

HZDR SUMMER STUDENTS PROGRAM 2018

Students' Presentations

30.08.2018, 09:30 a.m. Auditorium

hzdr



HELMHOLTZ
ZENTRUM DRESDEN
ROSSENDORF

Masato Ota

Development of SAXS Online Diagnostics for High Intensity Laser Experiment

Nastassya Horlava

Applying Deep Learning Methods for Compressing MRI Raw Data

Manuel Xarepe

Particle Transport Simulation for the ELBE Positron Beamline

Lenka Hronova

Optical Setup for Focusing Ring-shaped Laser Beam

Oleksandr Sheka

Magnetically Capped Janus Micromotors

Yuting Yang

Longitudinal Distribution Measurement of the UV Laser at ELBE SRF Gun

Sofya Konyzheva

The Measurement of Magnetic Field Distribution for Magnetic Lens

Alexander Evseev

Charge Fraction Measurements of Back-scattered Particles in Medium Energy Ion Scattering

Starykh Elizaveta

Investigation of Thermal Vacancies at the AIDA System

Luka Palada

Y-Background in Felsenkeller

Agnieszka Lewandowska

Synthesis and Pharmacological Optimisation of a Peptide Based Radiotracer

Yizhou Liu

GATE Simulations of Philips Ingenuity-TF PET/MR

Nikita Nechaev

Junctionless Si Nanowire-based Infrared Phototransistor

Alexander Buzdakov

Spin Wave Transport in a Low-loss CoFe Alloy

Dipa Ghindani

Investigation of Magnetic Tunnel Junction (MTJ) with Zero Moment Half Metallic Electrode

Anton Khanas

Magnetization Dynamics in Laterally Patterned FeAl Thin Films

Lubomir Gabris

Crystallographic Orientation Effects on Secondary Ion Mass Spectrometry

Guest: **Caini Zheng** (Zhiyuan Program of Shanghai Jiao Tong University)

Electrical and Magnetic Properties of Porous Carbon