. Paul, A.; Kentzinger, E.; Rücker, U.; Bürgler, D.; Brückel, T.
Field-dependent magnetic domain structure in antiferromagnetically coupled multilayers by polarized neutron scattering (P)
288. Paul, A.; Kentzinger, E.; Rücker, U.; Brückel, T.
Symmetry and Asymmetry during Magnetization Reversal in Exchange Biased Multilayers and Bilayers (P)
289. Voigt, J.; Prager, M.; Ioffe, A.; Brückel, T.
TOPAS, the Thermal time-of-flight spectrometer with Polarization analysis (P)

Neutronenpraktikum des Institut für Festkörperforschung (FZ Jülich)

290. Elastic Scattering from Many Body Systems (V)
291. Magnetism (V)
292. Properties of the neutron, elementary scattering processes (V)

PNCMI (Berlin)

293. Bedanta, S.*; Kentzinger, E.; Petracic, O.*; Kleemann, W.*; Rücker, U.; Paul, A.; Brückel, T.; Cardoso, S.*, Freitas, P. P.*
Polarized Neutron Reflectivity Studies on Discontinuous Metal Insulator Multilayers (P)
294. Kozhevnikov, S. V.*; Ott, F.*; Kentzinger, E.; Paul, A.
Enhanced off-specular scattering in magnetic neutron wave-guides (P)
295. Paul, A.; Braak, H.; Rata, D.; Schreiber, R.; Bürgler, D.; Grünberg, P.; Schneider, C. M.; Brückel, T.
Polarized Neutron Reflectivity of Dilute Magnetic Semiconductor Multilayers (P)
296. Paul, A.; Kentzinger, E.; Rücker, U.; Brückel, T.
Magnetization Reversal with Variation of the Ratio of the Anisotropy Energies in Exchange Bias Systems (P)

Wissenschaftlicher Programmbeirat „Kondensierte Materie, PNI und Nanoelektronik“ (FZ Jülich)

297. Large Scale Facilities for Research with Photons, Neutrons and Ions PNI - from FRJ-2 to JCNS (V)
298. Braak, H.; Paul, A.; Rata, A. D.; Schreiber, R.; Bürgler, D.; Grünberg, P.; Brückel, T.; Schneider, C. M.
Investigation of dilute magnetic semiconductor multilayers with polarised neutron reflectivity (P)
299. Li, H.; Perßon, J.; Meuffels, P.; Walter, J.; Skowronek, R.; Brückel, T .
Synthesis and complex phenomena in metal oxides (P)
300. Paul, A.; Kentzinger, E.; Rücker, U.; Brückel, T.; Bürgler, D.; Grünberg, P.
Polarized neutron scattering in magnetic multilayers (P)
301. Schweika, W.; Su, Y.; Küssel, E.; Bussmann, K.; Skrobucha, M.; Gossen, F.; Brückel, T.
The new DNS at FRM II Munich - diffuse neutron scattering (P)
302. Su, Y.; Li, H.; Nefedov, A.*; Zabel, H.*; Claessen, R.*; Wermeille, D.*; Perßon, J.; Schweika, W.; Brabers, V. A. M.*; Brückel, T.
Charge/orbital ordering in magnetite (P)

2005

CONTENT (ILL, Grenoble)

303. Voigt, J.; Prager, M.; Ioffe, A.; Brückel, Th.
Concept for a new thermal tof spectrometer with polarisation analysis TOPAS @ FRM II (P)

DPG-Tagung (Berlin)

304. Paul, A.; Kentzinger, E.; Rücker, U.; Brückel, Th.
Magnetisation reversal in exchange biased multilayers with field direction (P)

ICNS (Sydney, Australien)

305. Layer Resolved Magnetic Correlations in Nanostructures (V)

Ferienschule des Institut für Festkörperforschung (FZ Jülich)

