

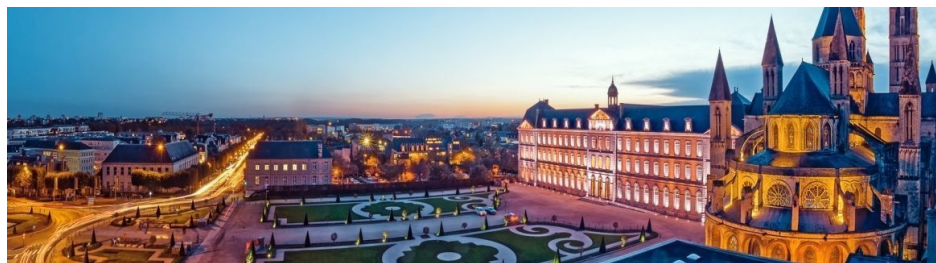
# European Nuclear Physics Conference (EuNPC) 2025

22–26 September 2025, Caen, France

organised by

NPB-EPS, GANIL-SPIRAL2, LPC Caen, IJCLab Orsay and IRFU Saclay, France

<https://indico.in2p3.fr/event/30430/>



## IUPAP C12 meeting June 22<sup>nd</sup>, 2024

- Scientific Programme
  - Schedule of the sessions
  - International Advisory Committee (IAC)
  - Session Conveners
  - Local Organising Committee
- Conference Venue
- Conference budget
- Important Dates

Previous editions: Bochum 2009, Bucharest 2012, Groningen 2015, Bologna 2018, Santiago de Compostela 2022

# Conference Scope

The Conference scope is to review the most recent results in the nuclear physics with a special focus on highlights of experimental and theoretical developments of European collaborations.

## TOPICS

1. Accelerators and Instrumentation
2. Nuclear Structure, Spectroscopy and Dynamics
3. Nuclear Astrophysics
4. Synergies with Particle and Astroparticle Physics (tbc)
5. Heavy Ion Collisions and QCD Phases
6. Hadron Structure, Spectroscopy and Dynamics
7. Fundamental Symmetries and Interactions
8. Nuclear Physics Applications
9. Few-Body Systems
10. Open Science and Data in Nuclear Physics

# Timetable

Four and a half days, Monday to Friday; plenary sessions in all five mornings; parallel sessions during the afternoons, for three days.

The parallel sessions on Tuesday and Thursday will be followed by poster sessions (with refreshments) which will include the best poster competition.

Round Table on Nuclear Science - People and Society (Training, Careers & Diversity, Education and Outreach)

Lise Meitner Prize, Best PhD Prize and Best Posters Ceremonies on Friday

Only plenary sessions will be broadcast via YouTube or Zoom

- **25 Plenary talks (30'+5')**
- **160 Oral contributions (15'+5') in 3 days of Parallel Sessions; 4-6 talks/session -> 32 talks x 5 topics**
- **About 80 posters**

	Mon.	Tue.	Wed.	Thu.	Fri.
09:00	Registration				
10:00	Welcome and opening Plenary 1 1 talk	Plenary 3 3 talks	Plenary 5 3 talks	Plenary 7 3 talks	Plenary 9 3 talks
11:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
12:00	Plenary 2 3 talks	Plenary 4 3 talks	Plenary 6 2 talks	Plenary 8 2 talks	Plenary 10 2 talks
13:00	Lunch	Lunch	Lunch	Round Table Nuclear Physics and Society	Best Poster and Lise Meitner Ceremony Closing
14:00			5 Parallel Sessions 4 talks/topic	Lunch	Lunch
15:00	5 Parallel Sessions 6 talks/topic	5 Parallel Sessions 6 talks/topic		5 Parallel Sessions 6 talks/topic	
16:00	Coffee break	Coffee break			
17:00	5 Parallel Sessions 6 talks/topic	5 Parallel Sessions 4 talks/topic	Guided Tours	Poster Session with coffee and refreshments	
18:00		Poster Session with refreshments			
19:00	Welcome Cocktail				
20:00					
21:00					
22:00				Conference Dinner	
23:00					

## International Advisory Committee (IAC)

IAC = EPS – Nuclear Physics Board (14 memb.) + Part of NuPECC LRP2024 Steering Committee (10 memb.) + Chair of EuNPC2022

