

# European Nuclear Physics Conference 2025

EU N P C **September 22-26**  
**Caen, France**

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

**Topics**

- Accelerators and Instrumentation
- Nuclear Structure, Spectroscopy and Dynamics
- Nuclear Astrophysics
- Astroparticle Physics and Synergies with Nuclear Physics
- Heavy Ion Collisions and QCD Phases
- Hadron Structure, Spectroscopy and Dynamics
- Fundamental Symmetries and Interactions
- Nuclear Physics Applications
- Few-Body Systems
- Open Science and Data in Nuclear Physics
- Nuclear Science - People and Society

**International Advisory Committee**

Alessandra Fantoni, INFN-LNF, Italy  
 Alison Bruce, Univ. of Brighton, U.K.  
 Ann-Cecilie Larsen, Univ. of Oslo, Norway  
 Araceli Lopez-Martens, IJCLab, France  
 Constantia Alexandrou, Univ. of Cyprus, Cyprus  
 Constantin Mihai, IFIN-HH, Romania  
 Dolores Cortina, CSIC-UV, Spain  
 Elena Gonzalez Ferrero, USC, Spain  
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 Giuseppe Verde, INFN-Catania, Italy  
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 Jelena Vesic, Jozef Stefan Institute, Slovenia  
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 Lucia Popescu, SCK/CN, Belgium  
 Marek Pfuetzner, Univ. of Warsaw, Poland  
 Martin Venhart, Slovak Academy of Sciences, Slovakia  
 Paolo Giubellino, INFN, Italy  
 Patricia Roussel-Chomez, GANIL, France  
 Paul Greenless, Univ. of Jyväskylä, Finland  
 Raimond Snellings, Utrecht University, The Netherlands  
 Raquel Crespo, Univ. of Lisbon, Portugal  
 Silvia Leoni, Univ. of Milano, Italy  
 Timo Sajavaara, Univ. of Jyväskylä, Finland  
 Yvonne Leifels, GSI, Germany  
 Zsófia Kertész, ATOMKI, Hungary  
 Zolt Podolyak, Univ. of Surrey, U.K.

**Local Organising Committee**

GANIL/ Caen  
 Marie-Laure Abavent  
 David Bailley  
 Lucia Caceres  
 Emmanuel Clément  
 François De Oliveira  
 Pierre Delahaye  
 John Frankland  
 Sabrina Leclerc  
 Marek Lewitowicz (chair)  
 Stéphanie Pugin  
 Magali Tanod

LPC/ Caen  
 Lynde Achouri  
 Olivier Lopez  
 Adrien Matta

IJCLab/ Orsay  
 Jonathan Wilson  
 Silvia Nicolai

IRFU/ Saclay  
 Barbara Sullignano  
 Eric Dumontail  
 Michael Winn

# European Nuclear Physics Conference (EuNPC2025)

22–26 September 2025, Caen, France

organised by  
**EPS-NPD, GANIL-SPIRAL2, LPC Caen, IJCLab  
 Orsay and IRFU Saclay, France**

