

Session Program

26-31 Jul 2026



Advanced Accelerator Concepts 2026

A6-Working group # 6

Luskin Conference Center, UCLA

Monday 27 July

16:00

A6-Working group # 6

Session | **Location:** Luskin, Legacy A

16:00–16:20

Experimental Design and First Results from the Plasma-Driven Attosecond X-Ray Experiment at FACET-II

Speaker

Rafi Hessami

16:20–16:40

Experimental demonstration of high-repetition-rate isolated attosecond pulses from a X-ray free-electron laser

Speaker

Veronica Guo

16:40–17:00

Ultracompact Strong-gain XFELs from High-field Plasma Wakefield Accelerators

Speaker

Bernhard Hidding

17:00–17:20

Over 8 hours of continuous operation of a free-electron laser driven by a laser-plasma accelerator

Speaker

Finn Kohrell

17:20–17:40

Relativistic harmonics in the efficiency limit

Speaker

Jonathan Kennedy

17:40–18:00

Relativistic Plasma Mirrors for Generating Bright Harmonics with Tuneable Polarization

Speaker

Vedin Dewan

18:00

Tuesday 28 July

13:30

A6-Working group # 6

Session | **Location:** Luskin, Legacy A

13:30–13:50

Applications of a Compact Positron Source as a Source of Entangled Gamma Rays

Speaker

Sophie Crisp

13:50–14:10

A laser-based high average yield neutron source for medical applications

Speaker

Prof. Karoly Osvay

14:10–14:30

A platform for radiobiology research using very-high energy (VHEE) laser plasma accelerated electrons at BELLA

Speaker

Lieselotte Obst-Huebl

14:30–14:50

Medical Applications of Ultrasound from Plasma-Accelerated Electrons

Speaker

José Franco Altamirano

14:50–15:10

The Ultra-Compact FEL: High Impact Application to

Speaker

James Rosenzweig

15:10–15:30

Single-event effect microelectronics testing using a compact laser-plasma accelerator electron source

Speaker

Sarah Schröder

15:30

Thursday 30 July

13:30

A6-Working group # 6

Session | **Location:** Luskin, Legacy A

13:30–13:50

Nonlinear Inverse Compton Scattering experiments enabled by Long-Wave Infrared Laser in BNL ATF

Speaker

Yusuke Sakai

13:50–14:10

The STAR Project: Status of the Commissioning of the Compton Light-Source Infrastructure in Southern Italy.

Speaker

Luigi Faillace

14:10–14:30

Inverse Compton X-ray Source Commissioning at RadiaBeam

Speaker

Maksim Kravchenko

14:30–14:50

Energy-resolved measurement of individual GeV muons from the BELLA PW Laser-Plasma Accelerator

Speaker

Davide Terzani

14:50–15:10

Muon scattering tomography with laser-plasma-accelerator-driven muon source

Speaker

Kristjan Pöder

15:10–15:30

Development of laser-plasma accelerators at HZDR for FEL applications

Speaker

Susanne Schöbel

15:30

16:00

A6-Working group # 6

Session | **Location:** Luskin, Legacy A

16:00–16:20

An MeV X-ray source from Laser Wakefield Acceleration based betatron radiation

Speaker

Isabella Pagano

16:20–16:40

Direct laser acceleration and betatron radiation in arbitrary-velocity wakefields

Speaker

Lavonne Mack

16:40–17:00

Shallow-angle and superradiant inverse Compton scattering**Speaker**

Brian Schaap

17:00–17:20

Wavefront shaping of terahertz radiation using two-color flying-focus pulses**Speaker**

Amanda Elliott

17:20–17:40

Coherent Smith-Purcell radiation from plasma-accelerated electrons: a synchronized strong-field terahertz radiation source**Speaker**

Mike Downer

17:40–18:00

Results from the FACET-II E320 Strong-field QED program**Speaker**

Alexander Knetsch

18:00