

Lectures

Welcome and Introduction to the Topics of Science at the HZDR

Roland Sauerbrey, Scientific Director of the HZDR

31.07. 2017, 04:30 p.m. - Building 712, Room 138

After that „Get-together with BBQ“

All following lectures will begin at 09:30 and 11:30 (each in Building 712, Room 138).

- 01.08. **Laser-Matter Interaction under Extreme Conditions – Michael Bussmann**
Iterative Image Reconstruction in Positron Emission Tomography – Pavel Nikulin

- 03.08. **Spin Transfer Torque Devices – Ciaran Fowley**
Development of Novel PET Radioligands for Imaging in Cancer Research – Peter Brust

- 08.08. **Big Bang Nucleosynthesis in the Lab – Daniel Bemmerer**
Steering Magnons in Spin Textures – Helmut Schultheiß

- 10.08. **Defects in Solids – Maciej Oskar Liedke**
High-field THz Pulses and their Applications in Nonlinear Spectroscopy – Oleksiy Pashkin

- 15.08. **Severe Accidents in Nuclear Power Plants – Polina Wilhelm**
Monte Carlo Methods in Nuclear and Particle Physics – Stefan Müller

- 17.08. **Ion Beams and Magnetism – Rantej Bali**
Introduction to Nuclear Reactor Modeling and Simulation – Emil Fridman

- 22.08. **Flexible Electronics: from Interactive On-skin Devices to In vivo Applications – Denys Makarov**
Time and Self-Management for Students – Sandro Freudenberg

- 24.08. **Infrared and THz spectroscopy of condensed matter – Manfred Helm**
Start at 09:15 !

- 29.08. **Introduction to Ferromagnetic Resonance – Kilian Lenz**
Simulations of Irradiation Effects in Solids – Arkady Krasheninnikov

- 31.08. **Magnetic Nanostructures – Anna Semisalova**
Career Possibilities at the HZDR – Short Report of a Former Summer Student – Aleksandra Titova

- 05.09. **Presentation of first Results – Summer Students**
→ new: Building 801, Room # 142