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

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

# Conference Scope

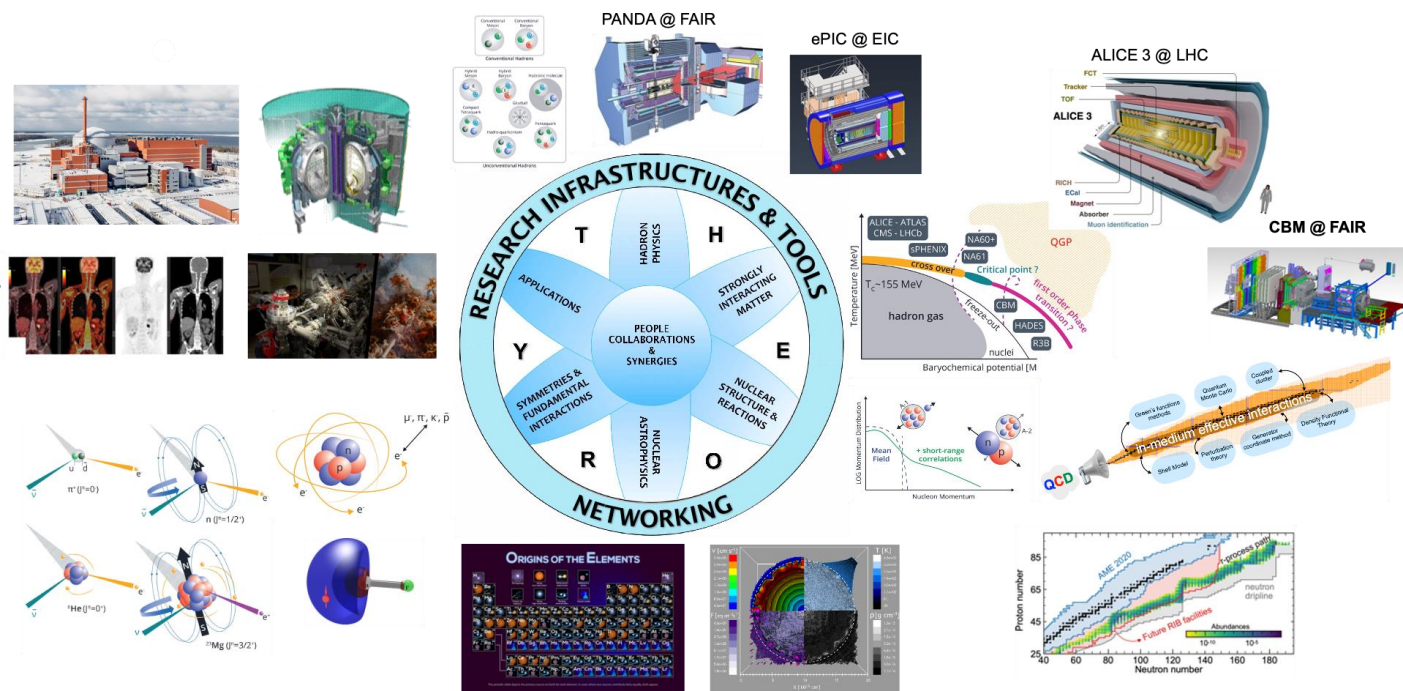
The Conference's scope is to review the most recent results in nuclear physics with a special focus on highlights of experimental and theoretical developments of European collaborations.

## TOPICS

1. Accelerators and Instrumentation
2. Nuclear Structure, Spectroscopy and Dynamics
3. Nuclear Astrophysics
4. Astroparticle Physics and Synergies with Nucl. Phys.
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

Open Science and Data in Nuclear Physics (*Round Table*)

Nuclear Science - People and Society (*Round Table*)



# 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)

Round Table on Open Science and Data in Nuclear Physics

Lise Meitner Prize, Best PhD Prize ceremony on Wednesday (talks on Friday) and Best Posters Ceremony on Friday

Only plenary sessions will be broadcast via YouTube

- **27** Plenary talks (25'+5') + **4** EPS Prizes' laureates
- **54** Invited talks at Parallel sessions (20'+5')
- **214** Oral contributions (15'+5') in 3 days of 8 Parallel Sessions
- About **40-60** posters

319 abstracts submitted

	Mon. 22/09	Tue. 23/09	Wed. 24/09	Thu. 25/09	Fri. 26/09
09:00	Registration				
10:00	Welcome and opening Plenary 1 2 talks	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 Round Table Open Science & Data	Plenary 8 2 talks Round Table Nuclear Physics and Society	Plenary 10 2 talks Best Poster and Lise Meitner Ceremony Closing
13:00	Lunch	Lunch	Lunch	Lunch	
14:00					Lunch
15:00	8 Parallel Sessions 7 talks/topic	8 Parallel Sessions 7 talks/topic	Guided Tours	8 Parallel Sessions 7 talks/topic	NuFFER meeting 26/09
16:00					NuPECC meeting 26 - 27/09
17:00	Coffee break	Coffee break		Poster Session with coffee and refreshments	Coffee Break
18:00	8 Parallel Sessions 7 talks/topic	8 Parallel Sessions 7 talks/topic			NuFFER meeting 26/09
19:00		Poster Session with refreshments			NuPECC meeting 26 - 27/09
20:00	Welcome Cocktail				
21:00					
22:00				Conference Dinner	
23:00	M. Lewitowicz				

