

HZDR SUMMER STUDENTS PROGRAM 2019

Students' Presentations

29.08.2019, 11:00 a.m. Auditorium

11:00 – Vera Sereda

Synthesis, Functionalization and Characterization of Ruthenium(II)-based Carbon Monoxide-releasing Molecules

11:15 – Muhammed Enes Cevik

The Cell Cycle Analysis of Xenograft Tumors after Combination of Radiotherapy and Yttrium 90-cetuximab

11:30 – Adel Iusupov

Modeling of Proton Exchange Membrane Electrolyzer for Hydrogen Production Based on a Flexible Electricity

11:45 – Tsuyoshi Anthony Kohlgruber

Sorption Studies of U60 Nanoclusters onto Muscovite

12:00 Lunch Break

13:00 – Natalya Mandrova

Green Rust (Corrosion Product) as Sorbent of Technetium-99

13:15 – Ekaterina Kochetkova

Hydrodynamic Simulation of Laser Shock Compression

13:30 – Viktoriia Zakharova

Construction and Characterisation of a Heater Beamlines for Warm Dense Matter Experiments at the DRACO Laser Facility

13:45 – Vladimir Ladygin

Effect of Ion Cluster Irradiation on MoS₂ 2D Material

14:00 Break

14:20 – Polina Vaganova

Charge Exchange Investigations of Slow Highly Charged Ions passing a Gas Target - Commissioning of a new Setup at IBC and Initial Measurements

14:35 – Alejandro Garcia Munoz

Nickel Germanide Formation by Sputtering and Flash Lamp Annealing

14:50 – Veronica Guardia Arce

G Center in Silicon for Quantum Technology

15:05 – Scott Bennett

In-plane Dynamics of MgO based Spin Torque Nano-oscillators

15:20 Coffee Break

15:35 – Anna Sidorenko

Optically Detected Magnetic Resonance in SiC

15:50 – Andrei Luferau

Electrical Characterisation of Silicon Back-Gated Reconfigurable Field Effect Transistors

16:05 – Valentin Samokhin

Feature Detection in Molecular IV Data

16:20 – Oguzhan Oguz (Erasmus student)

Vortex Dynamics in Disks with Tailored Magnetizations