

Session Program

26-31 Jul 2026



Advanced Accelerator Concepts 2026

Invited Talks

Luskin Conference Center, UCLA

Monday 27 July

08:45

Invited Talks: Plenary

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** J. Power

08:45-09:15

Very high energy electrons from multi-Petawatt LWFA in a transitional regime

Speaker

Calin Hojbota

09:15-09:45

Plasma Injector for Synchrotron Lightsources

Speaker

Andreas Maier

09:45-10:15

Recent Advances in Plasma Wakefield Acceleration at FACET-II

Speaker

Doug Storey

10:15

10:45

Invited Talks: Plenary

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** Howard M. Milchberg

10:45-11:15

Radiation generation and applications from laser-plasma accelerators

Speaker

Jeroen van Tilborg

11:15-11:45

Towards dephasingless LWFA

Speaker

Aaron Liberman

11:45-12:15

Sub-GV/m gradient in Short-Pulse X-Band Photogun: From First Demonstration to Recent Results and Future Developments

Speaker

Gongxiaohui Chen

12:15

Tuesday 28 July

08:45

Invited Talks: Plenary

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** Michael Litos

08:45–09:15 **Progress on Staging of LPAs**

Speaker

Anthony Gonsalves

09:15–09:45

Measurement of the Saturation Length and Reproducibility of the Self-Modulation Instability

Speaker

Arthur Clairembaud

09:45–10:15

Experimental Demonstration of Beam-Driven Wakefield Acceleration in Laser-Plasma Filament

Speaker

mario galletti

10:15

10:45

Invited Talks: Plenary

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** Jens Osterhoff

10:45–11:15

Recent progress on proton focusing using hemi-spherical targets at high repetition rate for proton fast ignition

Speaker

Sophia Malko

11:15–11:45

GeV-Scale Ion Acceleration in Underdense Plasma with a Transverse Flying-Focus Laser Pulse

Speaker

Sida Cao

11:45–12:15

Simulation methods for the plasma injector for Petra IV

Speaker

Maxence Thevenet

12:15

Wednesday 29 July

08:45

Invited Talks

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** Carl Schroeder

08:45–09:15 **The global effort towards a 10 TeV muon collider**

Speaker

Dr Karie Badgley

09:15–09:45

Strong field focusing of high energy particles in beam-multifoil collisions

Speaker

Dr Aimé Matheron

09:45–10:15

Exploring the possibility of emitting axions by intense lasers, FELs and electrons oscillating in LWFA.

Speaker

Prof. Robert Bingham

10:15

10:45

Invited Talks

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** Navid Vafaei-Najafabadi

10:45–11:15 **AAC within the Evolving HEP Landscape: Perspectives from OHEP**

Speaker

Derun Li

11:15–11:45

The EuPRAXIA project: a plasma-based accelerator user facility for the next decade

Speaker

Livio Verra

11:45–12:15

UCLA & the Birth of Plasma Accelerators: From Dawson's Idea to a Worldwide Field

Speaker

Mark Hogan

12:15

Thursday 30 July

08:45

Invited Talks

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** Gwanghui Ha

08:45-09:15

Single-shot reconstruction of electron beam longitudinal phase space

Speaker

Yong Ma

09:15-09:45

Experimental demonstration of Flying-Focus enhanced Thomson scattering

Speaker

Elias Gerstmayr

09:45-10:15

Recent R&D on RF systems for muon collider ionization cooling complex

Speaker

Alexej Grudiev

10:15

10:45

Invited Talks

Session | **Location:** Luskin Conference Center, Ballroom | **Convener:** Nathan Cook

10:45-11:15

Plasma-based compression of electron beams

Speaker

Kelly Swanson

11:15-11:45

High repetition rate LWFA with all-optical guiding for user experiments at ELI Beamlines

Speaker

Gabriele Maria Grittani

11:45-12:15

Spectrotemporal shaping of attosecond X-ray free-electron laser pulses

Speaker

River Robles

12:15

Friday 31 July

08:45

Invited Talks

Session | Location: CNSI, Auditorium | Convener: Renkai Li

08:45-09:15 **Progress in THz acceleration**

Speaker
Prof. Franz Kaertner

09:15-09:45 **Dephasingless laser wakefield acceleration of electrons using a flying focus**

Speaker
Charles Arrowsmith

09:45-10:15 **High-dimensional phase space reconstruction using generative modeling of beam distributions**

Speaker
Juan Pablo Gonzalez-Aguilera

10:15