306. Scattering Techniques II: SR Diffraction (V)

Neutronenpraktikum des Institut für Festkörperforschung (FZ Jülich)

307. Elastic Scattering from Many Body Systems (V)
308. Magnetism (V)
309. Properties of the neutron, elementary scattering processes (V)

2004

DN; Deutsche Neutronenstreutagung (Dresden)

310. Bedanta, S.*; Petracic, O.*; Kleemann, W.*; Kentzinger, E.; Rücker, U.; Paul, A.; Brückel, Th.; Cardoso, S.*; Freitas. P. P.*
Polarized Neutron Reflectivity Studies on Discontinuous Metal Insulator Multilayers (P)
311. Perspektiven der Forschung mit Neutronen in Deutschland (V)
312. Chang, L. J.; Schäfer, W.*; Jansen, E.*; Prager, M.; Emmanuelle, S.*; Monkenbusch, M.; Schweika, W.; Perßon, J.; Brückel, Th.
Neutron Scattering Studies on Pyrochlore $Ho_2Ru_2O_7$ (P)
313. Conrad, H.; Brückel, Th.; Bussmann, K.; Chang, L.-J.; 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
314. Feygenson, M.; Ziegenhagen, N.; Rücker, U.; Kentzinger, E.; Toperverg, B.; Brückel, Th.
X-ray and neutron scattering investigation of a laterally structured magnetic multilayer (P)
315. Kentzinger, E.; Rücker, U.; Toperverg, B.; Ott, F.*; Brückel, Th.
Layer-by-layer Investigation of the Magnetic Fluctuations in Polarizing Supermirrors (P)
316. Korolkov, D.; Willner, L.; Kentzinger, E.; Frielinghaus, H.; Busch, P.*; Paul, A.; Rücker, U.; Brückel, Th.
Grazing Incidence Small Angle Neutron Scattering from dPS-PB diblock copolymer films (P)

Neutronenpraktikum des Institut für Festkörperforschung (FZ Jülich)

317. Properties of the Neutron Elementary Scattering Processes; Elastic Scattering from Many Body Systems (V)
318. Magnetism (V)

2003

ECNS; 3rd European Conference on Neutron Scattering (Montpellier, Frankreich)

319. Chang, L.-J.; Mueller, R.; Appelt, S.*; Häsing, F. W.*; Ioffe, A.; Brückel, Th.
Progress of ^{3}He spin-exchange for neutron polarization in Jülich (P)
320. Ioffe, A.; Bussmann, K.; Dohmen, L.; Axelrod, L.*; Gordeev, G.*; Brückel, Th.
LAP-ND: a new neutron depolarization setup at FRJ-2 (P)

321. Kentzinger, E.; Dohmen, L.; Alefeld, B.; Rücker, U.; Stellbrink, J.*; Ioffe, A.; Richter, D.*; Brückel, Th.
KWS-; the New Focusing-Mirror Small Angle Neutron Scattering Instrument and Reflectometer at Jülich (P)
322. Massalovitch, S.; Ioffe, A.; Schlapp, M.; von Seggern, H.*; Küssel, E.; Brückel, Th.
Development of low γ-sensitive neutron image plate detector at FZ Jülich (P)
323. Rücker, U.; Feygenson, M.; Toperverg, B.; Kentzinger, E.; Dalgliesh, R.*; Brückel, Th.
Neutron quantum well states used to increase the sensitivity for magnetic disorder (P)
324. 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 (V)

ICANS-XVI; 16th Meeting of the Int. Collaboration on Advanced Neutron Sources (Convention Center, Neuss)

325. Kentzinger, E.; Dohmen, L.; Alefeld, B.; Rücker, U.; Stellbrink, J.; Richter, D.; Brückel, Th.
KWS-; the New Focusing Mirror USANS Instrument at Juelich (P)
326. Rücker, U.; Ioffe, A.; Kentzinger, E.; Brückel, Th.
Polarized Neutron Reflectometer for magnetoelectronic devices to be realized at a long pulse spallation source (P)