### Role of the IAC

Advise on invited speakers and oral contributions

<b>Alessandra Fantoni</b> <i>INFN-LNF, Frascati, Italy</i>
<b>Alison Bruce</b> <i>University of Brighton, U.K.</i>
<b>Zsafia Kertesz</b> <i>HAS – Institute for Nuclear Research, Hungary</i>
<b>Giuseppe Verde</b> <i>INFN, Catania, Italy</i>
<b>Elena Gonzalez Ferreiro</b> <i>University of Santiago de Compostela, Spain</i>
<b>Constantia Alexandrou</b> <i>University of Cyprus, Cyprus</i>
<b>Ann-Cecilie Larsen</b> <i>University of Oslo, Oslo Cyclotron Laboratory, Norway</i>
<b>Zsolt Podolyak</b> <i>University of Surrey, U.K.</i>
<b>Silvia Leoni</b> <i>INFN, Milano, Italy</i>
<b>Eugenio Scapparone</b> <i>INFN, Bologna, Italy</i>
<b>Constantin Mihai</b> <i>IFIN-HH, Romania</i>
<b>Timo Sajavaara</b> <i>University of Jyväskylä, Finland</i>
<b>Marek Pfuetzner</b> <i>University of Warsaw, Poland</i>
<b>Araceli Lopez-Martens</b> <i>IJCLab, Orsay, France</i>

<b>Giubellino Paolo</b> <i>INFN, Italy</i>
<b>Greenlees Paul</b> <i>JYFL-ACCLAB, Finland</i>
<b>Kadenko Ihor</b> <i>Taras Shevchenko National Univ. of Kyiv, Ukraine</i>
<b>Kirch Klaus</b> <i>ETH Zürich and PSI, Switzerland</i>
<b>Leifels Yvonne</b> <i>GSI, Germany</i>
<b>Popescu Lucia</b> <i>SCK-CEN, Belgium</i>
<b>Roussel-Chomaz Patricia</b> <i>GANIL, France</i>
<b>Snellings Raimond</b> <i>Univ. Utrecht, The Netherlands</i>
<b>Venhart Martin</b> <i>Inst. of Phys., Slovak AS, Slovakia</i>
<b>Vesić Jelena</b> <i>Jožef Stefan Institute, Slovenia</i>

**Dolores Cortina** *USC (GEFN-RSEF), Spain*

**25 Members: 13 women, 12 men**

# Session Conveners

- Accelerators and Instrumentations
  - S. dalla Torre (Univ. Milano), E. Scapparone (EPS-NPB, INFN, Bologna, Italy), L. Cáceres (GANIL – LOC), A. Vacheret (LPC – LOC); V. Bertone (CEA Saclay)
- Nuclear Structure, Spectroscopy and Dynamics
  - J. Frankland (GANIL – LOC), S. Leoni (EPS-NPB, INFN, Milano, Italy), Z. Podolyak (EPS-NPB, University of Surrey, U.K.), M. Pfuetzner (EPS-NPB, University of Warsaw, Poland), D. Boilley (GANIL – LOC), E. Clément (GANIL – LOC), J. Wilson (IJCLab – LOC), B. Sulignano (Irfu – LOC), B. Jurado (LP2ib), P. Reiter (IKP-Koeln), T. Rodriguez (Uni Madrid), A. Bruce (EPS-NPB, University of Brighton, U.K.), A. Lopez-Martens (EPS-NPB, IJCLab, Orsay, France), G. Verde (EPS-NPB, INFN, Catania, Italy), C. Mihai (EPS-NPB, IFIN-HH, Romania)
- Nuclear Astrophysics
  - R. Reifarth (EPS-NFB), A.C Larsen (EPS-NFB), F. De Oliveira (GANIL – LOC), L. Achouri (LPC – LOC)
- Synergies with Particle and Astroparticle Physics – (tbc)
- Heavy Ion Collisions and QCD Phases
  - A. Fantoni (EPS-NPB, INFN-LNF, Frascati, Italy), L. Fabbietti (TUM), Elena G. Ferreira (EPS-NPB, Univ. of Santiago de Compostela, Spain), M. Winn (CEA - LOC)
- Hadron Structure, Spectroscopy and Dynamics
  - C. Alexandrou (EPS-NPB, University of Cyprus, Cyprus), S. Niccolai (IJCLab - LOC), K. Schönning (Uppsala)
- Fundamental Symmetries and Interactions
  - P. Delahaye (GANIL – LOC), Eberhard Widmann (SMI Vienna), Klaus Kirch (PSI)
- Nuclear Physics Applications
  - Z. Kertesz (EPS-NFB, HAS – Institute for Nuclear Research, Hungary), Timo Sajavaara (EPS-NPB, University of Jyväskylä, Finland), Ch. Vanderveerde (GSI), E. Dumonteil (Irfu – LOC)
- Few-Body Systems
  - Johanna (previous conf.), ...
- Round Table on Open Science and Data in Nuclear Physics
  - O. Lopez (LPC – LOC), A. Lemasson (GANIL)
- Round Table on Nuclear Science - People and Society
  - M. Borge (CSIC), Christian Diget (York), Education Div. (name from Alessandra); Sacha...
- NPB-EPS Lise Meitner Prize, Best PhD Prize and Best Posters Ceremony
  - A. Fantoni (EPS-NPB, INFN-LNF, Frascati, Italy), A. Bruce (EPS-NPB, University of Brighton, U.K.), S. Pupin (GANIL-LOC)

