



# 6th European Advanced Accelerator Concepts workshop

## Monday, 18 September 2023

### Plenary session (09:00 - 10:40)

-Conveners: Enrica Chiadroni

| time  | [id] title  | presenter         |
|-------|---|-------------------|
| 09:00 | [385] Opening remarks   |                   |
| 09:20 | [364] Free electron lasers driven by plasma accelerators: status and near-term perspectives | LITOS, Michael    |
| 10:00 | [423] New ideas for high beam quality from plasmas for FELs                                 | HIDDING, Bernhard |

### Plenary session (11:00 - 12:30)

-Conveners: Kevin Cassou

| time  | [id] title  | presenter       |
|-------|---|-----------------|
| 11:00 | [369] Advancement in plasma sources towards high repetition rate operation  | Dr ALEJO, Aaron |
| 11:30 | [378] Modeling a novel laser-driven acceleration scheme using particle-in-cell simulations on exascale-class supercomputers | VINCENTI, Henri |
| 12:00 | [360] On the Confluence of Data-Driven Techniques and Laser-Plasma Acceleration   | DÖPP, Andreas   |

# Tuesday, 19 September 2023

## Plenary session (09:00 - 10:30)

-Conveners: James Rosenzweig

| time  | [id] title                                 | presenter          |
|-------|--|--------------------|
| 09:00 | [352] 2023 AWAKE Run Results               | GSCHWENDTNER, Edda |
| 09:30 | [424] The EuPRAXIA ESFRI Preparatory Phase | ASSMANN, Ralph     |
| 10:00 | [246] EuPRAXIA@SPARC_LAB                   | DEL DOTTO, Alessio |

## Plenary session (10:50 - 12:30)

-Conveners: Ralph Assmann; Massimo Ferrario

| time  | [id] title                                      | presenter   |
|-------|---|---|
| 10:50 | [425] EuPRAXIA Second Site Options              | SPECKA, Arnd  |
| 11:15 | [438] View from ELI-Beamlines                   | Dr MOLODOZHENTSEV,<br>Alexander                     |
| 11:25 | [432] View on EPAC                              | PATTATHIL, Rajeev                                   |
| 11:35 | [433] View from CNR                             | Dr GIZZI, Leonida Antonio<br>GIZZI, Leonida Antonio |
| 11:45 | [434] View on CLPU                              | GATTI, Giancarlo<br>GATTI, Giancarlo                |
| 11:55 | [435] View on Excellence Centers                | FERRARIO, Massimo                                   |
| 12:10 | [386] EuPRAXIA Full Implementation: Round Table |   |

# Wednesday, 20 September 2023

## **Plenary session (09:00 - 10:40)**

-Conveners: **Laura Corner**

| time  | [id] title  | presenter       |
|-------|---|-----------------|
| 09:00 | [422] Status and recent results of FLASHForward   | Mr PEÑA, Felipe |
| 09:35 | [257] High-quality 1 GeV electron beam with a 50 TW laser   | THAURY, Cedric  |
| 10:10 | [171] Experimental Demonstration of Laser Guiding and Wakefield Acceleration in a Curved Plasma Channel | CHEN, Min       |

## **Plenary session (11:00 - 12:30)**

-Conveners: **Andrea Renato Rossi**

| time  | [id] title   | presenter           |
|-------|--|---------------------|
| 11:00 | [203] 3D structure of microbunched plasma-wakefield-accelerated electron beams inferred by coherent optical transition radiation | Dr LABERGE, Maxwell |
| 11:30 | [270] Temperature effects in plasma-based positron acceleration  | DIEDERICHS, Severin |
| 12:00 | [363] FACET-II: Status of the first experiments and the road ahead   | Dr HOGAN, Mark      |

# Thursday, 21 September 2023

## **Plenary session (09:00 - 10:40)**

-Conveners: **Pietro Musumeci**

| time  | [id] title  | presenter        |
|-------|---|------------------|
| 09:00 | [205] Probing strong-field QED in beam-plasma collisions                        | MATHERON, Aimé   |
| 09:35 | [314] Coherence and superradiance from a plasma-based quasiparticle accelerator | MALACA, Bernardo |
| 10:10 | [260] Accelerator on a chip: Recent results and perspectives for applications   | SHILOH, Roy      |

## **Plenary session (11:00 - 12:30)**

-Conveners: **Alexander Pukhov**

| time  | [id] title   | presenter            |
|-------|--|----------------------|
| 11:00 | [167] Acceleration of polarized protons from laser-plasmas                                     | Dr REICHWEIN, Lars   |
| 11:30 | [192] Ion acceleration activities at ELI NP with the acceleration of more than 100 MeV protons | Dr DORIA, Domenico   |
| 12:00 | [168] High energy proton acceleration at DRACO-PW and radiobiological applications             | METZKES-NG, Josefine |

# Friday, 22 September 2023

## **Plenary session (09:20 - 10:40)**

-Conveners: Leonida Antonio Gizzi

| time  | [id] title  | presenter     |
|-------|---|---------------|
| 09:30 | [440] Introduction to the European XFEL   | FEUER, Thomas |
| 10:00 | [318] Toward an Inertial Fusion Energy Future: Challenges and Opportunities in Science & Technology | MA, Tammy     |

## **Plenary session (11:00 - 12:30)**

-Conveners: Alessandro Cianchi; Alessandro Cianchi

| time  | [id] title  | presenter             |
|-------|---|-----------------------|
| 11:00 | [267] A hybrid, asymmetric, linear Higgs factory (HALHF)  | Dr LINDSTRØM, Carl A. |
| 11:30 | [344] The plans to prepare for the next European Strategy | PATTATHIL, Rajeev     |
| 12:00 | [380] Advanced Accelerator Concept activities at Snowmass | GEDDES, Cameron       |

## **Plenary session (16:20 - 19:00)**

-Conveners: Enrica Chiadroni

| time  | [id] title   | presenter           |
|-------|--|---------------------|
| 16:20 | [223] Laser plasma accelerators: then and now through cutting-edge experiments | Prof. MALKA, Victor |
| 17:00 | [387] Simon Van der Meer Award   | WALCZAK, Roman      |
| 17:45 | [388] Poster Prizes Ceremony and talks   | HOLZER, Bernhard    |
| 18:30 | [389] Closing remarks  | FERRARIO, Massimo   |