ICM; International Conference on Magnetism (Rom, Italien)

327. Su, Y.; Istomin, K.; Wermeille, D.*; Fattah, A.; Foucart, P.; Meuffels, P.*; Hupfeld, D.; Brückel, Th.
Re-examination of charge and orbital ordering in lightly doped $La_{1-x}Sr_xMnO_3$ by X-ray scattering (P)

Informationstagung aus Anlaß der 18. Sitzung des Wissenschaftlichen Beirats

328. Alefeld, B.; Conrad, H.; Dohmen, L.; Ioffe, A.; Kentzinger, E.; Küssel, E.; Rücker, U.; Brückel, Th.
New Neutron Scattering Instrumentation at FRJ-2 (P)
329. Rücker, U.; Toperverg, B.; Kentzinger, E.; Brückel, Th.; Dalgliesh, R.*
Offspecular Neutron Scattering from thin films: Comparing HADAS@DIDO and CRISP@ISIS (P)
330. Schweika, W.; Brückel, Th.; Maleyev, S. V.*; Plakhty, V. P.*; Regnault, L.-P.*
Longitudinal Spin Fluctuations in 3D-Antiferromagnets (P)
331. Su, Y.; Istomin, K.; Wermeille, D.*; Hupfeld, D.; Fattah, A.; Foucart, P.; Meuffels, P.; Brückel, Th.
X-ray scattering studies of charge/orbital ordering in lightly doped manganites (P)
332. Ziegenhagen, N.; Rücker, U.; Kentzinger, E.; Lehmann, R.*; van der Hart, A.*; Toperverg, B.; Brückel, Th.
Magnetic domains in a laterally structured Fe/Cr multilayer (P)

PNSXM; Polarised Neutrons and Synchrotron X-rays for Magnetism (Venedig, Italien)

333. Kentzinger, E.; Breidbach, M.*; Bürgler, D. E.*; Dürr, H. A.*; Mertins, H. C.*; Grünberg, P.*; Brückel, Th.
Resonant X-ray Scattering Investigation of the Interfacial Chemical Structure and the Magnetization Density Profile in Epitaxial Fe/Cr/Fe Trilayers Exhibiting the GMR Effect (P)
334. Su, Y.; Schweika, W.; Istomin, K.; Wermeille, D.*; Hupfeld, D.; Fattah, A.; Foucart, P.; Brückel, Th.
Investigations of lightly doped $La_{1-x}SrxMnO_3$ with polarized neutrons and synchrotron X-rays (P)

Workshop BMBF - KFN zur Verbundförderung 2004 - 2007

335. Forschung mit Neutronen - Was leistet die Verbundförderung heute? (V)

2002

Beirats-Informatinsveranstaltung (FZ, Jülich)

336. Das Institut für Streumethoden (V)

ESS-Konferenz (Bonn)

337. Alefeld, B.; Conrad, H.; Dohmen, L.; Ioffe, A.; Kentzinger, E.; Küssel, E.; Prager, M.; Rücker, U.; Vehres, G.
Instrument Modernisation Program at the FRJ-2 Reactor (P)
338. 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.; Zwoll K.
A High Resolution Small Angle Neutron Scattering Instrument and Reflectometer with Focusing Mirror (KWS3) at Jülich (P)
339. Massalovitch S.; Ioffe A.; Küssel E.; Brückel Th.; Schlapp M.; von Seggern H.
The optimization of neutron image plate detector with low gamma-sensitivity (P)
340. Massalovitch, S.; Ioffe, A.; Schlapp, M.; von Seggern, H.1; Küssel, E.; Brückel, Th.
Low gamma-sensitive neutron image plate detector (V)
341. Rücker, U.; Toperverg, B.; Kentzinger, E.; Brückel, Th.
Resonant states in a ferromagnetic quantum well for neutrons (P)
342. Su, Y.; Istomin, K.; Schweika, W.; Foucart, P.; Fattah, M.; Meuffels, P.; Brückel, Th.; Kaiser, V.
Polarization analysis of diffuse neutron scattering in lightly doped $La_{1-x}Sr_xMnO_3$ single crystals (P)
343. Voigt J.; Kentzinger E.; Rücker U.; Schweika W.; Brückel Th.
Magnetic Structures and Phase Transitions in [Er-Tb] Superlattices (P)
344. Ziegenhagen N.; Rücker U.; Kentzinger E.; Lehmann R.; van der Hart A.; Toperverg B.; Brückel Th.
Magnetic Properties of Laterally Structured Fe/Cr Multilayers (P)

