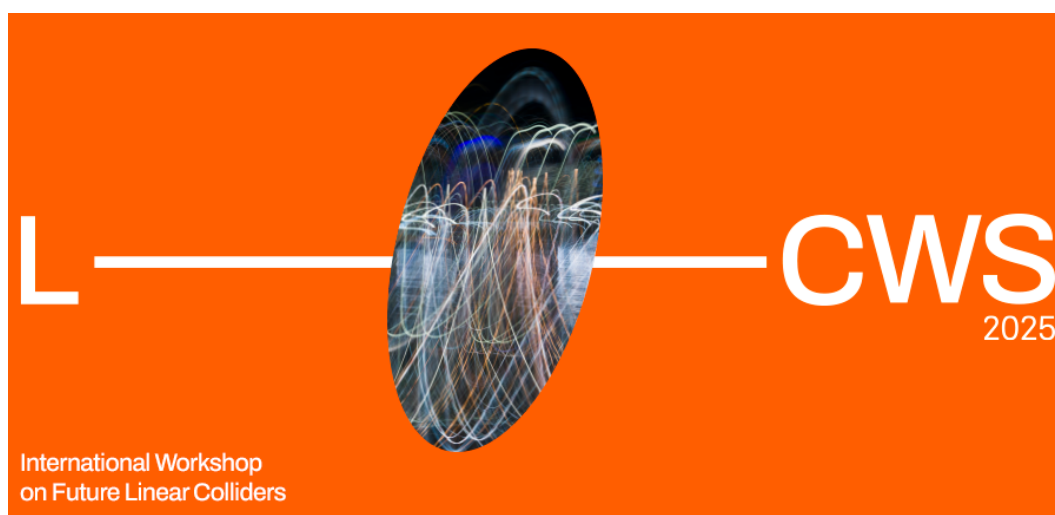


## Session Program

20-24 Oct 2025



## International Workshop on Future Linear Colliders 2025

### *Advanced accelerator technologies*

ADEIT

Plaza Virgen de la Paz, 3, Ciutat Vella, 46001 Valencia <https://share.google/D7sug4eBogLU1ikDq>

## Tuesday 21 October

09:00

### Advanced accelerator technologies: Advanced accelerator technologies

Session | Location: ADEIT, Aula 2.4

09:00–09:20

#### The 10-TeV Wakefield Accelerator Collider Design Study

**Speakers**

Jens Osterhoff, Spencer Gessner

09:20–09:40

#### The importance of beam-beam interactions for the physics case of a 10 TeV linear collider

**Speaker**

Simon Knapen

09:40–10:00

#### Design considerations for a laser plasma accelerator based linear collider

**Speaker**

Carl Schroeder

10:00–10:20

#### Concept for an Energy-Frontier Collider based on Structure Wakefield Acceleration

**Speaker**

Philippe Piot

10:20–10:40

#### Beam-Driven Plasma Wakefield Accelerator for a 10 TeV Wakefield Collider

**Speaker**

Dr Livio Verra

10:40–11:00

#### Beamstrahlung at 10 TeV electron colliders

**Speaker**

Michael Peskin

11:00

# Wednesday 22 October

12:30

## Advanced accelerator technologies

**Session** | **Location:** ADEIT, Aula 1.3

12:30–12:50

### Recent Progress in Dielectric Laser Acceleration

**Speaker**

Manuel Konrad

12:50–13:10

### Laser Wakefield Acceleration in Nanostructured Plasma

**Speaker**

Javier Resta López

13:10–13:30

### Advances in plasma-based positron acceleration

**Speaker**

Shiyu Zhou

13:30

# Thursday 23 October

09:00

## Advanced accelerator technologies

**Session** | **Location:** ADEIT, Salón de Actos

09:00–09:20

### ALiVE: Proton-driven plasma wakefield acceleration for collider applications

#### Speaker

John Patrick Farmer

09:20–09:40

### ABEL, A start-to-end simulation framework for plasma-based and conventional linear colliders

#### Speaker

Dr Jian Bin Ben Chen

09:40–10:00

### HALHF: Recent updates, R&D, tools, insights, and plans

#### Speaker

Richard D'Arcy

10:00–10:20

### Progress and challenges in RF structures for short-pulse SWFA

#### Speaker

Xueying Lu

10:20–10:40

### Progress in Experimental Plasma Wakefield Acceleration at FLASHForward, DESY

#### Speaker

Jonathan Wood

10:40–11:00

### Research platforms on plasma wakefield accelerator and future plans towards colliders in IHEP/SARI/BAQIS/THU

#### Speaker

Wei Lu

11:00

11:30

## Advanced accelerator technologies

**Session** | **Location:** ADEIT, Salón de Actos

11:30–11:50

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

#### Speakers

Livio Verra, Massimo Ferrario

11:50–12:10

### Twin $e^+e^-$ , $e^-e^-$ linear colliders with energy recovery (ERLC)

#### Speaker

Prof. Valery Telnov

12:10–12:30

### The Ghost Collider An Innovative Higgs Factory

**Speaker**

Andrew Hutton

12:30–12:50

**ReLiC: Recycling High-Energy High-Luminosity  $e^+e^-$  Collider**

**Speaker**

Vladimir Litvinenko

13:30