

Hybrid Joint Meeting of the WG9 and C12

May 28, 2025 14:00-18:15 pm (Asia- Seoul)

The C12 Commission on Nuclear Physics was established by IUPAP in 1960 to promote the exchange of information and views among the members of the international nuclear physics community.

<https://iupap.org/who-we-are/internal-organization/commissions/>

Officers

Chair

Maria Jose Garcia Borge

mj.borge@csic.es

Vice-Chair

Eberhard Widmann

eberhard.widmann@oeaw.ac.at

Secretary

Jin-Hee Yoon

jinyoon@inha.ac.kr

Distribution list

iupap-c12-members@cern.ch

**Associate Members from other commissions ??
(2025-2028)**

WG14:

Christine Darve (ESS,Sweden)

Members

- **Mitko Gaidarov** gaidarov@inrne.bas.bg
- Rituparna Kanungo ritu@triumf.ca
- Marcella Grasso marcella.grasso@in2p3.fr
- Laura Fabbietti laura.fabbietti@ph.tum.de
- Zsolt Fulop fulop@atomki.hu
- Adam Kisiel Adam.Kisiel@pw.edu.pl
- **Mathis Wiedeking** Mathis.wiedeking@wits.ac.za
- **Tord Johansson** tord.johansson@physics.uu.se
- Liam Gaffney liam.gaffney@liverpool.ac.uk
- Sherry J. Yennello yennello@comp.tamu.edu

Associate members

- **Diego Bettoni**, Italy bettoni@fe.infn.it
- **Roberto Meigikos Anjos**, Brazil rmeigikos@id.uff.br
- **Satoshi Nakamura**, Japan nue@nex.phys.s.u-tokyo.ac.jp
- **Cedric Simenel**, Australia cedric.simenel@anu.edu.au

Names in **red** from in C12 were already in the Committee

Early Career Scientist Prizes (ESCPs)

The purpose of the prize is: "To recognize and encourage promising experimental or theoretical research in nuclear physics, including the advancement of methods, procedures, techniques, or devices that contribute in a significant way to nuclear physics research."

The prize consists of an amount of 1,000 €, a medal, a certificate citing the recipient's contributions, and a presentation at INPC 2025 where they will receive the award.

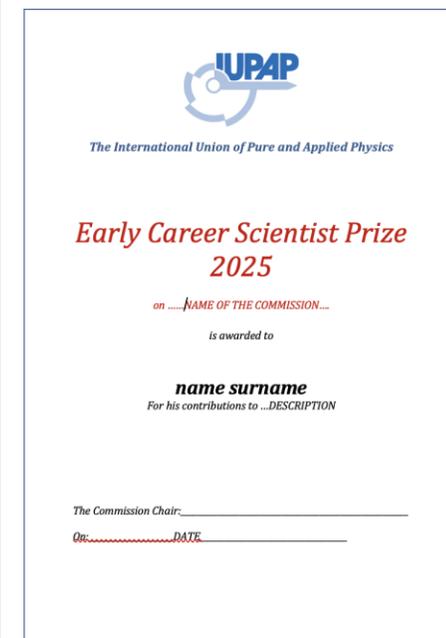


The Call was open from September 1st till November 1st.

26 nominations + 1 auto-nomination that was discarded

All members from C12 could vote their best 5 candidates.

Very difficult many good candidates. We had so many very good candidates that we had to do several rounds



Committee members

Ani Aprahamian
Maria J. G. Borge
Eberhard Widmann
Anna Mackova
Fanny Farget
Iris Dillmann
Diego Bettoni
Mitko Gaidarov
Leonid Grigorenko
Tord Johansson
Tomofumi Nagae
Mathis Wiedeking
Yanlin Ye
Jin-Hee Yoon



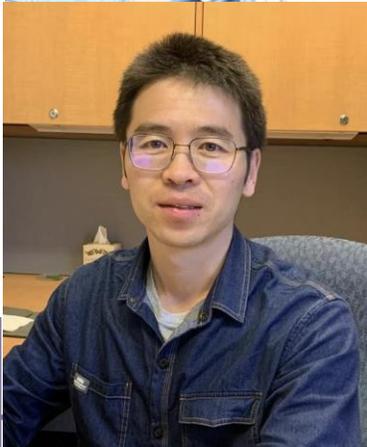
"For his relevant and innovative contributions for precision measurements in nuclear beta decay to search for new physics beyond the Standard model".

Leendert Hayen studied physics at KU Leuven, Belgium, and ETH Zurich in Switzerland, and in 2018 obtained his PhD at KU Leuven. He then continued as a postdoctoral scholar and research assistant professor at North Carolina State University and Triangle Universities Nuclear Laboratory. In 2023, Leendert was awarded **the prestigious Chaired of CNRS at LPC Caen (France)**



“For her innovative studies of exotic nuclei using in-beam gamma spectroscopy with fast radioactive isotope beams, including the development of a novel target and recoil-particle detection system.”

Hongna Liu studies physics at Lanzhou University, China, and her Ph.D. degree at Peking University in 2017. During her Ph.D. study, she worked at RIKEN Nishina Center, Japan, from 2011 to 2014, focusing on in-beam gamma spectroscopy of exotic and stable nuclei using heavy-ion induced knockout reactions. After her Ph.D., she worked at KTH, Sweden and, in 2017, received the Enhanced Eurotalents Fellowship to work at CEA Saclay, France. In 2018, she moved to IKP, TU Darmstadt. Since 2022, **Dr. Hongna Liu has been a faculty member at Beijing Normal University, China**



“For pioneering ab initio nuclear theories that extend precision calculations to heavy and strongly deformed nuclei—advancing our understanding of nuclear structure, dense nuclear matter, and physics beyond the Standard Model.”