Ferienschule des Institut für Festkörperforschung (FZ, Jülich)

345. Scattering (V)

First Summer School on Polarised Neutron Scattering (FZ, Jülich)

346. Introduction to Polarised Neutron Scattering (V)
347. Magnetic X-Ray and Polarised Neutron Scattering (V)

HGF-Workshop "Kondensierte Materie" (FZ, Jülich)

348. Istomin, K.; Su, Y.; Fattah, M.; Foucart, P.; Hupfeld, D.; Seeck, O.; Brückel, Th.
Reexamination of the charge/orbital ordering in lightly doped LaSrMnO by synchrotron X-ray scattering methods (P)
349. Su, Y.; Schweika, W.; Istomin, K.; Fattah, M.; Foucart, P.; Brückel, Th.
Polarized neutron scattering from magnetic and structural correlations in lightly doped LaSrMnO single crystals (P)
350. Voigt, J.; Rücker, U.; Kentzinger, E.; Toperverg, B.; Brückel, Th.
Von Domänen und Grenzflächen: Diffuse Streuung nahe der Totalreflexion an [Er/Tb] Schichtsystemen (P)

Neutronenpraktikum des Institut für Festkörperforschung (FZ, Jülich)

351. Elastic scattering from many-body systems (V)
352. Magnetism (V)

Workshop on Polarised Neutrons in Condensed Matter Investigations (FZ, Jülich)

353. Kentzinger, E.; Rücker, U.; Toperverg, B.; Brückel, Th.
Determination of the magnetic fluctuations in a Fe/Cr/Fe trilayer exhibiting a neutron resonance state
354. Kentzinger, E.; Toperverg, B.; Rücker, U.; Brückel, Th.
Simulation of Reflectivity and Off-Specular Scattering of Polarised Neutrons from Laterally Patterned Magnetic Multilayers
355. Mueller, R.; Chang, L. J.; Appelt, St.; Haesing, W.; Horriar-Esser, Ch.; Ioffe, A.; Brückel, Th.
Progress in the production of polarised ^{3}He in Jülich
356. Su, Y.; Istomin, K.; Schweika, W.; Fattah, M.; Foucart, P.; Meuffels, P.; Brückel, Th.; Kaiser, V.*
Polarisation analysis of diffuse neutron scattering from lightly doped $La_{1-x}Sr_xMnO_3$ single crystals

2001

Deutsche Neutronenstreutagung (FZ, Jülich)

