6th internal biennial science meeting of TUM and JCNS – 10.6-13.6.13 Grainau

All overview talks are 30 min + 15 min discussion, all other are 15 min + 10 min discussion

	Monday 10.6.13	***Tuesday 11.6.13***	***Wednesday 12.6.13***	***Thursday 13.6.13***
8:00	**8:00 Departure** (Bus at the Pforte FRM-II)	Breakfast	Breakfast	Breakfast
9:00– 10:30		**Overview talks** **Material science** J-F. Moulin C. Hugenschmidt	**Overview Talks** **Quantum phenomena** S. Mühlbauer R. Hackl	**Overview Talks** G. Simeoni **Structure** M. Hölzel
10:30 –11:00		Coffee	Coffee	Coffee
11:00 –12:30		**Group meetings** MS: Zinth, Gan, Seemann QM: Reimann. Geselbracht, Park SM: Willner, Stellbrink, Philipp Methods: Häußler, Holderer, Kampmann, Kudejvoa	**Poster Session** **Quantum phenomena**	**Poster Session** **Soft matter**
13:00 –14:30	Lunch	Lunch	Lunch	Lunch
14:30 –16:00	**Welcome** **Overview talks** **Soft matter** P. Müller-Buschbaum H. Frielinghaus	**13:30 Excursion** **Hiking Tour: Grainau-Hammersbach-Höllentalklamm-Neuneralm-Eibsee**	**Group meetings** MS:, Schöbel, Börries, Haramus QM: Kugler, Martin, Nemkovskiy SM: Nickel, Soltwedel, Metwall	**14:30 Departure**
16:00 –16:30	Coffee	**or**	Coffee	
16:30 –18:00	**Group meetings** MS: Staron, Lohstroh, Lott QM: Pentcheva, Steffen, Pütter, Feoktystov SM: Di, Radulescu, Ivanova, Szekely Structure: Dolotko, M. Mühlbauer, Senyshyn	**With the "Zugspitzbahn" to the Eibsee and walk around the Eibsee**	**Poster session** **Material science** **Structure** **Methods**	**17:30 Return** **(**to the Pforte FRM-II**)**
18:30	Dinner	**Brotzeit: Eibsee Alm** Departure bus 23:30	Dinner	
20:00			Prof. P. Fierlinger (TUM) **"** Messgenauigkeit und das frühe Universum"	

Overview Talks

Peter Müller-Buschbaum
The applied method of grazing incidence scattering

Henrich Frielinghaus
Amphiphilic Systems

Jean-François Moulin
Neutrons for Material science

Christoph Hugenschmidt
Examples of Positron Beam Measurements

Sebastian Mühlbauer
Vortex Matter

Rudi Hackl (WMI)
Raman scattering on novel superconductors

Giovoana Simenoni
Critical and supercritical phenomena

Markus Hölzl
Poling behaviour of technical ferroelectrics studied by in-situ neutron diffraction

Softmatter Group

Z. Di
AB/BC diblock copolymer blends

A. Radulescu
Time-resolved SANS studies on the guest exchange process in crystalline complexes of syndiotactic-polystyrene

O. Ivanova
Diffusion of phosphoric acid in polymer electrolyte membranes

N.K. Szekely
Structural changes under controlled humidity conditions

B. Nickel
Tethered Membranes - hydration and softness of the interlayer cushion studies by neutron reflectometry and AFM

O. Soltwedel
Neutron Reflectivity to investigate interdiffuison in thin layers

E. Metwalli
Block Copolymer films containing magnetic nanoparticle

L. Willner
Chain exchange dynamics in amphiphilic block copolymer micelles studied by SANS

J. Stellbrink
Neutrons for Green Polymers: Structural analysis of polymerisation reactions via real-time scattering techniques

M. Philipp
Water dynamics at the demixing transition of PNIPAM solutions

Structure group

O. Dolotko

Understanding the chemistry and structural dynamics in Li-ion cells by using in situ neutron diffraction

M.J. Mühlbauer
Neutron and X-ray Imaging Studies
on Li-Ion-Batteries

A. Senyshyn

Quantum Phenomena group

R. Pentcheva (30 min overview)
Oxide interfaces

Steffen/Püttner (Combined talk)
MBE-grown La2/3Sr1/3MnO3/SrTiO3 Heterostructures

A. Feoktystov

T. Reimann
Neutron grating interferometry: principles and applications

Geselbracht

J. Park
Resonant magnetic excitations in Fe-based superconductors

M. Kugler
Helimagnons in MnSi

N. Martin

K. Nemkovskiy
Interplay of low-energy phonons and magnetic excitations in the Kondo insulator YbB12

Material Sciences Group

P. Staron

W. Lohstroh
Hydrogen motion in Borohydrides

D. Lott
Chirality in Ho/Y multilayer

Zinth

W. Gan
Bulk and local textures in swaged pure Mg by neutron and synchrotron diffraction

Seemann

Schöbel

S. Börriess (Speakeer: K. Pranzas)
Mit Neutronenradiographie- und -tomographie Wasserstofftanks optimieren

V. Haramus
Aggregation stability of magnetic ferrofluids for biomedical applications by SANS

Methods Group

W. Häußler
Reseda new options

O. Holderer
Dynamics at interfaces measured with NSE under grazing incidence: proposition of a dedicated GINSES instrument

R. Kampmann
The new diffractometer conzept SPEED

P. Kudejova
Prompt gamma activation analysis using a high-flux cold neutron beam