

Higgs Hunting 2026

Results and prospects in the electroweak symmetry breaking sector

16-18 September

Orsay/Paris

Prelude from the organizers

16TH 
HIGGS HUNTING

www.higgshunting.fr



Welcome from the LOC

**We are delighted to welcome you back in Paris and Orsay
for this 16th edition of the Higgs Hunting Workshop!**



Admin. support

Valérie Brouillard (IJCLab)
Émilie Bonnardel (IJCLab)
Dominique Longerias (IJCLab)

Tech. support

Grégory Perrin (IJCLab)
Louison Moreno (APC)
Omer Adel Krichen (APC)

Poster

Luc Petizon (IJCLab)

Organizing Committee

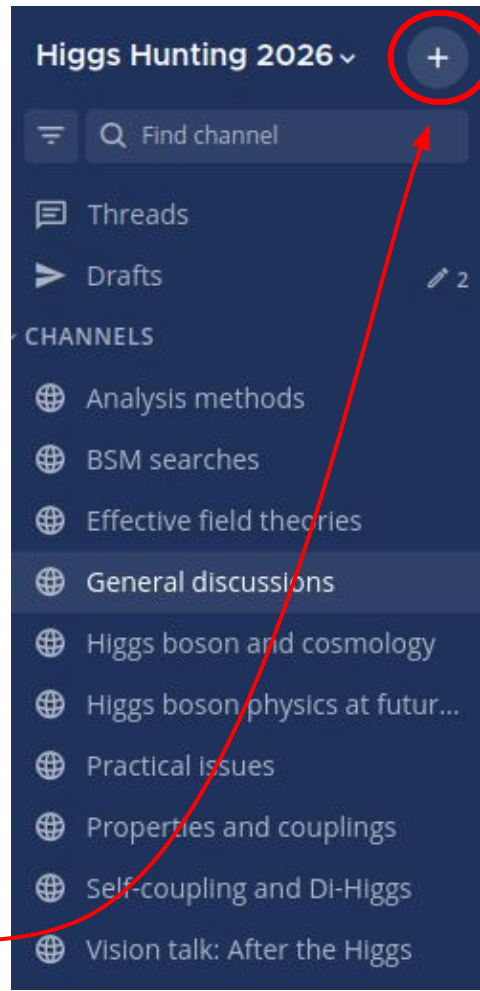
Nicolas Berger (LAPP-Annecy)
Gregorio Bernardi (APC-Paris)
Valérie Brouillard (IJCLab-Orsay)
Matteo Cacciari (LP THE-Paris)
Luca Cadamuro (IJCLab-Orsay)
Reina Camacho Toro (LPNHE-Paris)
Arel Cortés González (U. of Tokyo)
Adinda De Wit (LLR-Palaiseau)
Giulia Di Gregorio (IJCLab-Orsay)
Emanuele Di Marco (INFN Roma)
Mauro Donegà (ETH-Zurich)
Emilian Dudas (CPHT-Palaiseau)
Louis Fayard (IJCLab-Orsay)
Pierre Fayet (ENS-Paris)
Paolo Francavilla (INFN, U. di Pisa, CERN)
Christophe Grojean (DESY & Humboldt U.-Berlin)
Gautier Hamel de Monchenault (IRFU-Saclay)
Stéphane Lavignac (IPHT-Saclay)
Anne-Catherine Le Bihan (IPHC-Strasbourg)
Julie Malclès (IRFU-Saclay)
Joany Manjares (L2IT-Toulouse)
Giovanni Marchiori (APC-Paris)
Kostas Nikolopoulos (Hamburg & Birmingham)
Jérémy Quevillon (LAPTh-Annecy)
Daniela Rebutti (Pavia)
Yves Sirois (LLR-Palaiseau)
Thomas Strebler (CPPM-Marseille)
Meng Xiao (Hangzhou)
Hongtao Yang (USTC)

Meeting format

- **Workshop in hybrid format**, benefitting from both in-person discussions and inclusion of remote participants
 - A zoom link was sent privately to participants in handbook (please let us know otherwise)
 - Recordings will be available shortly after the workshop
- **Discussions**
 - **Please wait for the microphones** to ensure participants on zoom can fully take part
 - Priority will be given to questions from zoom participants
 - Discussions can be started in advance on Mattermost (see next slide) – relevant point will be raised during the in-room discussion.
- **For speakers:**
 - **please post your slides by 18:00 on the day before your talk** (except for Joker talks!) to allow interested participants to prepare the discussions.
 - **Please stay on time!** To allow for productive discussions after the talks.

