

February 23<sup>rd</sup>, 2015

13:00	PLENARY TALK – Heinz Maier-Leibnitz Zentrum, where we are, <i>W. Petry</i>				
13:20	KFN report, <i>T. Unruh</i>				
13:40	PARALLEL SESSIONS – talks and discussions	A	B	C	D
15:40	Coffee break				
16:10	PARALLEL SESSIONS – talks and discussions	A	B	C	D
18:10	POSTER SESSION with drinks				
20:00	Dinner at the hotel restaurant				

## PARALLEL SESSIONS – Talks

### A – Materials Science

13:40	Introduction & objectives of sessions - <i>A. Schreyer</i>
13:45	Engineering materials science with neutrons: quo vadis? - <i>A. Schreyer</i>
14:15	The Materials Science Group at MLZ - <i>R. Gilles</i>
14:30	Neutron scattering in development and processing of some technologically important materials - <i>P. Strunz</i>
15:00	Discussion
15:40	Coffee break
16:10	Diffusion of mass in liquid metals and alloys investigated with neutrons - <i>A. Meyer</i>
16:40	Trends, needs and expectations in neutron imaging and its applications - <i>E. Lehmann</i>
17:10	Discussion

### B – Quantum Phenomena/ Magnetism

13:40	Introduction & objectives of sessions - <i>C. Pfleiderer</i>
13:45	Order and dynamics in multi-critical model magnets - <i>C. Rüegg</i>
14:15	Neutron scattering studies of quantum magnets - <i>B. Lake</i>
14:45	Studies of emergent phenomena and novel magnetic phases with polarised neutrons - <i>Y. Su</i>
15:15	Discussion
15:40	Coffee break
16:10	Skymionics: Future of spintronics? - <i>C. Pfleiderer</i>
16:40	Perspectives for neutron scattering from quantum materials - <i>B. Keimer</i>
17:10	Exchange bias revisited: correlation between structure and magnetism in Co-CoO systems made by oxygen implantation in Co thin films - <i>K. Temst</i>
17:40	Discussion

### C – Soft Matter/ Biology

13:40	Recent and future developments in neutron protein crystallography - <i>L. Coates</i>
14:10	Proteins interactions and stability – insight from neutron scattering experiments - <i>P. Schurtenberger</i>
14:40	Probing properties of complex responsive microgels by scattering - <i>W. Richtering</i>
15:10	Neutrons reveal hidden secrets for pharmaceutical formulation – structure, composition, assembly and interactions in lipid and polymer based systems in new light - <i>T. Nylander</i>
15:40	Coffee break
16:10	Grazing incidence scattering from solid-liquid boundaries - <i>M. Wolff</i>
16:25	In operando studies of desalination to gain potable water - <i>D. Schwahn</i>
16:40	Time resolved SANS studies on intestinal nanoparticles - <i>T. Nawroth</i>
16:55	Discussion

### D – Structural Research in Chemistry and Energy

13:40	Neutron diffraction and (solid state) chemistry - <i>R. Dronskowski</i>
14:10	Discussion
14:40	Materials for energy storage and transformation: Characterisation of structure and dynamics using large scale facilities - <i>W. Paulus</i>
15:10	Discussion
15:40	Coffee break
16:10	Investigations on the magnetocaloric effect: towards materials for advanced refrigeration techniques - <i>K. Friese</i>
16:40	Discussion
17:10	A neutron zoom into Li-ion batteries - <i>H. Ehrenberg</i>
17:40	Discussion

February 24<sup>th</sup>, 2015

09:00	<b>PLENARY TALKS</b> Science Group E – Progress in neutron transport and instrumentation, <i>P. Böni</i> Science Group F – Particle physics at ultimate precision with cold and ultra-cold neutrons, <i>H. Abele</i>				
10:00	PARALLEL SESSIONS – MLZ Science Road Map	A	B	C	D
11:00	Coffee break				
11:30	<b>PLENARY TALK – Small-angle neutron scattering: a pivotal role in biomolecular structure-function determination, <i>O. Byron</i></b>				
12:00	<b>FEEDBACK</b> from Science Groups				
13:00	Lunch				

## Location

