

4th internal biannual science meeting of the MLZ

Wednesday, 26 June 2019

Science group meetings 1: Material Science - Large Seminar room (10:00 - 11:30)

time	[id] title	presenter
10:00	[80] Neutron Activation Analysis (NAA) at FRM II - trace element analysis in samples from high purity silicon to meteorites	Dr LI, Xiaosong STIEGHORST, Christian REVAY, Zsolt
10:20	[17] Molecular Dynamics and Hydrogen Diffusion in (NH ₂)- and (BH ₄)-based Hydrogen Storage Materials	Mrs ASLAN, Neslihan
10:40	[3] Contrast Matched SANS for Observing SEI and Pore Clogging in Silicon-Graphite Anodes	Dr PAUL, Neelima
11:00	[75] Engineering materials research with high-energy X-rays – GEMS at DESY	STARON, Peter

Science group meetings 1: Neutron Methods - Library (10:00 - 11:30)

time	[id] title	presenter
10:00	[7] Development of the high count-rate neutron detector SoNDe	JAKSCH, Sebastian
10:20	[11] Development of a curved multiwire detector for the upcoming instrument ERWIN	Dr HOWARD, Alan
10:40	[9] New primary optics for the ErwiN 'Energy research with Neutrons' option at MLZ	HEERE, Michael
11:00	[5] New developments on scintillation screens doped with boron, lithium and dysprosium	SCHILLINGER, Burkhard

Science group meetings 1: Quantum Phenomena - Roof (10:00 - 11:30)

time	[id] title	presenter
10:00	[35] Vortex Lattice Domain Formation in the Type-II/1 Superconductor Niobium	BACKS, Alexander
10:20	[44] Quests for fractionalized excitations in frustrated quantum magnets	SU, Yixi
10:40	[62] Neutron Depolarization Measurements of Quantum Critical Ferromagnets	SEIFERT, Marc
11:00	[116] Valence bond breaking and re-arrangement in YbMgGaO ₄	Prof. GEGENWART, Philipp

Science group meetings 1: Softmatter - Seminar room, Basement (10:00 - 11:30)

time	[id] title	presenter
10:00	[15] Characterising self-assembly of magnetic nanoparticles	NANDAKUMARAN, Nileena
10:20	[6] Measurement of Dynamic Coherent Excitations in Phospholipid Membranes	JAKSCH, Sebastian
10:40	[46] Spray Deposition of Water-processed Active Layers for Hybrid Solar Cells Investigated with in situ Grazing Incidence X-ray Scattering Techniques	KÖRSTGENS, Volker

11:00	[13] Model-Independent Recovery of Interfacial Structure from Neutron Reflectivity Data	KOUTSIOUMPAS, Alexandros
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Science group meetings 1: Structure - Seminar room, Basement (10:00 - 11:30)

time	[id] title	presenter
10:00	[107] Pr(BH ₄) ₃ - polymorphic transitions and a hint of stepwise negative thermal expansion	HEERE, Michael
10:20	[10] A New Measuring Cell for Operando Neutron Diffraction on Li-Ion Battery Cathode Materials	Dr SØRENSEN, Daniel
10:40	[23] Diffraction studies of prismatic Li-ion cell with neutrons	BARAN, Volodymyr
11:00	[90] Powder diffraction computed tomography: a combined synchrotron and neutron study	SENYSHYN, Anatoliy