

Session Program

14-16 Apr 2026



Workshop on Longitudinal Electron beam Dynamics for coherent light Sources 2026 (LEDs 2026)

Session 5

Helmholtz-Zentrum Berlin für Materialien und Energie GmbH/ BESSY II, Lecture Hall
Helmholtz-Zentrum Berlin für Materialien und Energie GmbH (HZB) Albert-Einstein-Straße 15 D-12489
Berlin

Wednesday 15 April

13:55

Session 5: fs and sub-fs FEL pulses

Session |

Location: Helmholtz-Zentrum Berlin für Materialien und Energie GmbH/ BESSY II, Lecture Hall, Helmholtz-Zentrum Berlin für Materialien und Energie GmbH (HZB) Albert-Einstein-Straße 15 D-12489 Berlin |

Convener: Cristina Vaccarezza

14:00–14:25

Recent results from laser-based bunch shaping at FLASH

Speaker

Philipp Amstutz

14:25–14:50

Experimental generation of petawatt peak power electron beams via laser heater shaping at FACET-II

Speaker

Claudio Emma

14:50–15:15

Coherent sub-femtosecond x-ray FEL pulses with low-charge electron beams

Speaker

Eduard Prat

15:15–15:40

Attosecond pulse generation and relevant electron beam dynamics at the EuXFEL

Speaker

Svitozar Serkez

15:40–16:10

Round Table

Speaker

Cristina Vaccarezza

16:10