357. Hupfeld, D.; Brückel, Th.; Schweika, W.; Strempfer, J.; Mattenberger, K.; McIntyre, G.
Investigation of the magnetic properties of $Gd_xEu_{1-x}S$ with neutrons and x-rays (P)
358. Ioffe, A.; Conrad, H.; Zeiske, Th.; Mueller, R.; Küssel, E.; Massalovitch, S.; Schlapp, M.; Schmitz, B.; Brückel, Th.
Spektrometer SV30 für Polarisationsanalyse mit thermischen Neutronen am Forschungsreaktor FRJ-2 (P)
359. Massalovitch, S.; Ioffe, A.; Küssel, E.; Schlapp, M.; Brückel, Th.
Development of the large-area 2D neutron detector based on the imaging plate (P)
360. Mueller, R.; Brückel, Th.; Horriar-Esser, Ch.
Entwicklung einer Anlage zur Herstellung von kernspin-polarisiertem ^{3}He am Forschungszentrum Jülich
361. Rücker, U.; Alefeld, B.; Bergs, W.; Kentzinger, E.; Heinen, J.; Brückel, Th.; Drochner, M.; Ackens, A.; Loevenich, H.; Reinhard, P.; Zwoll, K.
Das neue Neutronenreflektometer mit Polarisationsanalyse in Jülich (P)
362. Rücker, U.; Kentzinger, E.; Toperverg, B.; Brückel, Th.; Ott, F.
Spinaufgespaltene diffuse Streuung unter streifendem Einfall an polarisierenden Superspiegeln (P)
363. Toperverg, B.; Kentzinger, E.; Rücker, U.; Brückel, Th.
Specular reflection and off-specular scattering of polarized neutrons from magnetic multilayers (P)
364. Voigt, J.; Schmidt, W.; Ohl, M.; Brückel, Th.
Magnetische Ordnung in Erbium/Terbium-Schichtsystemen (P)

ICNS-Konferenz (München)

365. Ioffe, A.; Conrad, H.; Zeiske, Th.; Mueller, R.; Küssel, E.; Massalovitch, S.; Schlapp, M.; Schmitz, B.; Brückel, Th.
A New Thermal Neutron Spectrometer/Diffractometer for Polarization Analysis (SV30) at the research reactor FRJ-2 (P)
366. Massalovitch, S.; Ioffe, A.; Küssel, E.; Schlapp, M.; von Seggern, H.; Brückel, Th.
Development of neutron image plate for low flux measurements (P)
367. Rücker, U.; Alefeld, B.; Bergs, W.; Kentzinger, E.; Heinen, J.; Brückel, Th.; Drochner, M.; Ackens, A.; Loevenich, H.; Reinhard, P.; Zwoll, K.
The new reflectometer with polarization analysis in Jülich (P)
368. Rücker, U.; Kentzinger, E.; Toperverg, B.; Ott, F.; Brückel, Th.
Layer-by-layer magnetometry on polarizing supermirrors (P)
369. Schlapp, M.; von Seggern, H.; Massalovitch, S.; Ioffe, A.; Conrad, H.; Brückel, Th.
Materials for neutron image plates with low γ sensitivity (P)
370. Voigt, V.; Kentzinger, E.; Rücker, U.; Schweika, W.; Brückel, Th.; Schmidt, W.; Ohl, M.
Proximity effects in Er/Tb superlattices: How Neutrons and X-Rays complement each other (P)

IFF-Beiratssitzung (FZ, Jülich)

371. IFF - FZ Jülich (V)

Neutronenpraktikum des Institut für Festkörperforschung (FZ, Jülich)

372. Elastic scattering from many-body systems (V)
373. Magnetism (V)

ZEL-Seminar (FZ, Jülich)

374. Hyperpolarisiertes ^{3}He-Gas magnetisiert Neutronenstrahlen (V)

2000

DGK Jahrestagung (RWTH Aachen)

375. Alefeld, B.; Dohmen, L.; Brückel, Th.
GaAs as a backscattering crystal (P)
376. Hupfeld, D.; Brückel, Th.; Schweika, W.; Strempfer, J.; Mattenberger, K.
Resonante Austauschstreuung an $Gd_xEu_{1-x}S$-Mischkristallen (P)
377. Kentzinger, E.; Rücker, U.; Nerger, S.; Caliebe, W.; Goerigk, G.; Werges, F.; Brückel, Th.
Charakterisierung von dünnen epitaktischen δ-Mn-Schichten mit Elektronenbeugung sowie Reflektometrie und diffuser Streuung von Synchrotronstrahlung(P)
378. Wang, Y.-G.; Kentzinger, E.; Rücker, U.; Caliebe, W.; Goerigk, G.; Babik, W.; Brückel, Th.
Strukturelle Charakterisierung von Fe/Cr/Fe Schichtsystemen (P)

