



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

## Wednesday 21 June 2017

### Poster Session with Coffee break - Nebenraum Kantine (16:00-17:45)

| [id] title   | presenter                   | board |
|--|-----------------------------|-------|
| [54] Synchrotron radiation of polarized electron beams in laser wake field acceleration  | Ms PUGACHEVA, Daria         |       |
| [42] Investigation of Shock Wave Properties of Porous Materials for Experiments at PRIOR   | Mrs ZUBAREVA, Alla          |       |
| [22] Gamma ray bursts from relativistic laser plasma interaction with solids   | Prof. SAVEL'EV, Andrey      |       |
| [43] Electron acceleration in the interaction of intense laser pulses with sharp plasma density profile                                  | Dr PUGACHEV, Leonid         |       |
| [24] Line-imaging VISAR System for Laser-Driven Experiments  | Dr GUBSKIY, Konstantin      |       |
| [25] Ultra-high energy density physics in aligned nanowire arrays  | Mr KAYMAK, Vural            |       |
| [26] Stability of nano and microdiamonds to the action of heavy ions. Thermophysical properties of micro and nanodiamonds at the heating | Ms ZAKATILOVA, Ekaterina    |       |
| [27] Volume laser destruction in the silica  | Dr EFREMOV, Vladimir        |       |
| [20] Model of swift heavy ion tracks excitation  |                             |       |
| [21] A light-gas driver for studies on material properties with PRIOR  | ENDRES, Michael             |       |
| [48] Remagnetization of PMQ lenses for PRIOR and PUMA proton microscopes   | Mr PANYUSHKIN, Vsevolod     |       |
| [44] Development of a diagnostic for ultra-intense laser plasma experiments based on frequency resolved optical gating                   | HORNUNG, Johannes           |       |
| [45] THE INSTABILITY OF SHEAR VORTEX WAVES IN A VISCOELASTIC DUSTY PLASMA SYSTEMS: BY LOCAL APPROXIMATION METHODE                        | Dr MAHDAVIGHARAVI, Marjan   |       |
| [41] Numerical simulation of proton-radiographic facilities at Geant4  | Mr SKOBLIAKOV, Aleksei      |       |
| [5] Effects of the finite thickness on the Rayleigh-Taylor instability in elastic solid slabs  | Ms PIRIZ, Sofia A.          |       |
| [6] Evidence of Strong Damping in Raman Amplification: Comparison between Simulations and Experiment                                     | FARMER, John                |       |
| [9] Recovery of shock-synthesized diamond and lonsdaleite from laser-driven graphite and plastic samples                                 | Ms SCHUSTER, Anja Katharina |       |
| [39] Ion acceleration using a flattop laser beam   | AFSHARI, Masoud             |       |
| [47] Magnetorotational Instability in Collisional Weakly Ionized and Magnetized Electron-Positron-Ion Plasmas                            | Mrs TAJIK NEZHAD, samira    |       |
| [14] Harmonic Generation In Magnetized Quantum Plasma with Separate Spin-up and Spin-down Evolution of Degenerated Electrons             | Dr KUMAR, Punit             |       |
| [13] Spectroscopic studies of the parameters of plasma jets during their propagation in the background plasma on the PF-3 facility       | Dr ANANYEV, Sergey          |       |

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| <b>[19] Radiation-hydrodynamic simulations of backlighter options for FAIR</b>  | Dr FAIK, Steffen                        |  |
| <b>[51] Diagnostical methods for high energy resolution spectroscopy of the target and projectile X-ray- uorescence</b> | Mr ZAEHTER, Sero                        |  |
| <b>[36] Laser-induced ablation plasma: time and space-resolved spectroscopy. Applications</b>                           | Prof. GURLUI, Silviu                    |  |
| <b>[34] High-energy proton microscopy at INR proton linac (proposal)</b>  | Dr KANTSYREV, Alexey                    |  |
| <b>[55] Development of metal plate launcher setup for VISAR doppler velocimeter test and calibration.</b>               | Mr GAVRILIN, Roman                      |  |
| <b>[57] Kelvin-Helmholtz instability in viscous warm dense matter</b>   | Dr MEISTER,<br>Claudia-Veronika Meister |  |
| <b>[50] Improved description of ion stopping in moderately coupled and partially degenerate plasma</b>                  | Dr RACZKA, Piotr                        |  |