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Vienna University of Technology

INSTITUT FÜR
FESTKÖRPERPHYSIK

Institute of Solid State Physics

Wiedner Hauptstraße 8-10/138, 1040 Wien, AUSTRIA – T: +43-1-5880113801 / F: +43-1-5880113899 – E: sekretariat@ifp.tuwien.ac.at

EINLADUNG zum IFP-SEMINAR

Thema: **Neutron scattering studies of f-electron systems**

Vortragender: **Pavel Javorský**
Charles University, Prague

Termin: **Montag, 26 Jänner 2015, 12 Uhr**

Ort: Institut für Festkörperphysik, TU Wien
Wiedner Hauptstraße 8-10, 1040 Wien
Seminarraum 138C, 9. OG (gelbe Leitfarbe)

Host: Silke Bühler-Paschen
Förderer: ERC-AdG-227378 QuantumPuzzle

The neutron scattering is a powerful microscopic tool how to investigate both the static and dynamic properties of materials. The thermal neutrons have a suitable wavelength to investigate the structure of solids or molecules and have also a suitable energy to study most of the dynamic processes in various types of materials. Beside some short general introduction, I focus on some examples of magnetic systems studied in our department by different neutron scattering techniques: powder diffraction, Laue single crystal diffraction, use of polarized neutrons, inelastic neutron scattering. Finally, I present some basic introduction to the new ThALES triple-axis spectrometer installed in ILL.



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