

DESY-TEMF Meeting

Thursday, 20th of October 2022, 09:00 to 16:30

TEMF, TU Darmstadt, Schlossgartenstrasse 8, Room 114

09:00 – 10:00 *Undulator Impedances*

Frederik Quetscher: Trapped mode analysis for the PETRA-3 IVUs (20+10)

Sergey Antipov: Status of couple-bunch stability studies for PETRA (20+10)

10:00 – 11:50 *Intrabeam Scattering and THz Radiation*

Jonas Christ: Scattering Field Formulation for Wakefield and Space Charge Calculations (20+10)

10:30 – 11:00 *Coffee Break*

Max Kellermeier: Constant Gradient Tapering of a Dielectric Loaded Waveguide for THz Acceleration (10+10)

Mikhail Krasilnikov: THz SASE FEL at PITZ: Results from first lasing runs (20+10)

11:50 – 12:30 *Fast ramped Magnets*

Jan-Magnus Christmann: Finite-Element Simulation of Eddy-Current Effects in Orbit Corrector Magnets (25+15)

12:30 – 14:00 *Lunch Break*

14:00 – 16:30 *Cavities: HOMs, Couplers and Tuners*

Sergey Stokov: Thermal simulation of PETRA IV beam diagnostic devices (20+10)

Wolfgang Ackermann: HOM Coupler Studies for the SRF Gun (20+10)

15:00 – 15:20 *Coffee Break*

Ali Rajabi: Resistive wall impedance in vacuum chambers with general cross sections (20+10)

Leon Kronshorst: Improving the representation of the real HOM damper by optimizing its current simplistic simulation model (10+10)

Wolfgang Müller: Cavity Simulations for PETRA IV (10+10)

16:30 *End of Meeting*