

Lectures

All following lectures will begin at 09:30 and 10:30 (room 203, building 114).

- 30.07. **Materials characterization using ion beam analysis techniques – René Heller**
 The multi-barrier nuclear waste repository: research for a long-term safety assessment
 – Natalia Mayordomo Herranz
- 01.08. **Modern iterative image reconstruction in Positron Emission Tomography – Pavel Nikulin**
 From Plastics to Planets: Studying High Pressures in the Laboratory – Nicholas Hartley
- 06.08. **Flexible operation of chemical industries – Gonzalo Rodriguez Garcia**
 Carbon monoxide-releasing molecules for medical applications – Manja Kubeil
- 08.08. **Cellular Effects of Ionizing Radiation - Introduction to radiooncology**
 – Treewut Rassamegevanon
 Big Bang Nucleosynthesis in the Laboratory – Daniel Bemmerer
- 13.08. **Simulations of irradiation effects in solids – Arkady Krasheninnikov**
 Molecular Geochemistry in the Context of Nuclear Waste Disposal – Moritz Schmidt
- 15.08. **Microresonator ferromagnetic resonance measurement on magnetic tunnel**
 junctions to investigate thermal spin transfer torque – Hamza Cansever
 Small Magnetic Elements, Spin Waves and more... – Helmut Schultheiß
- 20.08. **Molecular electronics – Artur Erbe**
 Current-induced dynamics in MgO-based spin-torque nano-oscillator – Ewa Kowalska
- 22.08. **Electron sources for accelerators, brighter, faster and more stable – Rong Xiang**
 Laboratory astrophysics and high-power laser experiments – Katerina Falk
- 27.08. **High-resolution nanofabrication – Yordan Georgiev**
 Thermal treatment of materials on short time scales – Lars Rebohle
- 29.08. **Doping semiconductors beyond the solid solubility limit: from bulk to nanostructures**
 – Yonder Berencen

29.08. → Building 106, Auditorium at 11:00 a.m.

Presentation of first Results – Summer Students