

Session Program

Sep 24 - 26, 2025



FELs of Europe Workshop

Electron beam and FEL pulse diagnostics (including machine learning)

Laguna Palace Hotel Grado, Italy

Thu, September 25

2:00 PM

Electron beam and FEL pulse diagnostics (including machine learning) Session

2:05 – 2:25 PM

5D Phase space reconstruction at DESY and PSI

Speaker

Philipp Dijkstal

2:25 – 2:45 PM

Machine-learning-enhanced automatic spectral characterization of x-ray pulses from a free-electron laser

Speaker

Danilo Ferreira de Lima

2:45 – 3:05 PM

Double blind holography to reconstruct FEL SASE pulses

Speaker

Oliviero Cannelli

3:05 – 3:25 PM

Single-shot electro-optic detection at MHz repetition of THz FEL pulses (envelope and carrier) at FELBE using diversity scheme and advanced reconstruction algorithms and applications to electron bunch measurements at EuxFEL and FLASH

Speaker

Quentin Demazeux

3:25 PM