

Deutsche Neutronenstreutagung

Dienstag, 17. September 2024

Mounting Posters, Beer and light Dinner - Forum M (17:00 - 23:00)

[id] title	presenter	board
[14] Magnetic microstructure of nanocrystalline Fe-Nb-B alloys as seen by small-angle neutron and X-ray scattering	RAI, VENUS	
[16] Combined X-ray and Neutron Powder Diffraction Study on B-Site Cation Ordering in Complex Perovskite La ₂ (Al _{1/2} MgTa _{1/2})O ₆		
[108] Towards the Development of a Compact Very Cold Neutron Source for the Small-Angle Scattering Instrument for the High Brilliance Neutron Source		
[41] Interdiffusion of polymer and water in waterborne polymer latex films	SAHA, Debasish	
[110] Mechanisms for Multiferroicity in Rare Earth Orthoferrites: An Overview	FABRYKIEWICZ, Piotr	
[128] Investigating the Influence of Cyclic Ageing on the Structure of NCM Cathodes and Graphite Anodes in 21700 Li Ion Batteries		
[121] Advancing Spectroscopic Insights: Inelastic and Quasielastic Neutron Scattering for the Study of Hydrogen-Rich Materials		
[83] Distribution of Cross-linkers in Microgels obtained by Contrast variation in Small Angle Neutron Scattering		
[139] Exploring Spin Crossover Compounds for Barocaloric Application		
[137] Neutron reflectometry with micro-second time resolution		
[86] N-H... π Bonding in Benzene-Ammonia Solution		
[116] Fe self-diffusion in Fe-Al-Si melts – A combined ab initio molecular dynamics and experimental study		
[63] Neutron Scattering on Magnetic Multilayers Deposited onto highly ordered nanosphere arrays	Dr. QDEMAT, Asmaa	
[134] Neutron radiography investigations of the diffusion of liquid organic hydrogen carrier (LOHC) molecules in porous systems		
[59] Microstructure and in-situ tensile behavior of CNTs reinforced Mg composites using neutron diffraction		
[69] In situ simulation of a hydrogen storage material on the nanometer level driven by SANS measurements to explain the performance at engineering scale	MAJUMDAR, Arnab	
[117] Quasielastic neutron scattering to study the diffusion of water molecules on the surface of iron oxide nanoparticles at different relative humidities		
[19] GEMS unique synchrotron & neutron dilatometer for in-situ scattering studies		
[20] Application of Multidimensional Rietveld Refinement of Neutron Data		
[51] Targeted residual stress in electrical steel – Towards novel electric drives	NEUWIRTH, Tobias	
[94] Origins of polysaccharide conformation and viscoelasticity in miscible heterogeneous solvent		
[120] Conformation and Microscopic Dynamics of Ring Polymers		

[29] Signature of surface anisotropy in the spin-flip neutron scattering cross section of spherical nanoparticles: Atomistic simulations and analytical theory		
[147] Invitation to the MLZ User Meeting	LOMMATZSCH, Ina	
[114] Timescales of Cell Membrane Fusion Mediated by SARS-CoV2 Spike Protein and influence of an antiviral drug candidate		
[132] Understanding in vivo bilayer organization in photosynthetic algae with small angle neutron scattering		
[48] Developments in the transfer program of neutron scattering instrumentation from BER II		
[70] Dy incommensurate magnetic order in DyFeO ₃ single crystal		
[43] Shielding performance of the prototype target station for the High Brilliance neutron Source (HBS) project		
[143] Newly developed aerodynamic levitation device for neutron scattering experiments		
[102] JULIC Neutron Platform, a testbed for HBS		
[88] Applications and Perspectives of Hot Neutron Single Crystal Diffraction at HEIDI		
[97] Elucidating the strong entanglement between spin and orbital degrees of freedom in CaCu ₃ Ti ₄ O ₁₂ and its Influence on magnetism.		
[46] Bayesian approach for fitting Molecular Dynamics simulations to neutron and X-ray diffraction and spectroscopy data simultaneously	REICH, Veronika	
[99] Non-trivial Spin Structures and Multiferroic Properties of the DMI-Compound Ba ₂ CuGe ₂ O ₇	WILD, Peter	
[52] Foams in the view of SANS		
[55] The influence of dipolar interactions on the critical dynamics in Ni investigated by high-resolution neutron spectroscopy	Dr. BEDDRICH, Lukas	
[106] Structural evolution of a model colloidal gel in a simple shear field	GARVEY, Christopher	
[91] Influence of SrIrO ₃ /SrRuO ₃ Multilayer Interface on Magnetic Skyrmions Formation		
[109] Impact of Coating Type on Structure and Magnetic Properties of Biocompatible Iron Oxide Nanoparticles: Insights into Cluster Organization and Oxidation Behaviour		
[129] Diffusivity Investigation of Hydrogen Isotopes in Flexible MOFs by Quasi-Elastic Neutron Scattering	PARK, Jitae	
[96] Spin Correlations in Assemblies of Iron Oxide Nanoparticles		
[141] SANS data reduction and analysis QtiSAS: current status		
[111] KWS-1: Polarisation analysis on a high-flux SANS instrument		
[78] Complexes of Oppositely Charged Microemulsions and Polyelectrolytes are Highly Dynamic		
[28] Signature of magnetic skyrmions in the chiral function		
[81] Transitions in Fe ₃ O ₄ /Nb:STO heterostructures investigated by Polarized Neutron Reflectometry		
[131] Lattice dynamics of Pb(Mn _{1-x} Fe _x)BO ₄ (x = 0, 0.5 1.0) studied by inelastic neutron scattering		

