

5th internal biannual science meeting of the MLZ

Wednesday 21 June 2023

Parallel 4: Detectors - Seminar room ground floor (09:00 - 10:30)

-Conveners: Wiebke Lohstroh

time	[id] title	presenter
09:00	[32] Current neutron detection techniques for neutron scattering applications - Overview and perspectives	ZEITELHACK, Karl
09:30	[34] Recent instrument development and plan on POLI	XU, Jianhui
09:45	[25] Event Mode Neutron Imaging Detectors	WOLFERTZ, Alexander
10:00	[26] Event-based neutron radiography with Image Intensifier and CMOS camera	GUSTSCHIN, Alex
10:15	[64] Diskussion	

Parallel 4: Material Science 1 - Seminar room roof (09:00 - 10:50)

-Conveners: Ralph Gilles

time	[id] title	presenter
09:00	[48] Electrodepositing lithiophilic nanoparticles as artificial interphase for anode-free lithium ion batteries	MOEHL, Gilles
09:15	[41] Thermal and structural behavior of graphite battery anodes	HÖLDERLE, Tobias
09:30	[47] A new type of redshift - investigation of CsCaHxF _{3-x} :Eu ²⁺	Dr MUTSCHKE, Alexander
09:45	[5] Structure evolution in LNMO, a novel cathode material for Li-ion batteries	Dr PAUL, Neelima
10:00	[38] CGO-Cu cermets characterization by in situ scattering measurements with a dilatometer	SOLIS, Cecilia
10:15	[39] Defect Studies in Tungsten using Positron Annihilation Spectroscopy	Mr BURWITZ, Vassily Vadimovitch

Parallel 4: Soft Matter 1 - Seminar room basement (09:00 - 10:30)

-Conveners: Henrich Frielinghaus

time	[id] title	presenter
09:00	[6] Topology correlation to nanoscale hydration of polymer brushes	VAGIAS, Apostolos
09:15	[7] Diffusion of water in waterborne polymer colloid films containing different hydrophilic shells	SAHA, Debasish
09:30	[11] Electric Field-Induced Assembly of Highly Crosslinked Ionic Microgels	JOSEPH BONIFACE, BRIJITTA
09:45	[40] The Study of Local and Higher Order Structure in Soft-Matter Systems by Contrast-Variation Simultaneous SANS & WANS	Dr RADULESCU, Aurel
10:00	[44] Interaction of nanoparticles with lipid films: the role of symmetry and shape anisotropy	MANGIAPIA, Gaetano
10:15	[49] Sassena -- a tool for validation of Molecular Dynamics simulations with neutron and X-Ray scattering experiments	MAJUMDAR, Arnab