

Session Program

13 May 2026

KfB-Verbundforschungsworkshop "Teilchen 2027-2030"

Kurzvorstellung der Projektvorschläge der Universitäten

online, Zoom

Wednesday 13 May

11:00

Kurzvorstellung der Projektvorschläge der Universitäten

Session | **Location:** online, Zoom | **Convener:** Florian Hug

11:03–11:06

Projects in Proton-driven Plasma Wakefield Acceleration

Speaker

Allen Caldwell

11:06–11:09

Coupling Beam Dynamics and Wakefields for CSR wakes

Speaker

Jonas Christ

11:09–11:12

Studying systematic effects in storage rings for EDM measurements

Speaker

Kurt Aulenbacher

11:12–11:15

Photoemission study of nanostructured plasmonic photocathodes

Speaker

Margarita Bulgacheva

11:15–11:18

R&D for Future Circular Collider Applications with Stored Spin Polarized Electron Beams at ELSA

Speaker

Michael Switka

11:18–11:21

HTS-Magnettechnologie

Speaker

David Saez de Jauregui

11:21–11:24

Additive Manufacturing (AM) for Efficient Particle Accelerators

Speaker

Michael Mayerhofer

11:24–11:27

Ion Bunch Energy Acoustic Tracing (IBEAT)

Speaker

Prof. Jörg Schreiber

11:27–11:30

Pulsed carrier-envelope-phase detection for beam stabilization

Speaker

Benedikt Krause

11:30–11:33

Additive Manufacturing of an Ionization Profile Monitor (IPM) Grid

Speaker

Stephan Klaproth

11:33-11:36

Temporal electron beam measurements of a pulsed electron lens for space charge compensation**Speaker**

Stephan Klaproth

11:36-11:39

Beam Dynamics for reaching best energy spread in ERLs**Speaker**

Florian Hug

11:39-11:42

Longitudinal ERL Beam Dynamics for High Efficiency Injection**Speaker**

Florian Hug

11:42-11:45

Fast Rective Tuner Developments for Sustainable Operation of SRF Systems**Speaker**

Florian Hug

11:45-11:48

Co-sputtering optimization for QPR tests - Nb₃Sn at ATFT**Speaker**

Márton Major

11:48-11:51

Polarization & spin tracking in plasma accelerators**Speaker**

gudrid moortgat-pick

11:51-11:54

FEM-Based State Space Concatenation for Coupled RF Cavity Simulation**Speaker**

Sosoho-Abasi Udongwo

11:54-11:57

Optimization and modeling of a Fast Reactive Tuner for 1.3 GHz TESLA cavities at MESA**Speaker**

Prof. Simon Adrian

11:57-12:00

Multiscale numerical modeling of superconducting RF cavities**Speaker**

Simon Adrian

12:15