## Status of abstract submission

319 abstracts submitted

- 296 for oral contributions -> 214 accepted
- 24 for posters -> 79 accepted
- 5 rejected, 4 withdrawn

About 350 participants expected

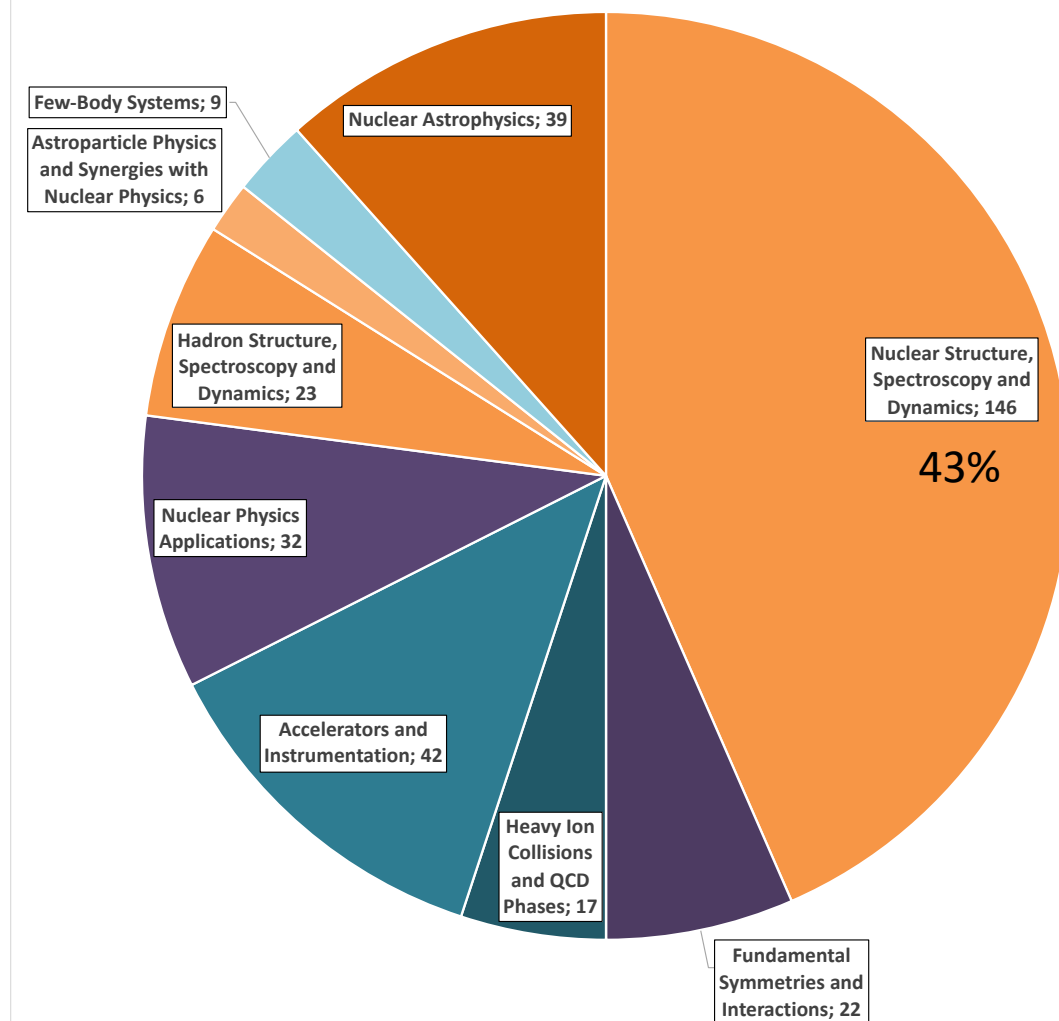
*Only 2x less than at INPC2025 in Korea in May*

Please register and book a hotel as soon as possible at:

<https://indico.in2p3.fr/event/30430/page/4352-how-to-register>



EuNPC2025 Approved Abstracts/topic





GANIL



# EPS & NuPECC Prizes– ceremony and presentations at EuNPC2025

Laureates of the NPD EPS Lise Meitner Prize:

- **Prof. Muhsin Harakeh and Prof. Achim Richter**

Laureates of the NPD EPS Best PhD Prize:

- **Chloe Fougères <[chloe.fougères@cea.fr](mailto:chloe.fougères@cea.fr)>**;
- **Sandro Kraemer <[sandro.kraemer@kuleuven.be](mailto:sandro.kraemer@kuleuven.be)>**;
- **Francesco Marino <[fmarino96@gmail.com](mailto:fmarino96@gmail.com)>**

Ceremony on Thursday 25/09/2025 during the conference dinner

Talks of the laureates on Friday 26/09/2025 in the end of the morning session

NuPECC and EPS Best Posters Ceremony on Friday 26/09/2025 in the end of the conference

# EuNPC 2025

## Important dates

*First circular*

*Abstract submission*

*Registration open*

*Notification of oral presentation*

*Notification of poster presentation*

Second circular

Early registration deadline

Registration deadline

Conference

*January 15<sup>th</sup>, 2025*

*January 15<sup>th</sup> - April 15<sup>st</sup>, 2025*

*March 7<sup>th</sup>, 2025*

*May 23<sup>rd</sup> - 27<sup>th</sup>, 2025*

*June 3<sup>rd</sup> - 6<sup>th</sup>, 2025*

June 15<sup>th</sup>, 2025

June 30<sup>th</sup>, 2025

July 30<sup>th</sup>, 2025


September 22 - 26, 2025



Please register and book a hotel as soon as possible at:  
<https://indico.in2p3.fr/event/30430/page/4352-how-to-register>

**NB. INPC2028 will be held in Deauville in Normandy, France – organized by French research labs and organizations**

# EuNPC2025 & NuPECC, NuFFER & NPN EB meetings



**European Nuclear Physics Conference 2025**

22–26 Sept 2025  
MoHo  
Europe/Paris timezone

Home
Previous editions
Block Timetable
Scientific Programme
<b>Satellite Events</b>
Invited Speakers - Plenary Sessions
Submission of abstracts - invited speakers

## Satellite Events

- **NuPECC meeting - closed - September 26, 2025** in MoHo  
see <https://nupecc.org/?display=misc/meetings>

- **NuFFER meeting - opened/closed in MoHo**  
**Join the launch of the NuPECC Forum For Early-career Researchers (NuFFER)!**

The **NuFFER Kick-off Meeting** will take place on **Friday afternoon, 26 September 2025, just after the closure of the EuNPC2025 conference**. This meeting marks the official launch of an exciting new forum dedicated to supporting early-career researchers (ECRs) in nuclear physics across Europe.

see <https://nuffer.web.cern.ch/upcoming.html>

# EuNPC2025 & NuPECC, NuFFER & NPN EB meetings

	Mon. 22/09	Tue. 23/09	Wed. 24/09	Thu. 25/09	Fri. 26/09	Sat. 27/09	
09:00	Registration					NuPECC meeting 27/09 GANIL	
10:00	Welcome and opening Plenary 1 2 talks	Plenary 3 3 talks	Plenary 5 3 talks	Plenary 7 3 talks	Plenary 9 3 talks		
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15:00	8 Parallel Sessions 7 talks/topic	8 Parallel Sessions 7 talks/topic	Guided Tours	8 Parallel Sessions 7 talks/topic	NuFFER meeting 26/09 MoHo	NuPECC meeting 26 /09 MoHo	
16:00							NPN EB meeting 27/09 GANIL
17:00							
18:00	8 Parallel Sessions 7 talks/topic	8 Parallel Sessions 7 talks/topic		Poster Session with coffee and refreshments	NuFFER meeting 26/09 MoHo	NuPECC meeting 26 /09 MoHo	
19:00							
20:00	Welcome Cocktail	Poster Session with refreshments					
21:00							
22:00				Conference Dinner			
23:00							

