

Session Program

Sep 17 - 23, 2023

6th European Advanced Accelerator Concepts workshop

WG2: Laser technology (WP6 - Task2)

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

Mon, September 18

4:20 PM

WG2: Laser technology (WP6 - Task2)

Session |

Location: Hotel Hermitage, Aula Bonaparte 1, La Biodola Bay - 57037 Portoferraio Isola d'Elba (Li) - Italy |

Conveners: Gilles Cheriaux, Leonida Antonio Gizzi

4:20 – 4:25 PM **Introduction to WG2**

Speakers

Gilles Cheriaux, Dr Leonida Antonio Gizzi

4:25 – 4:45 PM **The ZEUS laser user facility**

Speaker

Louise Willingale

4:45 – 5:05 PM

ELI Beamlines L1 ALLEGRA laser: experience with operation of high energy, 1 kHz, 15 fs OPCPA based system for user experiments

Speaker

Pavel Bakule

5:05 – 5:25 PM

Amplitude Roadmap for high average power ultraintense laser for plasma acceleration

Speaker

Franck Falcoz

5:25 – 5:45 PM

“Bivoj / DiPOLE” as a pump source for high repetition rate laser particle accelerators

Speaker

Jan Pilar

5:45 – 6:05 PM

Design of direct diode pumped amplification stages based on Tm ceramics for kHz rep-rate, kW average power lasers: Design issues and material characterization

Speaker

Dr Luca Labate

6:05 – 6:25 PM **Diode Laser Pumps for Advanced Accelerators**

Speaker

Andrea Knigge

6:25 – 6:45 PM **discussion**

7:00 PM

Tue, September 19

4:20 PM

WG2: Laser technology (WP6 - Task2)

Session | **Location:** Hotel Biodola, Aula Biodola | **Convener:** Christophe SIMON-BOISSON

4:20 – 4:25 PM **Introduction to WG2**

Speaker

Christophe SIMON-BOISSON

4:25 – 4:45 PM

Pulse characterisation technique for multi-pulse laser plasma wakefield accelerators

Speaker

Wei-Ting Wang

4:45 – 5:05 PM

EuPRAXIA laser requirements and current conceptual design issues

Speaker

Dr Leonida Antonio Gizzi

5:05 – 5:25 PM

High-power laser development in Jena

Speaker

Malte Kaluza

5:25 – 5:45 PM

Diode-pumped Laser-drivers for plasma accelerators

Speakers

Mariastefania De Vido, Rajeev Pattathil

5:45 – 6:05 PM

Joule-class Yb:YAG lasers for driving plasma-modulated plasma accelerators

Speaker

Dr Mathias Krüger

6:05 – 6:25 PM

Robust high-average-power lasers and scaling to high pulse energy

Speaker

Johannes Weitenberg

7:00 PM

Thu, September 21

4:20 PM

WG2: Laser technology (WP6 - Task2)

Session | **Location:** Hotel Biodola, Aula Biodola | **Convener:** Leonida Antonio Gizzi

4:20 – 4:25 PM **Introduction to WG2**

Speaker

Leonida Antonio Gizzi

4:25 – 4:45 PM **Laser development for LWFA and future plans**

Speaker

Dr Laura Corner

4:45 – 5:05 PM **Precision high average power ultrashort pulse lasers**

Speaker

Cameron Geddes

5:05 – 5:25 PM

High peak power and high average power Ti :Sa lasers for high performance particle acceleration

Speaker

Christophe SIMON-BOISSON

5:25 – 5:45 PM **A 100 Hz laser system with with few-cycle and TW Pulses**

Speaker

Karoly Osvay

5:45 – 6:05 PM

Industrial Compact Free Electron Lasers and Laser-driven Accelerators

Speaker

Catalin Neacsu

6:05 – 6:25 PM **The X-lites Network**

Speaker

Louise Willingale

6:25 – 6:45 PM

The HORIZON project : towards face-cooled kiloWatt-class Yb:YAG laser systems

Speaker

Philippe Balcou

6:45 – 7:00 PM **discussion**

7:00 PM