

Session Program

Jun 21 - 23, 2017



International EMMI Workshop on Plasma Physics at FAIR, GSI Darmstadt, June 21 - 23, 2017

Poster Session with Coffee break

Main Lecture Hall

Wed, June 21

4:00 PM

Poster Session with Coffee break

Poster Session | Location: Nebenraum Kantine

Development of metal plate launcher setup for VISAR doppler velocimeter test and calibration.

Speaker

Mr Roman Gavrilin

High-energy proton microscopy at INR proton linac (proposal)

Speaker

Dr Alexey Kantsyrev

Improved description of ion stopping in moderately coupled and partially degenerate plasma

Speaker

Dr Piotr Raczka

Diagnostical methods for high energy resolution spectroscopy of the target and projectile X-ray- uorescence

Speaker

Mr Sero Zaehter

Kelvin-Helmholtz instability in viscous warm dense matter

Speaker

Dr Claudia-Veronika Meister Meister

Synchrotron radiation of polarized electron beams in laser wake eld acceleration

Speaker

Ms Daria Pugacheva

Radiation-hydrodynamic simulations of backlighter options for FAIR

Speaker

Dr Steffen Faik

Harmonic Generation In Magnetized Quantum Plasma with Separate Spin-up and Spin-down Evolution of Degenerated Electrons

Speaker

Dr Punit Kumar

Ion acceleration using a flattop laser beam

Speaker

Masoud Afshari

Spectroscopic studies of the parameters of plasma jets during their propagation in the background plasma on the PF-3 facility

Speaker

Dr Sergey Ananyev

Recovery of shock-synthesized diamond and lonsdaleite from laser-driven graphite and plastic samples

Speaker

Ms Anja Katharina Schuster

Evidence of Strong Damping in Raman Amplification: Comparison between Simulations and Experiment

Speaker

John Farmer

Effects of the finite thickness on the Rayleigh-Taylor instability in elastic solid slabs

Speaker

Ms Sofia A. Piriz

Numerical simulation of proton-radiographic facilities at Geant4

Speaker

Mr Aleksei Skobliakov

Electron acceleration in the interaction of intense laser pulses with sharp plasma density profile

Speaker

Dr Leonid Pugachev

Investigation of Shock Wave Properties of Porous Materials for Experiments at PRIOR

Speaker

Mrs Alla Zubareva

THE INSTABILITY OF SHEAR VORTEX WAVES IN A VISCOELASTIC DUSTY PLASMA SYSTEMS: BY LOCAL APPROXIMATION METHODE

Speaker

Dr Marjan MahdaviGharavi

Development of a diagnostic for ultra-intense laser plasma experiments based on frequency resolved optical gating

Speaker

Johannes Hornung

Magnetorotational Instability in Collisional Weakly Ionized and Magnetized Electron-Positron-Ion Plasmas

Speaker

Mrs samira Tajik nezhad

Gamma ray bursts from relativistic laser plasma interaction with solids

Speaker

Prof. Andrey Savel'ev

A light-gas driver for studies on material properties with PRIOR

Speaker

Michael Endres

Model of swift heavy ion tracks excitation

Volume laser destruction in the silica

Speaker

Dr Vladimir Efremov

Stability of nano and microdiamonds to the action of heavy ions. Thermophysical properties of micro and nanodiamonds at the heating

Speaker

Ms Ekaterina Zakatilova

Ultra-high energy density physics in aligned nanowire arrays

Speaker

Mr Vural Kaymak

Line-imaging VISAR System for Laser-Driven Experiments

Speaker

Dr Konstantin Gubskiy

Laser-induced ablation plasma: time and space-resolved spectroscopy. Applications

Speaker

Prof. Silviu Gurlui

Remagnetization of PMQ lenses for PRIOR and PUMA proton microscopes

Speaker

Mr Vsevolod Panyushkin

5:45 PM