# EuNPC2025 & NuPECC, NuFFER & NPN EB meetings

EuNPC 2025 & NuPECC & NuFFER meetings on Friday Sept. 26<sup>th</sup>, 2025

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



CONFERENCE Hall  
250 seats divided into 3 parts

Coffee break at the same time and in the same place  
will be served for both meetings

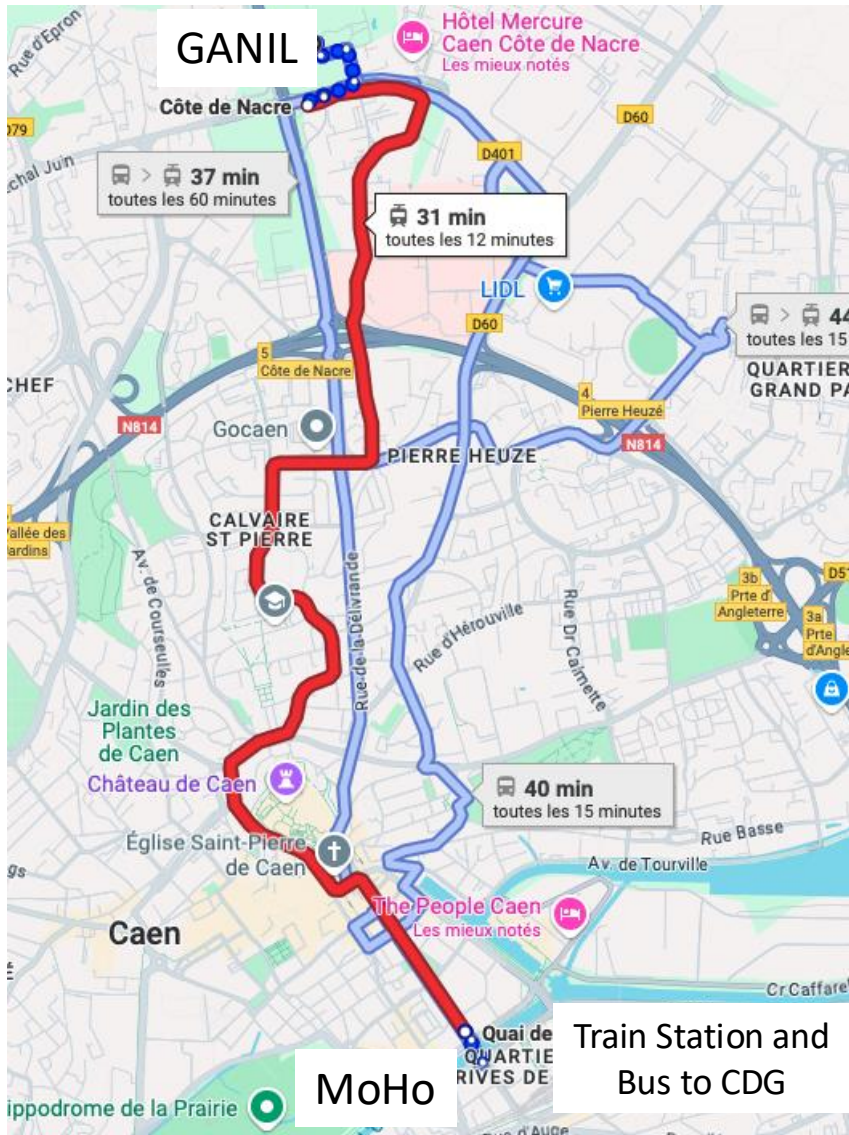
NuPECC & NPN EB meetings on Saturday Sept. 27<sup>th</sup>, 2025

**Maison d'Hôtes (Guest House) of GANIL**

(<https://www.ganil-spiral2.eu/scientists/running-an-experiment-in-ganil/preparing-your-stay/accomodation/>)

Dinner will be organized on Friday evening in Caen, lunch and coffee breaks will be organized on Friday & Saturday

# EuNPC 2025 & NuPECC, NuFFER & NPN EB meetings



For the transport from and to CDG airport  
Hotels close to MoHo are indicated at the EuNPC2025 indic



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

From MoHo (Hotel close to MoHo) to GANIL take the tram T2 (every 12 min.)  
Journey by tram plus walk takes about 30 min.