## Role of the Session Conveners

- Propose invited speakers for a given topic
- Select for a given topic oral contributions and posters from abstracts considering the recommendations of IAC
- Organise parallel sessions (invitations, parallel session chairs etc.)
- Underlined persons are in charge of the organisation of the first meeting and of reporting at the LOC meetings

**PRELIMINARY**

## Local Organizing Committee

### GANIL :

- M.-L. Abavent (local organisation, logistic, administration)
- D. Boilley (reaction dynamics, theory)
- L. Cáceres (nuclear structure, experiment)
- E. Clément (nuclear structure, experiment)
- F. De Oliveira (nuclear astrophysics)
- P. Delahaye (fundamental interactions and symmetries)
- J. Frankland (nuclear reactions and EoS, experiment)
- S. Lecerf (local organisation)
- M. Lewitowicz (chair)
- S. Pupin (local organisation, logistic, administration)
- M. Tencé (local organisation, communication)

### LPC:

- L. Achouri (nuclear structure, experiment)
- O. Lopez (nuclear reactions and EOS of nuclear matter)
- A. Vacheret (nuclear & particle physics, experiment)

### IJCLab:

- J. Wilson (nuclear structure and reactions)
- S. Niccolai (hadron physics and strongly interacting matter)

### IRFU/Saclay:

- B. Sulignano (nuclear structure and reactions)
- E. Dumonteil (strongly interacting matter, astrophysics, reactor physics)
- M. Winn (strongly interacting matter)

Strong support French Funding Agencies of the four co-organising labs.

### LOC:

- Conference topics well covered
- All administrative competencies are covered by the experienced team ( no subcontracting !)
- LOC is composed of 19 persons: 8 women and 11 men

# Conference Venue: Caen, Normandy, France ( <https://caen.fr> )

- 105,500 inhabitants, 470,000 full urban area
- Known from Roman times,
- The castle was built c. 1060 by William the Conqueror (William of Normandy)



# Conference Venue

**MoHo centre in the centre of Caen, France ( <https://www.moho.co/moho-hq/> )**

Conference hall with 300 seats, up to 6 halls for parallel sessions and a hall for poster sessions, coffee breaks and lunches.



Hall > 300 seats

ATRIUM



Hall  
250 seats



Hall 100 seats



# Estimated Cost

## Sponsorship

The conference will be sponsored by GANIL-SPIRAL2 at the level of **70 k€**, additional support will be provided either in cash either in-kind by 3 other co-organizing labs

At least **15k€** of support from academic sponsors: CNRS-IN2P3, CEA-IRFU, local authorities in Normandy, Normandy University, NuPECC, IUPAP (if granted),...

➤ **Grants covering the conference fee for 40-50 early-career scientists (< 8 years after PhD)**

Support from industrial sponsors. (an opportunity for dedicated booths)

## Registration fees (assuming 300 participants)

430 € for early registration

380 € for early registration of the EPS members

200 € for early career participants (if not covered by grants)

480 € for late registration

430 € for late registration of the EPS members

150 € for accompanying persons including a welcome cocktail, coffee breaks, conference dinner

50 € guided tour

## The conference fee will include:

Welcome cocktail, and refreshments during poster sessions and conference dinner

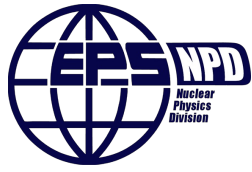
Coffee breaks

On-site lunches

Conference goodies

The sponsorship from IUPAP will improve the visibility and attractiveness of the conference

The financial support will be used to provide grants for early-career researchers.



GANIL

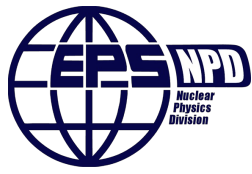


Thank you for your attention!

