

4th internal biannual science meeting of the MLZ

Thursday, 27 June 2019

Science group meetings 2: Material Science - Large Seminar room (09:00 - 10:30)

time	[id] title	presenter
09:00	[2] Total Reflection High-Energy Positron Diffractometer at NEPOMUC	DODENHOEFT, Matthias
09:20	[76] Results of the SINE2020 Industry Consultancy and the role of neutron science in industrial innovation	THIRY, Marc
09:40	[82] Optimization and characterization of the FaNGaS facility at MLZ	ILIC, Zeljko
10:00	[81] Temperature and Strain induced Transformation in Austempered Ductile Iron (ADI)	HOFMANN, Michael

Science group meetings 2: Neutron Method - Library (09:00 - 10:30)

time	[id] title	presenter
09:00	[33] High-resolution neutron depolarization microscopy of the ferromagnetic transitions in Ni ₃ Al and HgCr ₂ Se ₄ by using Wolter mirrors	SCHULZ, Michael
09:30	[19] Simultaneous determination of spin flip and non-spin flip neutrons using multi-analyzer setup at PUMA, FRM-II	Dr MAITY, Avishek
09:50	[61] The upgraded neutron grating interferometer at ANTARES – Design, Performance and Applications –	NEUWIRTH, Tobias
10:10	[31] Instrument Development on HEiDi for Hot Topics and Extreme Conditions	MEVEN, Martin

Science group meetings 2: Quantum Phenomena - Roof (09:00 - 10:30)

time	[id] title	presenter
09:00	[73] Single crystal growth and neutron diffraction study of non-collinear antiferromagnets Mn ₃ Sn	Mr WANG, Xiao
09:20	[20] Strain and electric-field control of magnetism in iron oxide nanoparticle - BaTiO ₃ composites	PETRACIC, Oleg
09:40	[25] The spin structure of highly ordered arrangements of magnetic nanoparticles	Mrs QDEMAT, Asmaa
10:00	[28] The magnetic moment of polycrystalline and epitaxial Co thin films	PÜTTER, Sabine

Science group meetings 2: Softmatter - Seminar room, Basement (09:00 - 10:30)

time	[id] title	presenter
09:00	[47] Contacting functional polymer thin films for lithium-ion batteries via sputter deposited metal nanolayers revealing their growth with in-situ GISAXS	SCHAPER, Simon
09:25	[50] Phase transition kinetics in a doubly thermo-responsive block copolymer thin film followed with in-situ neutron reflectometry	KREUZER, Lucas

09:50	[43] In situ GISAXS Investigations of Multi-responsive Block Copolymer Thin Films during Solvent Vapor Annealing	JUNG, Florian
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Science group meetings 2: Structure - Library (09:00 - 10:30)

time	[id] title	presenter
09:00	[32] Role of interstitials oxygen ordering on the electronic correlation in hole-doped $\text{Pr}_{2-x}\text{Sr}_x\text{NiO}_4$	Dr DUTTA, Rajesh
09:20	[112] High Pressure Diffraction Experiments on Single Crystals with Hot Neutrons on HEiDi	MEVEN, Martin
09:40	[88] Temperature dependence of the crystal structure and magnetic properties of MnFe_4Si_3 at high pressures	Mr EICH, Andreas
10:00	[24] Reconstruction of Magnetization Density Distributions in Antiferromagnets with the new Polarized Neutron Diffraction Setup on POLI	Mr THOMA, Henrik