

Verbundforschungsmeeting

6. September 2017, GSI Helmholtzzentrum für Schwerionenforschung GmbH, GSI Hörsaal Seitenraum, 12:30 – 17:30

Program

12:30 – 13:00 Welcome, Coffee

Session 1 – Introduction to APPA.de/plasma physics – Chair: M. Roth

13:00 – 13:10 A. Golubev Status of the HEDatFAIR collaboration (10')

13:10 – 13:30 V. Bagnoud BMBF Verbundforschung and APPA.de (15' + 5')

Session 2 – Existing activities – Chair: A. Blazevic

13:30 – 13:45 C. Spielmann Plasma Spectroscopy (10' + 5')

13:45 – 14:00 M. Roth Targets and Diagnostics for FAIR and ELI (10' + 5')

14:00 – 14:15 M. Zimmer Laser Driven Neutron Sources and their Applications (10' + 5')

14:15 – 14:30 J. Hein Diode Pumped Frontend for High Energy Nd:Glass Lasers (10' + 5')

14:30 – 14:45 M. Patrizio Development of an Actively Cooled Glass Amplifier at PHELIX (10' + 5')

14:45 – 15:00 An. Tauschwitz Radiation Hydrodynamics Modeling of Ion-Beam and Laser-Produced Plasmas at GSI and FAIR (10' + 5')

Coffee break and discussion round – Chair: V. Bagnoud

15:00 – 15:10 A. Blazevic Introduction FAIR Topics and FAIR Core invest (10')

15:10 – 15:30 All Discussion Round

Session 3 – New proposals – Chair: P. Neumayer

15:30 – 15:45 B. Witte Determining the Physical Properties of WDM (10' + 5')

15:45 – 16:00 J. Schreiber Advanced Single Shot Diagnostics for High-Power Laser Pulses and Laser-Accelerated Particle Bunches (10' + 5')

16:00 – 16:15 S. Zähler Applications of X-Ray Target and Projectile Fluorescence for Diagnostics at FAIR (10' + 5')

16:15 – 16:30 B. Aurand Novel Targets for Laser Ion Acceleration (10' + 5')

16:30 – 16:45 A. Müller-Münster Development and Investigation of an Fast Underwater Electrical Wire Explosion Experiment for PRIOR (10' + 5')

Session 4 – Discussion – Chair V. Bagnoud

16:45 – 16:55 M. Roth Introduction (10')

16:55 – 17:30 All Discussion

Conclusion 17:30