

Session Program

14-16 Apr 2026



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

Session 1

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

Tuesday 14 April

13:55

Session 1: Advancements in RF photo-injectors and optimization strategies

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: Atoosa Meseck

14:00-14:25

Balance of bunch compression and emittance preservation for high-brightness X-ray FEL injectors

Speaker

Can Davut

14:25-14:50

Longitudinal emittance improvement by shortening injector laser pulse duration

Speaker

Roberta Provvedi

14:50-15:15

Beam dynamics optimization for a higher-brightness photo injector with various photocathode laser pulse shape

Speaker

Sumaira Zeeshan

15:15-15:40

Collective and surface charge effects in high-brightness electron bunch production for FCC-ee injector

Speaker

Anahita Omoumi

15:40-16:10

Round Table

Speaker

Atoosa Meseck

16:10