

Agenda McPhase Workshop

06. – 07. November 2014

Organised by MLZ Group „Quantum Phenomena“ Heinz Maier-Leibnitz Zentrum (MLZ),
JCNS and Technische Universität München, Lichtenbergstrasse 1, D-85748 Garching b. München

Martin Rotter, McPhase project

Michael Loewenhaupt, Institut für Festkörperphysik, TU Dresden

Jens Jensen, Niels-Bohr-Institutet, Copenhagen University

Manh Duc Le, Center for Correlated Electron Systems, Seoul National University

Thursday, 06.11.2014

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|-------|---|----------------------------|
| 09:00 | Welcome and general information | A. Schneidewind |
| 09:15 | Program installation, first steps and general remarks | M. Loewenhaupt |
| 10:35 | Coffee break | |
| 11:10 | Practical training on crystal field problems I – susceptibility, magnetization, specific heat, neutron scattering | M. Loewenhaupt / M. Rotter |
| 12:40 | Joint Lunch (Canteen at MPI für Plasmaphysik, Boltzmannstrasse 2, D-85748 Garching b. München) | |
| 13:45 | Practical training on crystal field problems II – neutron scattering on single crystals, fitting of CF parameters | M. Loewenhaupt / M. Rotter |
| 14:45 | Practical training on magnetic structures and phase diagrams I - simple AFM, bulk properties | Duc Manh Le / M. Rotter |
| 15:45 | Coffee break | |
| 16:20 | Practical training on magnetic structures and phase diagrams II - neutron diffraction & anisotropic magnetic form factors, complex interactions, non-collinear structures | Duc Manh Le / M. Rotter |
| 17:20 | User problems | Duc Manh Le / M. Rotter |
| 19:10 | Beer at JCNS Building | |

Friday, 07.11.2014

09:00 Practical training on excitations I –
dispersive excitations, spin waves

M. Rotter/ Duc Manh Le / J. Jensen

10:30 Coffee break

10:45 Practical training on excitations II -
quadrupolar excitations,
anisotropic form factors at high energy transfer

M. Rotter/ Duc Manh Le / J. Jensen

11:45 User Problems: „McDisp – excitations“

M. Rotter/ Duc Manh Le

Open end,
concluding remarks by A. Schneidewind
opportunity to discuss with guests and participants