[22] Deuteration Service for Users of the MLZ Neutron Scattering Instruments		
[119] Using Light to see Scattered Neutrons: an efficient technology applied to neutron scattering		
[80] Interface structure and dynamics of protein stabilized food emulsions		
[101] A Colloidal Approach to the Microplastic Bane: Small Angle Neutron Scattering Studies on Model Microplastic Flocs	JOSEPH BONIFACE, Brijitta	
[118] High-efficiency diffractometer ERWIN	HÖLZEL, Markus	
[122] Polyelectrolytes: Interchain hydrodynamic interaction and internal friction	BIEHL, Ralf	
[135] In-situ small angle neutron scattering under thermal-mechanical coupled field loading		
[95] Low-dimensional para-hydrogen moderators	RUECKER, Ulrich	
[104] The Concept of a Novel Para-Hydrogen Based Cold Neutron Source with Simultaneously Increased Flux and Brightness		
[35] The cold neutron three-axis spectrometer IN12 at the ILL		
[37] HYMN – A novel unified toolbox for in-situ magnetic hyperthermia experiments using neutron scattering		
[136] New software for analysing neutron total scattering in 2-axis diffractometers		
[40] The Macromolecular Neutron Single Crystal Diffractometer BIODIFF for Proteins at the Heinz Maier-Leibnitz Zentrum MLZ		
[44] KOMPASS – the polarized cold neutron triple-axis spectrometer at the FRM II		
[85] Recommendation system for small angle neutron scattering models based on machine learning from Monte Carlo virtual experiments		
[21] Novel Application of Volume Detectors Improving Data Quality in Neutron Powder Diffraction		
[79] Scientific applications with the high resolution neutron backscattering spectrometer SPHERES	ZAMPONI, Michaela	
[113] SKADI - Small-Angle Neutron Scattering @ ESS		
[145] Relocation of the cold triple axis spectrometer FLEXX to MLZ, Munich: Larmor diffraction and inelastic scattering	SKOULATOS, Markos	
[146] Development of Modular Sample Environment for Simultaneous SANS and Spectroscopic Characterization of Non-Equilibrium Soft Matter	DAS, Avik	
[18] Sample environment for control of temperature and gas phase composition during the neutron spectroscopy of soft materials		
[25] Innovative approach for sustainable and low-waste production of ⁹⁹ Mo for radiodiagnostics using an accelerator based neutron source		
[27] Combination of Small Angle Neutron Scattering and Quantum Cascade Laser-based Infrared Spectrophotometer for the Investigation of Amyloid Formation	SCHRADER, Tobias	
[77] Printed Neutron Converter Foils		
[144] Small-angle Neutron Scattering Instrument and Applications at China Spallation Neutron Source		
[31] Validation of a Polyethylene Thermal Moderator for accelerator-driven neutron source		

[56] Draft recommendations on metadata capture and specifications		
[17] Upgrade concept of the instrument TOFTOF	WOLF, Marcell	
[23] The Engineering Diffractometer BEER at ESS - Features and Status Update		
[32] Surface Charged Polymeric Micelles - A Tunable Model System Studied by SANS	STELLBRINK, Jörg	
[126] Learning self-supervised representations of powder diffraction patterns	DAS, Shubhayu	
[84] Development of a GEM based neutron detector with VMM readout		
[92] Design concept of a diffractometer for the HBS Science Demonstrator		
[115] Polarized SANS and GISANS at the ESS		
[87] Neutron sensitive Microchannel Plate with a Timepix3 readout	GÜRBÜZ, Saime	
[38] Focusing with a nested mirror optic on the thermal triple-axis spectrometer PUMA at MLZ	WEBER, Frank	
[124] OSCARS: Taking science research to the next level	NENTWICH, Melanie	
[123] Calibration of the neutron optical path of the engineering materials neutron diffractometer "EMD" at the China Spallation Neutron Source		
[50] Investigation of proximity effects in a YBa ₂ Cu ₃ O _{7-x} /SrRuO ₃ bilayer heterostructure by magnetotransport measurements and neutron scattering techniques		
[58] Comparison of experimental and simulated neutron cold spectra for para- and ortho-hydrogen	SCHMIDT, Norberto	
[62] Magnetic hypertermia investigation of nanoparticles with SANS		
[71] Machine learning based Optimization of Measurement Strategies for Small Angle Neutron Scattering		
[75] Unconventional magnetic excitations and complementary neutron scattering sum rule on spin-1/2 triangular antiferromagnets		
[64] Background from sample cryostat on three-axis spectrometer: can it be reduced?		
[68] Influence of Synthesis Conditions on the Microgel Structure		
[66] Deep Learning Approaches for Neutron Diffraction Crystalline Phase Identification		
[82] New options on the polarized neutron single crystal diffractometer POLI at MLZ	XU, Jianhui	