ENPI Meeting (Grenoble, Frankreich)

379. Polarised Neutron Scattering at the Jülich Research Center (V)

Ferienschule des Institut für Festkörperforschung (FZ, Jülich)

380. Brückel, Th.; Eberhardt, W.
Dynamik in kondensierter Materie (V)

Neutronenpraktikum des Institut für Festkörperforschung (FZ, Jülich)

381. Elastic Scattering from Many-Body Systems (V)
382. Magnetism (V)

PNCMI International Workshop (Sankt Petersburg, Russische Föderation)

383. Nerger, S.; Kentzinger, E.; Rücker, U.; Voigt, J.; Ott, F.; Seeck, O.; Brückel, Th.
Poximity effects in $Fe_{1-x}Co_x/Mn/Fe_{1-x}Co_x$ trilayers (P)
384. Rücker, U.; Bergs, W.; Alefeld, B.; Kentzinger, E.; Brückel, Th.
The new polarized neutron Reflectometer in Jülich (V und P)

TECHNI Meeting at the Cosener's House (Abingdon, UK)

385. Image Plate Detector for Thermal Neutrons (V)

Vollversammlung des BMBF Verbundes 04 (FZ Jülich)

386. Brückel, Th.; Rücker, U.
Weiterentwicklung von Beugungsmethoden zur Untersuchung magnetischer Materialien mit Hilfe von Synchrotronstrahlung (V)

1999

ECNS Konferenz (Budapest, Ungarn)

387. Kentzinger, E.; Rücker, U.; Caliebe, W.; Goerigk, G.; Werges, F.; Nerger, S.; Voigt, J.; Schmidt, W.; Alefeld, B.; Fermon, C.; Brückel,Th.
Structural and magnetic characterization of Fe/δ-Mn thin films (P)
388. Rücker, U.; Bergs, W.; Alefeld, B.; Kentzinger, E.; Brückel, Th.
The new polarized neutron reflectometer in Jülich (P)

Ferienschule des Institut für Festkörperforschung (FZ Jülich)

389. Streumethoden zur Untersuchung von Dünnschichtsystemen (V)

Neutronenpraktikum des Institut für Festkörperforschung (FZ Jülich)

390. Elastische Streuung an Vielteilchensystemen (V)
391. Magnetische Streuung und Polarisationsanalyse (V)
392. Streuung unter streifenden Einfall (V)

1998

Euroconference „Magnetism Today“ (Evora, Portugal)

393. Strempfer, J.; Brückel, Th.; Caliebe, W.; McIntyre, G.; Tasset, F.; Zeiske, Th.; Burger, K.; Prandl, W.; Schneider, J. R.
Combined Neutron and High Energy Synchrotron Radiation Diffraction Study of the Itinerant Antiferromagnet Chromium (P)

Verbundtreffen (Berlin)

394. Statusbericht magnetische Röntgenstreuung (V)

Workshop „Polarised Neutrons for Condensed Matter Investigations“ (Grenoble, Frankreich)

395. Strempfer, J.; Brückel, Th.; Caliebe, W.; McIntyre, G.; Tasset, F.; Zeiske, Th.; Burger, K.; Prandl, W.; Schneider, J. R.
A Reinvestigation of the Field Induced Magnetic Form Factor of Chromium (P)

WTR-Veranstaltung (FZ Jülich)

396. Neutronen für die Festkörperforschung: Nutzung des Forschungsreaktors DIDO (V)

1997

5. Jahrestagung der Deutschen Gesellschaft für Kristallographie (Hamburg)

397. Möglichkeiten der magnetischen Strukturbestimmung mit Hilfe von Synchrotronstrahlung (V)

Gemeinsames Statusseminar der Verbünde (Kloster Seeon)

