

## **Session Program**

**21-27 Sept 2025**



## **7th European Advanced Accelerator Conference**

### ***Plenary Session***

Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy  
La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy

# Monday 22 September

09:15

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Patric Muggli

09:15–09:45

### Multi-GeV laser wakefield electron acceleration in an all-optical plasma channel

**Speaker**

Alex Picksley

09:45–10:15

### Beam-Driven Plasma-Wakefield Experiments at FACET II

**Speaker**

Dr Mark Hogan

10:15–10:45

### KALDERA: A high-average power drive-laser for laser plasma acceleration

**Speaker**

Andreas Maier

10:45

11:00

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Ralph Assmann

11:00–11:30

### Stable laser-acceleration of high-flux proton beams from liquid sheets

**Speaker**

Charlotte Palmer

11:30–12:00

### Femtosecond laser-induced plasma filaments for beam-driven plasma wakefield acceleration

**Speaker**

Mario Galletti

12:00–12:30

### HALHF: a hybrid, asymmetric, linear Higgs factory using plasma- and RF-based acceleration

**Speaker**

Richard D'Arcy

12:30

## Tuesday 23 September

09:00

### Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Mark Hogan

09:00–09:30

#### Advanced Accelerators in the ESPPU process

**Speaker**

Tor Raubenheimer

09:30–10:00

#### Resonant Excitation of Plasma Wakefields with a Train of Relativistic Particle Bunches

**Speaker**

Livio Verra

10:00–10:30

#### Advanced diagnostics for high-peak current electron beams

**Speaker**

Dr Alexander Debus

10:30–10:40

#### General Discussion

10:40

11:00

### Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Thomas Feurer

11:00–11:30

#### High gradient X-band linac as a driver for PWFA user facility

**Speaker**

Fabio Cardelli

11:30–12:00

#### Observation of improved electron beam quality from a LPA by post acceleration beam shaping.

**Speaker**

Lodewyk Steyn

12:00–12:30

#### Measurement of directional muon beams generated at the Berkeley Lab Laser Accelerator

**Speaker**

Sarah Schroeder

12:30

# Wednesday 24 September

09:00

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Deepa Angal Kalinin

09:00–09:30

### Recent Advancement in the EuPRAXIA Project

**Speaker**

Antonio Falone

09:30–10:00

### First results from 10 PW electron acceleration experiments at ELI-NP

**Speaker**

Petru Ghenuche

10:00–10:30

### Overview of the hybrid LWFA-driven PWFA

**Speaker**

Susanne Schoebel

10:30–10:40

### General Discussion

10:40

11:00

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Edda Gschwendtner

11:00–11:30

### Laser Wakefield Accelerator Modelling with Variational Neural Networks

**Speaker**

Matthew Streeter

11:30–12:00

### Progress Toward High-Gradient Structure Wakefield Accelerators at the Argonne Wakefield Accelerator (AWA)

**Speaker**

Dr John Power

12:00–12:30

### Higher order modes in accelerating structures for flat beams

**Speaker**

Gerard Andonian

12:30

# Thursday 25 September

09:00

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Prof. Alessandro Cianchi

09:00–09:30

### Recent progress on laser-driven Very High Energy Electron radiotherapy

**Speaker**

Yang Wan

09:30–10:00

### Physics and Application of the ELI betatron radiation source

**Speaker**

Uddhab Chaulagain

10:00–10:30

### Laser driven proton acceleration from imploded gas targets

**Speaker**

Santhosh Krishnamurthy

10:30–10:40

### General Discussion

10:40

11:00

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Stefan Karsch

11:00–11:30

### Development of high peak and high pulse rate drivers for accelerators: opportunities and challenges

**Speaker**

Mariastefania De Vido

11:30–12:00

### Modelization of Plasma Accelerators in the Exascale Era

**Speaker**

Dr Axel Huebl

12:00–12:30

### Meter-scale supersonic gas jets for multi-GeV laser-plasma accelerators

**Speaker**

Ela Rockafellow

12:30

# Friday 26 September

09:30

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Gerardo D'Auria

09:30–10:00

### Wakefield-Based Diagnostics for High-Brightness Beams: From FELs to Plasma Accelerators

**Speaker**

Dr Paolo Craievich

10:00–10:30

### Efficient high energy and high-repetition-rate proton acceleration from cryogenic hydrogen foil targets

**Speaker**

Stefan Assenbaum

10:30–10:40

### General Discussion

10:40

11:00

## Plenary Session

**Session** |

**Location:** Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

**Convener:** Simon Hooker

11:00–11:30

### Design of high-brightness electron beams with MP-LWFA for FEL in the water-window and Thomson/Compton sources

**Speaker**

Paolo Tomassini

11:30–12:00

### Simulations of the plasma injector for PETRA IV

**Speaker**

Sergey Antipov

12:00–12:30

### Advancing PWFA and PWFA-FEL research in China, including FEL Lasing

**Speaker**

Wei lu

12:30