Tickets: <https://www.twisto.fr/en/titres/tickets/1-hour>  
can be purchased at the tram stops or inside the tram

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

**2025: 1000-year anniversary of the City of Caen**

- 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)



## Social Program

Domaine de la Baronnie – Bretteville-sur-Odon few km from Caen

### Conference Dinner (Wednesday Evening)

- For 350 persons with a music performance



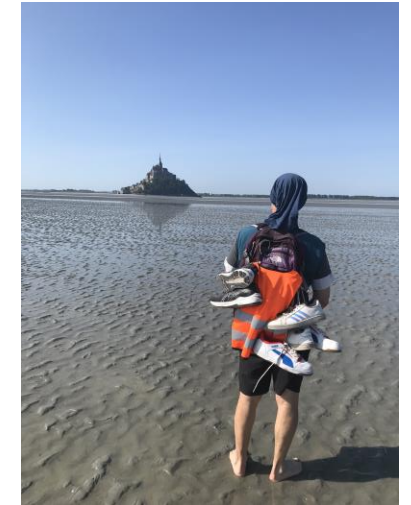
# Social Program

## Guided Tours on Wednesday afternoon (1/3)

- The Mont Saint Michel

Mont-Saint-Michel was inscribed on the UNESCO list of World Heritage Site 1979. It is visited by more than three million people each year.

A guided tour of Mont Saint Michel Abbey or Bay tour included



# Social Program

## Guided Tours on Wednesday afternoon (2/3)

- Visit of the ESFRI Landmark facility GANIL-SPIRAL2 and visit of one of the famous Cider/Calvados distillery with tasting



## Conference Fee

Category	Registration
EPS members	500 €
Senior researcher (before June 30th, 2025)	560 €
Senior researcher (after June 30th, 2025)	650 €
Early Career Researcher (< 8 years after PhD) without grant	220 €
Accompanying person	165 €

### Registration fees include

#### Participant registration

Entrance to Conference Sessions and Exhibition  
Welcome Reception  
Tea & Coffee Breaks  
Lunch  
Conference Bag  
Conference Badge  
Banquet

#### Accompanying Persons Registration

Welcome Reception  
Conference Bag  
Conference Badge (Accompanying Person)  
Excursion  
Banquet

### Grants for Early Career Researchers

The conference organisers will offer up to 45 grants covering the conference fee for Early-Career Researchers (ECR) (< 8 years after PhD, including PhD students and graduate students).

The applicant must submit an abstract related to one of the conference topics.

The travel and local expenses during the conference should be covered by the participants themselves. However, the ECRs can benefit from a low-cost accommodation in Caen.