398. Magnetische Beugung mit hochenergetischer Synchrotronstrahlung (V)

1995

DPG-Frühjahrstagung (Berlin)

399. Brückel, Th.; Drewes, D.; Mattenberger, K.; Stirling, W. G.; Perry, S.; Costa, G.; de Bergevin, F.; Stunnault, A.; Wermeille, D.
Resonante magnetische Streuung an Seltenen Erd- und Übergangsmetallverbindungen (V)
Verhandl. DPG (VI) 30 (1995), AM16.2

1994

International Conference on Magnetism (Warschau, Polen)

400. Brückel, Th.; Lippert, M.; Köhler, Th.; Schneider, J. R.; Prandl, W.
The Non-Resonant Magnetic X-ray Scattering Cross Section of MnF_2 (V)

401. Brückel, Th.; Lippert, M.; Kubo, H.; Zenmyo, K.; Mayer, H. M.; Pfeiffer, F.
Magnetic Structure and Phase Transitions of $Co_{1-x}Mn_xCl_2 \cdot 2H_2O$ and $Co_{1-x}Mn_xCl_2 \cdot 2D_2O$ (P)

1993

Int. Workshop on the Use of Neutrons & X-Rays in the Study of Magnetism (Grenoble, Frankreich)

402. Lippert, M.; Brückel, Th.; Schneider, J. R.; Jauch, W.; Prandl, W.
The Non-Resonant Magnetic X-Ray Cross Section of MnF_2 (P)

403. Brückel, Th.; Hinrichs, K.; Prandl, W.; Paulsen, C.
Ordering Due to Disorder in Antiferromagnets with Continuously Degenerate Néel Ground State (P)

1992

DPG-Frühjahrstagung (Regensburg)

404. Brückel, Th.; Hinrichs, K.; Prandl, W.
Durch Fehlordnung induzierte Ordnung in einem Antiferromagneten mit unendlichfach entartetem Néel-Grundzustand (V)
Verhandl. DPG 27 (1992), AM4.2

Verbundtreffen Forschung mit Neutronen (Bad Schandau)

405. Hinrichs, K.; Brückel, Th., Herz, K.; Knorr, K.; May, H. J.; Prandl, W.
Perkolationsverhalten in amorphen Spingläsern $Mn_3Ca_{3-x}Al_2Si_3O_{12}$ (P)

406. Brückel, Th.; Hagdorn, K.; Hinrichs, K.; Prandl, W.
Unordnung schafft Ordnung: das magnetische Phasendiagramm von $(Fe_xGa_{1-x})_2Ca_3Ge_3O_{12}$ Granaten (V)

1991

International Conference on Magnetism (Edinburgh, Schottland)

407. Brückel, Th.; Prandl, W.; Hagdorn, K.
Neutron Scattering Investigation of the Magnetic Structure and Phase Transitions in CoNiTAC Mixed Crystals (P)
JMMM 104-107 (1992) , 1629-1631

International Conference on Neutron Scattering (Oxford, UK)

408. A Thermal Flat Cone Diffractometer for Polarization Analysis (P)
Physica B 180&181 (1992) , 1011-1013

1990

DPG-Frühjahrstagung (Regensburg)

409. Brückel, Th.; Prandl, W.
Bestimmung magnetischer Austauschwechselwirkungen mit Hilfe von Neutronenbeugung (V)
Verh. Dtsch. Phys. Ges. 25 (1990), AM 5.4

1989

Twelfth European Crystallographic Meeting (Moskau, Russische Föderation)

410. Brückel, Th.; Prandl, W.; Vrtis, M. L.
A Neutron Diffraction Study of the Magnetic Diffuse Scattering from Antiferromagnetic Garnets (P)

1988

DPG-Frühjahrstagung (Karlsruhe)