# EuNPC 2025

## Important dates

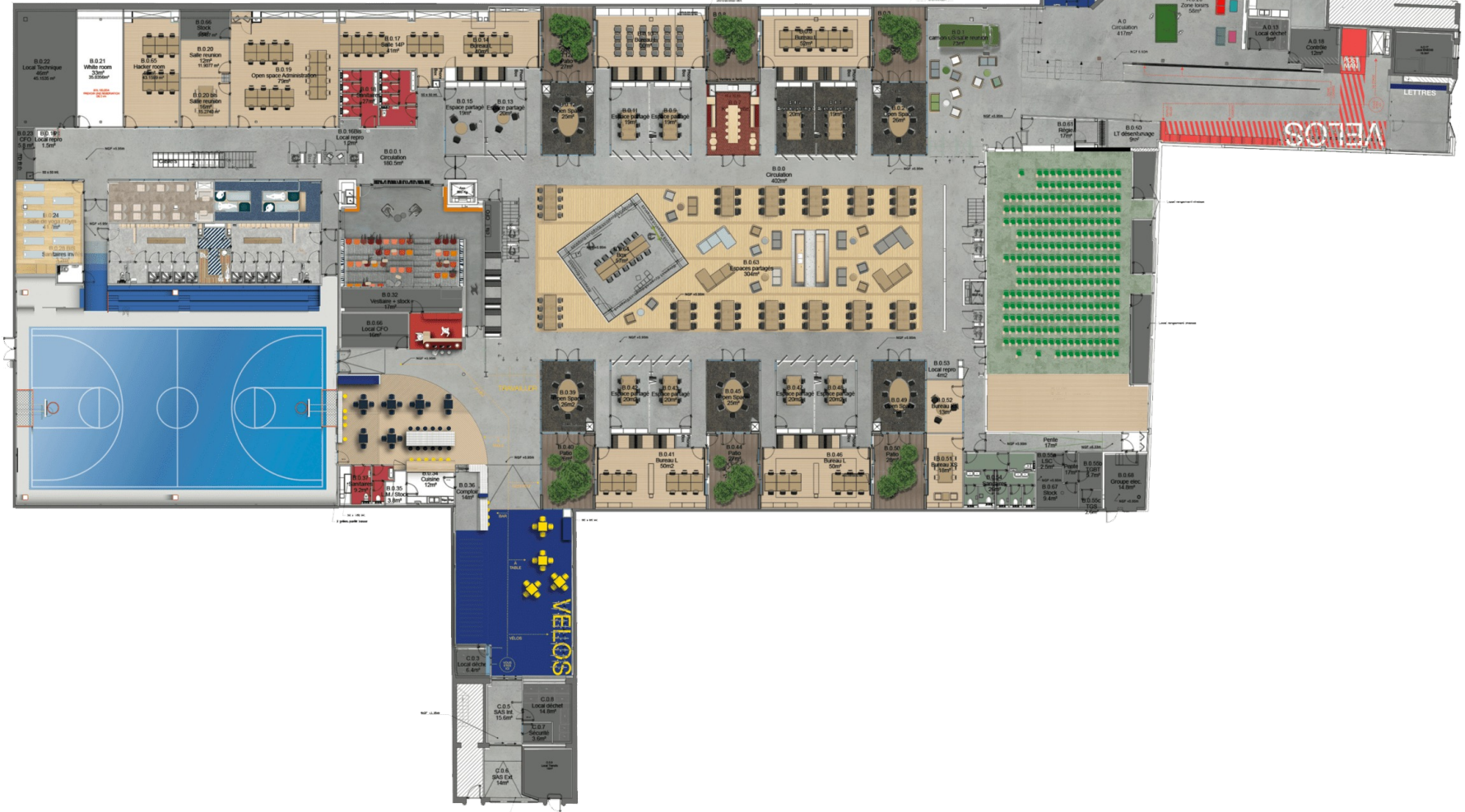
Nomination of the IAC and Session Conveners	April 1st – June 15th 2024
Invited speakers identified by IAC+LOC	September 2024
Save the date sent	Sept. 22nd, 2024
Invitations sent to invited speakers	October 2024
First circular with call for abstracts	December, 2024
Abstract submission	January 5th - March 15th, 2025
Registration open	March 1st, 2025
Notification of oral/poster presentation	May, 2025
Second circular	May 15th, 2025
Early registration deadline	June 30th, 2025
Registration deadline	July 30th, 2025
Final Circular	Sept. 10th, 2025
Conference	22–26 Sept. 2025



# Conference Venue

## MoHo centre in the centre of Caen, France

<https://www.moho.co/moho-hq/>



M. Lewitowicz