All names of conveners are at the indico

- Accelerators and Instrumentations
  - V. Bertone (Irfu, CEA, France), A. Maj (IFJ Krakow, Poland), C. Mihai (IFIN-HH, Romania), M. Lewitowicz (GANIL, France)
- Nuclear Structure, Spectroscopy and Dynamics
  - D. Boilley (GANIL, France), A. Bruce (University of Brighton, U.K.), E. Clément (GANIL, France), J. Frankland (GANIL, France), B. Jurado (LP2ib, France), S. Leoni (INFN Milano and University of Milano, Italy), A. Lopez-Martens (IJCLab, France), Z. Podolyak (University of Surrey, U.K.), P. Reiter (IKP-Köln, Germany), T. Rodriguez (Uni Madrid, Spain), B. Sullignano (Irfu CEA, France), G. Verde (INFN Catania, Italy), J. Wilson (IJCLab, France)
- Nuclear Astrophysics
  - L. Achouri (LPC Caen, France), F. De Oliveira (GANIL, France), M. La Cognata (INFN – LNS, Italy), A.-C. Larsen (Oslo Cyclotron Laboratory, Norway)
- Astroparticle Physics and Synergies with Nuclear Physics
  - A. Haungs (KIT, Germany), E. Scapparone (INFN Bologna, Italy), T. Suomijarvi (IJCLab, France)
- Heavy Ion Collisions and QCD Phases
  - L. Fabbietti (TUM, Germany), A. Fantoni (INFN-LNF, Italy), Elena G. Ferreira (Univ. of Santiago de Compostela, Spain), M. Winn (Irfu CEA, France)
- Hadron Structure, Spectroscopy and Dynamics
  - C. Alexandrou (University of Cyprus, Cyprus), S. Niccolai (IJCLab, France), K. Schönning (Uppsala, Sweden)
- Fundamental Symmetries and Interactions
  - P. Crivelli (ETH Zurich, Switzerland), P. Delahaye (GANIL, France), N. Oreshkina (Max-Planck-Institut, Heidelberg, Germany), M. Pfuetzner (Univ. of Warsaw, Poland), E. Widmann (SMI Vienna, Austria)
- Nuclear Physics Applications
  - I. Bogdanovic Radovic (Ruđer Bošković Institute, Croatia), E. Dumonteil (Irfu CEA, France), C. Jouanne (DEN CEA, France), Z. Kertesz (HUN-REN Institute for Nuclear Research, Hungary), S. Pomp (Uppsala Univ.), T. Sajavaara (University of Jyväskylä, Finland), P. Tamagno (CEA Cadarache, France), Ch. Vandervoorde (GSI, Germany)
- Few-Body Systems
  - C. Alexandrou (University of Cyprus, Cyprus), R. Crespo (Instituto Superior Tecnico Lisboa, Portugal) E. Garrido (Instituto de Estructura de la Materia, CSIC, Spain), M. Marqués (LPC Caen, France)
- Round Table on Open Science and Data in Nuclear Physics
  - A. Lemasson (GANIL, France), O. Lopez (LPC Caen, France)
- Round Table on Nuclear Science - People and Society
  - M. Borge (CSIC, Spain), Ch Diget (Univ. of York, UK), S. Schmeling (Education Div. EPS)

**Role of the Session Conveners**

- Propose invited speakers for a given topic
- Select for a given topic oral contributions and posters from abstracts
- 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

*N.B. The underlined conveners act as coordinators of topics.*

## 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 Caen:

- L. Achouri (nuclear structure, experiment)
- O. Lopez (nuclear reactions and EOS of nuclear matter)
- A. Matta (nuclear structure and reactions)

### 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

# International Advisory Committee (IAC)

IAC = EPS – Nuclear Physics Division Board (15 memb.) + Part of NuPECC LRP2024 Steering Committee (10 memb.) + Chair of EuNPC2022

First Name	Last Name	Institution	Country	Email
Alessandra	Fantoni	INFN-LNF Frascati	Italy	<a href="mailto:fantoni@lnf.infn.it">fantoni@lnf.infn.it</a>
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Eugenio	Scapparone	INFN Bologna	Italy	<a href="mailto:scapparone@bo.infn.it">scapparone@bo.infn.it</a>
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Paul	Greenless	JYFL-ACCLAB	Finland	<a href="mailto:paul.greenlees@jyu.fi">paul.greenlees@jyu.fi</a>
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Raquel	Crespo	Instituto Superior Tecnico Lisboa	Portugal	<a href="mailto:raquel.crespo@tecnico.ulisboa.pt">raquel.crespo@tecnico.ulisboa.pt</a>
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Timo	Sajavaara	University of Jyväskylä	Finland	<a href="mailto:timo.sajavaara@jyu.fi">timo.sajavaara@jyu.fi</a>
Yvonne	Leifels	FAIR/GSI	Germany	<a href="mailto:y.leifels@gsi.de">y.leifels@gsi.de</a>
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Zolt	Podolyak	University of Surrey	UK	<a href="mailto:z.podolyak@surrey.ac.uk">z.podolyak@surrey.ac.uk</a>

**Role of the IAC**  
Advise on invited speakers

**26 Members: 14 women, 12 men**

The IAC members will be requested to give their grades for the invited speakers via an interactive questionnaire

Final choice of speakers to be done by conveners