411. Brückel, Th.; Capellmann, H.; Just, W.; Schärpf, O.; Kemmler-Sack, S.; Kiemel, R.; Schaefer, W.
Magnetische Fluktuationen in $YBa_2Cu_3O_{7-x}$ (V)
Verh. Dtsch. Phys. Ges. 23 (1988), TT7.16

412. Brückel, Th.; Dorner, B.; Gukasov, A. G.; Plakhty, V. P.; Shender, E. F.; Smirnov, O. P.; Prandl, W.
Spinwellen im antiferromagnetischen Granat $Ca_3Fe_2Ge_3O_{12}$ mit dynamisch wechselwirkenden Untergittern gemessen mit inelastischer Neutronenstreuung (P)
Verh. Dtsch. Phys. Ges. 23 (1988), AM8.26

International Conference on Magnetism (Paris, Frankreich)

413. Brückel, Th.; Neumann, K. U.; Capellmann, H.; Schärpf, O.; Kemmler-Sack, S.; Kiemel, R.; Schäfer, W.
Magnetic Fluctuations in the Compounds $YBa_2Cu_3O_{6+x}$ (0<x<1) (P)
Journal de Physique, Supplement 49 (1988), C8-2155-2156

International Conference on Neutron Scattering (Grenoble, Frankreich)

414. Brückel, Th.; Dorner, B.; Gukasov, A. G.; Plakhty, V. P.; Prandl, W.; Shender, E. F.; Smirnov, O. P.
Dynamical Sublattice Interaction in the Antiferromagnetic Garnet $Fe_2Ca_3(GeO_4)_3$ as studied by Neutron Scattering (P)
Physica B 156/157 (1989), 308-310

1987

Diskussionstagung der Arbeitsgemeinschaft Kristallographie (Berlin)

415. Brückel, Th.; Prandl, W.; Convert, P.
Magnetische Frustration in den Mischgranaten $(Fe_xCr_{1-x})_2Ca_3(GeO_4)_3$: Phasendiagramm, zeitliche und räumliche Relaxation der magnetischen Ordnung (V)
Z. Kristallogr. 178 (1987), 42-43

DPG-Frühjahrstagung (Münster)

416. Brückel, Th.; Prandl, W.; Schärpf, O.; Convert, P.
Aufbrechen der Fernordnung in magnetischen Mischsystemen (V)
Verh. Dtsch. Phys. Ges. 22 (1987), AM 1.3

1986

DPG-Frühjahrstagung (Freudenstadt)

417. Brückel, Th.; Prandl, W.
Relaxationsverhalten der magnetischen Fernordnung infolge lokaler Frustration im Mischgranatsystem $(Fe_xCr_{1-x})_2Ca_3Ge_3O_{12}$ (V)
Verh. Dtsch. Phys. Ges. 21 (1986), AM

1984

DPG-Frühjahrstagung (Münster)

418. Brückel, Th.; Prandl, W.; Vogt, K.; Zeyen, C. M. E.
Neutronenbeugung zur Untersuchung der quantenmechanischen Orientierungsfehlordnung in $(NH_4)_2SnCl_6$ (V)
Verh. Dtsch. Phys. Ges. 19 (1984), 441-442

Symposium on Neutron Scattering (Berlin)

419. Brückel, Th.; Prandl, W.; Vogt, K.; Zeyen, C. M. E.
Quantum Disorder in $(NH_4)_2SnCl_6$ as Observed by Neutron Diffraction (P)
HMI-B 411 (1984), 170-171

1983

Diskussionstagung der Arbeitsgemeinschaft Kristallographie (Tübingen)

420. Brückel, Th.; Prandl, W.; Vogt, K.; Zeyen, C. M. E.
Das Ammonium-Molekül in $(NH_4)_2SnCl_6$ als Quantenrotator (P)
Z. Kristallogr. 162 (1983), 45-46