Mattermost channels

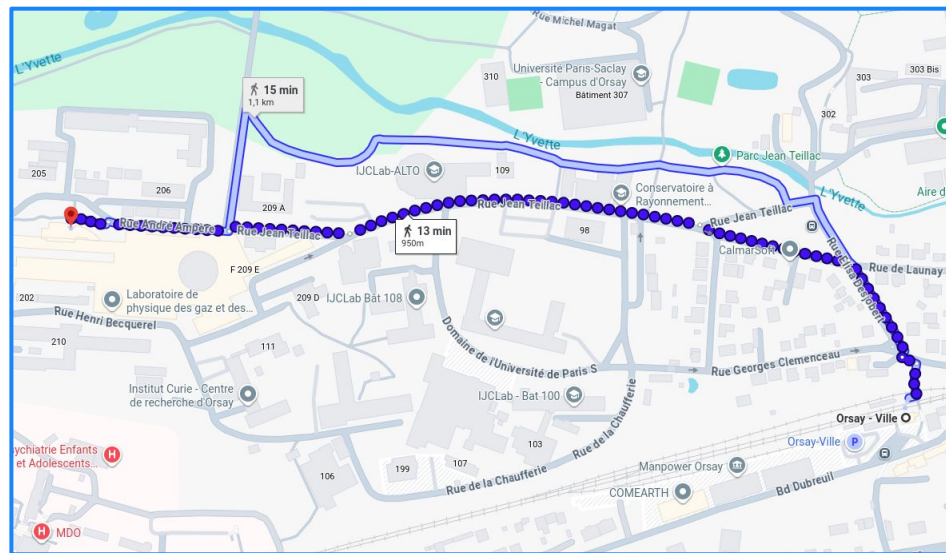
- **All participants are strongly encouraged to post questions and comments on mattermost to foster interesting and useful exchanges!**
→ Ask early so that mattermost input can be included in the discussions
- **Available here:**
https://mattermost.web.cern.ch/signup_user_complete/?id=bk1ji3hxr3fh5y3akegsrqbrcc
 - Use the standard CERN SSO login if you have a CERN account
 - Otherwise just create a CERN lightweight account by following this link: <https://account.cern.ch/account/Externals> and selecting the "Email - Guest Access" option.
- **One channel available per session.** Please subscribe to relevant channels by clicking the “+” button near the top
- More details available in the handbook that you should've received by email



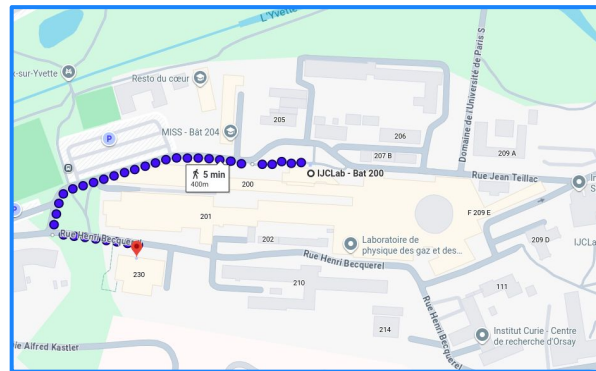
Practical information (Wednesday)

Today: all talks at **Auditorium Pierre-Lehmann** at IJCLab (Building 200) in Orsay.

Coffee breaks and welcome drink served in the cafeteria area just outside the auditorium.

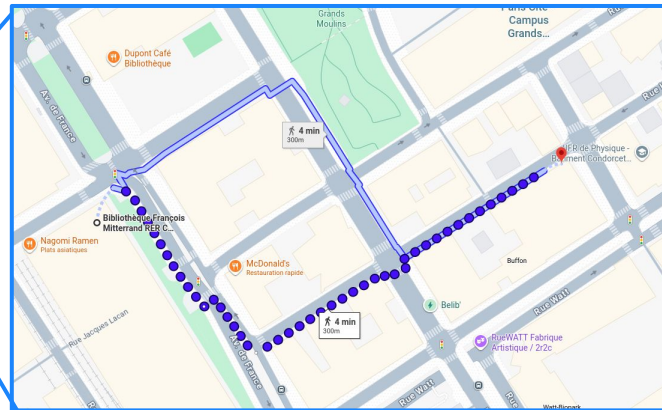
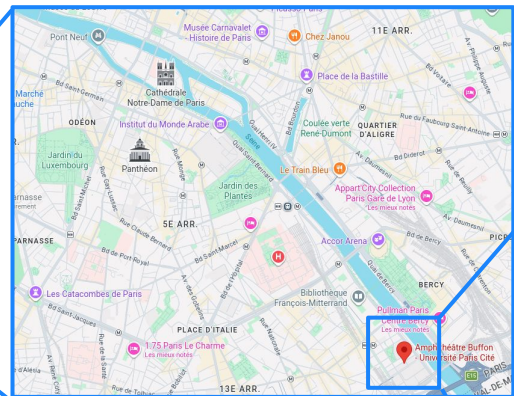
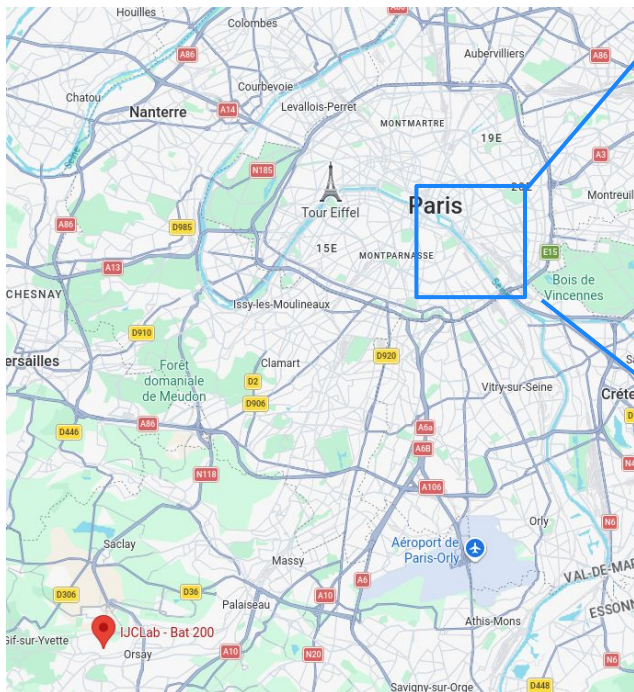


