

DESY-TEMF-CANDLE Meeting

Tuesday, 21st of September 2021, 09:00 to 13:00

Zoom Meeting (Meeting-ID: 831 3995 4335, Passcode: 833695)

Zoom Link: <https://tu-darmstadt.zoom.us/j/83139954335?pwd=aE8yZEp2WEVPcUhVZDFHN3hHUGdVZz09>

09:00 – 09:50 *CSR and THz Radiation*

Martin Dohlus: CC, Continuous Charge Approach (15+5)

Wolfgang Ackermann: Numerical Analysis of Wave Propagation in a Tapped Hole
used as a Slow Wave Structure (20+10)

09:50 – 10:40 *Cavities and Magnets*

Herbert De Gerssem: Calculating Losses in AC Accelerator Magnets (15+5)

Wolfgang Ackermann: Numerical Analysis of a QPR Resonator (20+10)

10:40 – 11:00 *Coffee Break*

11:00 – 11:40 *Electron Gun Simulations and PETRA Cavities*

Steffen Schmid: Energy-Binning Fast Multipole Method for Electron Injector Simulations (15+5)

Wolfgang Müller: Numerical Simulation of Fundamental Mode Coupling and
Higher Order Modes in PETRA Cavities (15+5)

11:40 – 12:00 *Coffee Break*

12:00 – 13:00 *Discussion and Future Projects*

Herbert De Gerssem: Proposals for the DESY-TEMF 2022-2024 Collaboration (15+5)