

The programme of the PEARL miniworkshop

Friday, July 06, 2018

Venue: Institut für Kernphysik Universität Mainz J.-J.-Becher-Weg 45, 55128 Mainz, Germany
<http://www.mbnresearch.com/pearl-miniworkshop-2018>

- **13.00 - 13.30.** Hartmut Backe (Uni-Mainz): "Channeling experiments at planar diamond and silicon single crystals with electrons from the Mainz Microtron MAMI".
- **13.30 - 14.00.** Werner Lauth (Uni-Mainz): "Characterization of Crystalline Undulators at the Mainz Microtron MAMI"
- **14.00 - 14.30.** Alexey Sytov/Laura Bandiera/ Vincenzo Guidi (UNIFE-INFN, Ferrara): "Channeling experiments with bent crystals at the Mainz Microtron."
- **14.30 - 15.00.** Andrey V. Solov'yov (MBN-RC, Frankfurt am Main): "Simulations of channeling and radiation processes in oriented crystals with MBN Explorer."

- **15.00 - 15.30. Coffee break.**

- **16.00 - 16.30.** Victor Tikhomirov (INP, Minsk): "Theoretical models and simulations of high energy electron radiation in oriented crystals".
- **16.30 - 17.00.** Sergey Maksimenko (INP, Minsk): "Propagation and generation of electromagnetic waves in graphene-based nanostructures".
- **17.00 - 17.30.** Alexander Lobko (INP, Minsk): "Parametric x-rays in crystals: prospects for application".
- **17.30 - 18.00.** Nigel Mason (OU, Milton Keynes): "Exploitation of crystalline undulator radiation in high energy astrophysics"

- **18.00 - 18.30. Tour to MAMI accelerator guided by Werner Lauth**

- **19.00 Conference dinner at the restaurant "Zum Gebirg" <http://www.zumgebirg.de> (on its own expense / freiwillig)**