Lunch served at **Bures cafeteria**
5 min away on foot



Practical information (Thursday + Friday)

The workshop takes place at APC in Paris on Thursday and Friday!



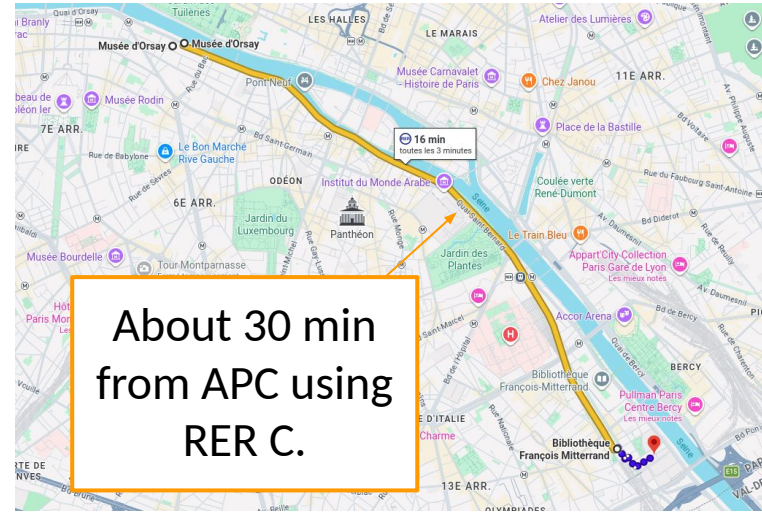
Métro stop Bibliothèque François Mitterrand

All talks at **Amphithéâtre Buffon**, across from APC - coffee breaks and lunch served just outside

Conference dinner (Thursday)

Dinner will be in **Musée d'Orsay**:

- Entrance into the museum at **18:00**.
Please have your badges with you if possible to speed up the entry procedure
- Self-guided visit of the museum until 19:15.
- Dinner in the museum restaurant (**19:30 – 21:45**).
- Museum closes at 22:00.



Help with practicalities

- Please don't hesitate to contact us for any issues or questions at any time during the workshop

- For help related to the scientific program, talk uploads, etc. :

- For other practical issues:

Nicolas Berger nicolas.berger@cern.ch

Valérie Brouillard valerie.brouillard@ijclab.in2p3.fr

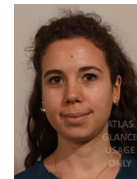
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Giovanni Marchiori giovanni.marchiori@cern.ch



In Orsay



Valérie
BROUILLARD

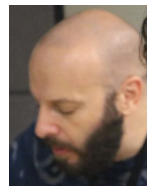


Emilie
BONNARDEL

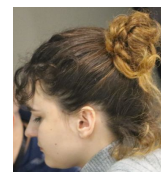


Grégory
PERRIN

In Paris



Omer Adel
Krichen



Louison
Moreno

François Englert (1932–2026)



François Englert passed away on June 18th 2026. In 1964, together with Robert Brout, he proposed that spontaneous symmetry breaking could provide masses for the mediators of the weak interactions, the W and Z bosons. At the same time, British physicist Peter Higgs had independently hypothesised the existence of the same mechanism.

The existence of the Brout-Englert-Higgs field was proved in 2012 with the discovery of its associated particle by the ATLAS and CMS experiments at the LHC. The following year, the Nobel Prize in Physics was awarded jointly to François Englert and Peter Higgs since Robert Brout had already passed away at this time.

Looking forward to great results and
fruitful discussions!



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