

ECAL-p in person meeting in VALENCIA

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IFIC
INSTITUT DE FÍSICA
CORPUSCULAR



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M A T T E R A N D T E C H N O L O G Y

► Meeting days **14th Wednesday to 16th Friday February** (both included)

- Optional: tuesday evening for a glass of wine in the city center
- Optional: saturday morning. Follow up discussions? Tourism with A.I. as guide?...

► <https://indico.ific.uv.es/event/7274/>

► Location:

- Wednesday and Friday (and saturday?) **Valencia City Center** (CSIC casa de la Ciencia - near the cathedral)
- Thursday: IFIC (outside of the city)

► Hotels

- Search for hotels in the area of CSIC casa de la Ciencia (city center)
- More info in the indico

► Conference rooms are already booked.

What is included?

- ▶ We will ask for coffe-break money to IFIC.
- ▶ Dinners/lunch will not be covered...
 - Depending on preferences I can arrange reservations in places with affordable “menu del día” or “sandwiches” etc... to be discussed.

What does Adrián need in the coming weeks?

- ▶ A list of person that will manage the indico agenda
 - These people must create an ific account

- ▶ Registration of all people that is planning to attend in person or zoom.
- ▶ It is not binding information but I needed it to
 - Try to block few rooms in the University Hostel for guest researchers.
 - Confirm which conference rooms we will need to use.
 - Ask for the coffee breaks.
 - In case of reasonable doubts: register as attending in person and add a comment in the comment section

- ▶ Please register before the 15th November I would like to block the rooms well before december

13-17 February 2024
Universe
Europe/Madrid timezone

Overview

Timetable

Speaker List

Registration

Participant List

Local Information

Travel Information

Accommodation

Venue

The ECAL-p LUXE team will meet in Valencia (and remotely).

The LUXE experiment will explore the uncharted territory of strong field quantum electrodynamics (SFQED) in e-laser and γ -laser interactions at an effective field strength at and above the Schwinger limit. In this regime, non-linear and non-perturbative effects are expected to appear in the production rates of electron-positron pairs. Hence, the number of electron-positron pairs and their energy distribution in e-laser and γ -laser interactions are key characteristics to probe SFQED. In the LUXE experiment the positrons originating from trident production in e-laser and from the Breit-Wheeler process γ -laser interactions will be measured in a detector system consisting of a tracker followed by an electromagnetic calorimeter, ECAL-P. The ECAL-P design is based on a technology for highly compact electromagnetic calorimeters which was developed by the FCAL collaboration, an R&D collaboration to design, build and test prototypes of luminometers for future linear electron-positron colliders, (ILC or CLIC).

[High Granular Calorimeter for LUXE](#)

[Looking forward to seeing you at Valencia in February.](#)

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LUXE



Few slots already pre-planned:

- ▶ A drink on tuesday evening
- ▶ ~25€ dinner on wednesday evening
- ▶ Colloquium on future of HEP on thursday 12:30 at IFIC.
 - H. Abramowicz, title TBD
 - Usually with a lunch with the organizers... I am looking for solutions to make it shorter than usual.