

Lectures

Welcome and Introduction to the Topics of Science at the HZDR

Roland Sauerbrey, Scientific Director of the HZDR

23.07. 2018, 04:30 p.m. - Building 712, Room 138

After that „Get-together with BBQ“

All following lectures will begin at 09:30 and 11:00 (mostly in Building 114, Room 202).

- 31.07. **Magnetic Functionalities for Flexible Interactive Electronics – Denys Makarov**
Materials characterization using ion beam analysis techniques – René Heller

- 02.08. **What Needs to be Done to Ensure a Sufficient Supply of Critical Raw Materials? – Axel Renno**
Career Possibilities at the HZDR – Short Report of a Former Summer Student – Aleksandra Titova

- 07.08. **Ferromagnetic Resonance – Anna Semisalova**
Magnons in nanostructures: Basics and advanced concepts for Magnonics - Helmut Schultheiß
→ Building 801, Room 141

- 09.08. **Defects in solids – Maciej Oskar Liedke**
Laboratory astrophysics and high-power laser experiments – Katerina Falk

- 14.08. **Electron sources for the accelerator facilities – Rong Xiang**
Handling Data and Software in Times of OpenScience – Guido Juckeland

- 16.08. **Spin-transfer torque and its applications – Ciaran Fowley**
Modern iterative image reconstruction in Positron Emission Tomography – Pavel Nikulin

- 21.08. **Development of radiotracers for imaging of tumour-associated enzymes – Reik Löser**
Laser-Plasma Interactions and their applications – Michael Bussmann

- 23.08. **Underground Nuclear Astrophysics – Tamas Szücs**
Laser proton acceleration and applications – Karl Zeil

- 28.08. **Non-equilibrium doping of semiconductors: from bulk to nanostructures – Yonder Berencen**
Monte Carlo Methods in Particle and Nuclear Physics - Stefan Müller

- 30.08. Presentation of first Results – Summer Students**
→ Building 106, Auditorium