

DESY-TEMF Meeting

Friday, June 28, 2024, 09:00 to 16:00

TEMF, TU Darmstadt, Schlossgartenstrasse 8, Seminar Room 114

09:00 – 10:00 *Signal Processing and Synchronisation*

Wolfgang Ackermann: Forensic analysis of the TESLA-pickup signal-processing unit (20+10)

Holger Schlarb: Latest Results on Femtosecond Synchronization (20+10)

10:00 – 11:30 *Magnets*

Laura D'Angelo: Updated Reduced Magnetic Vector Potential Method for Superconducting Accelerator Magnets (20+10)

10:30 – 11:00 *Coffee Break*

Jan-Magnus Christmann: Towards Efficient Nonlinear Simulations of the Fast Corrector Magnets for PETRA IV (20+10)

11:30 – 15:00 *Guns, Couplers, Cavities; Wakes and Impedances*

Margarita Bulgacheva: Nanostructured Copper Photocathode Development (20+10)

Frederik Quetscher: Updates on Methods and Model in Impedance Simulations for an IVU at PETRA (20+10)

12:30 – 14:00 *Lunch Break*

Leon Kronshorst: Single Mode Cavity for 3rd Harmonic System (20+10)

Jonas Christ: Coupled Space Charge and Wakefield Simulations of a TW-Gun (20+10)

15:00 – 15:30 *Coffee Break*

15:30 – 16:00 *General Discussion*

16:00 *End of Meeting*