Baishan Hu Ph.D. degree from Peking University, China, in 2017. post-doc in Pekin Univ, TRIUMF and Oak Ridge. **Since 2024, he has been a research assistant professor at Texas A&M University, College Station, USA.**

New Initiative (pilot C12) to promote early career Scientist

Lindsay Downie publisher of Frontiers has invited the C12 Early Career Scientist winners, to publish a mini-review—all publishing charges will be waived—in the [journal Frontiers in Physics](#) (editor-in-chief Alex Hansen, former IUPAP Vice President and now in charge of the working group on open science).

The three awardees accepted it enthusiastically the offer

The IUPAP Interdisciplinary Early Career Science Prize (IECSP) recognizes the contributions of ECS who carry out and/or facilitate interdisciplinary research that does not fit within a single field of physics covered by one of the IUPAP Commissions. In view of the start of International Year of Quantum (IYQ) and the Decade of Science for Sustainable Development (DSSD), nominations pertaining to these areas are encouraged.

Up to two winners will be selected for the IECSP ([one each for 2024 and 2025](#)), which would be presented at the IUPAP General Assembly to be held in 2025. PhD defended from 2016 and on.

The nominee should be the principal contributor to the original work of outstanding scientific quality in an interdisciplinary area that spans at least two physics fields.

The Nomination Letter should state the fields of physics that are impacted by the research of the nominee. This letter should list at least two IUPAP Commissions, Affiliated Commissions or Working Groups that specialize in those fields.

The nomination should be sent to secretariat@iupap.org with the Subject: "Interdisciplinary Early Career Science Prize" by **May 30, 2025**.

Some of our candidates could have perfectly been presented in this call

Type	Conditions	Support
A – General Conference, Around 10/y	large general meeting of 750 – 1000 attendees covering an entire field (i.e. the area covered by the commission). Deadline June 1st	11.500 € incl. 5.000 € travel grant
B – Topical Conference, Around 12 /y	300 – 500 attendees on a subset of topics. Deadline June 1st	5.000 €
C – Special Conference	50 – 200 attendees on a specialized topic, and may be a workshop	Only endorsement
D – Workshops in developing countries	Applications through C13. Deadline June 1st	

- Source: IUPAP web page [Application for Conference Sponsorship](#)
- Conditions
 - Free circulation of scientists
 - Harassment officers
 - Gender balance: quota in all committees (>20%) and in invited speakers
 - Have proceedings
 - Host in different Countries

Sponsored

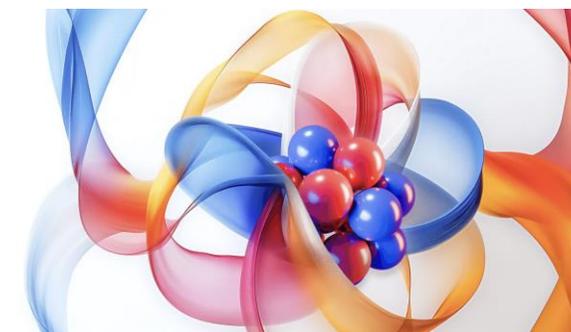
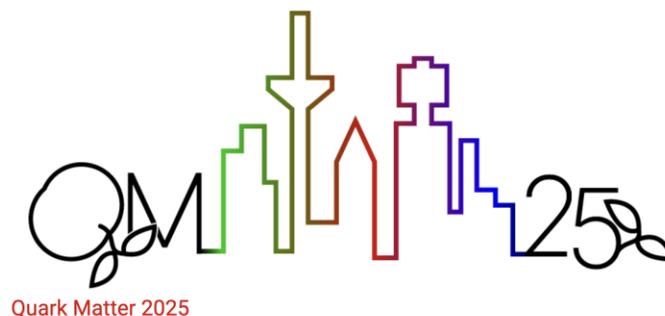
- [31st International Conference On Ultrarelativistic Nucleus-Nucleus Collisions \(Quark Matter 2025\)](#) → **Type B (5000 SFr) (proposed type A)**
6-12 April 2025 – Frankfurt am Main, Germany

- [The 29th International Nuclear Physics Conference \(INPC 2025\)](#) → **Type A (11500 SFr)**
25-30 May 2025 – Daejeon, Korea

Endorsed

- [38th Mazurian Conference on Physics “Rare isotopes – probes of fundamental processes in subatomic matter”](#)
31 August-September 2025 – Mazurian Lakes District, Poland (Always in the same Country)
Proposed type B (Always in the same Country)

- [European Nuclear Physics Conference 2025 \(EuNPC2025\)](#)
22-26 September 2024 – Caen, France (No proceedings)
Proposed type B (No proceedings)



Nuclear Structure 2026

27 – 31 July 2026

Simon Fraser University, Vancouver, BC, Canada

Organiser: Corina Andreoiu

<https://indico.triumf.ca/event/745/overview>

Participants +150

Funding requested 3800 €

Proceedings: No, high cost, publish the presentations in the web

Never sponsored by IUPAP before.

Previous Conference in ANL with 158 participants

The 5th International Conference on Advances in Radioactive Isotope Science: ARIS 2026

June 1-7th, 2026

Fukushima, Japan

Organiser: Nori Aoi

<https://uia.org/s/ca/en/1300597886>

Expected Participants: 400

Funding Requested: 7000€

Proceedings: Journal of Physical Society of Japan (JSPJ). The proceedings will be in open access and only the online version will be provided. **Organise Public lecture**

Direct Reactions with Exotic Beams: DREB 2026

June 21-26, 2026

Organiser: Jie Chen

Shenzhen, Guangdong, China

<https://indico.global/event/14776/>

Participants 120

Funding requested 10000 €

Proceedings: No,

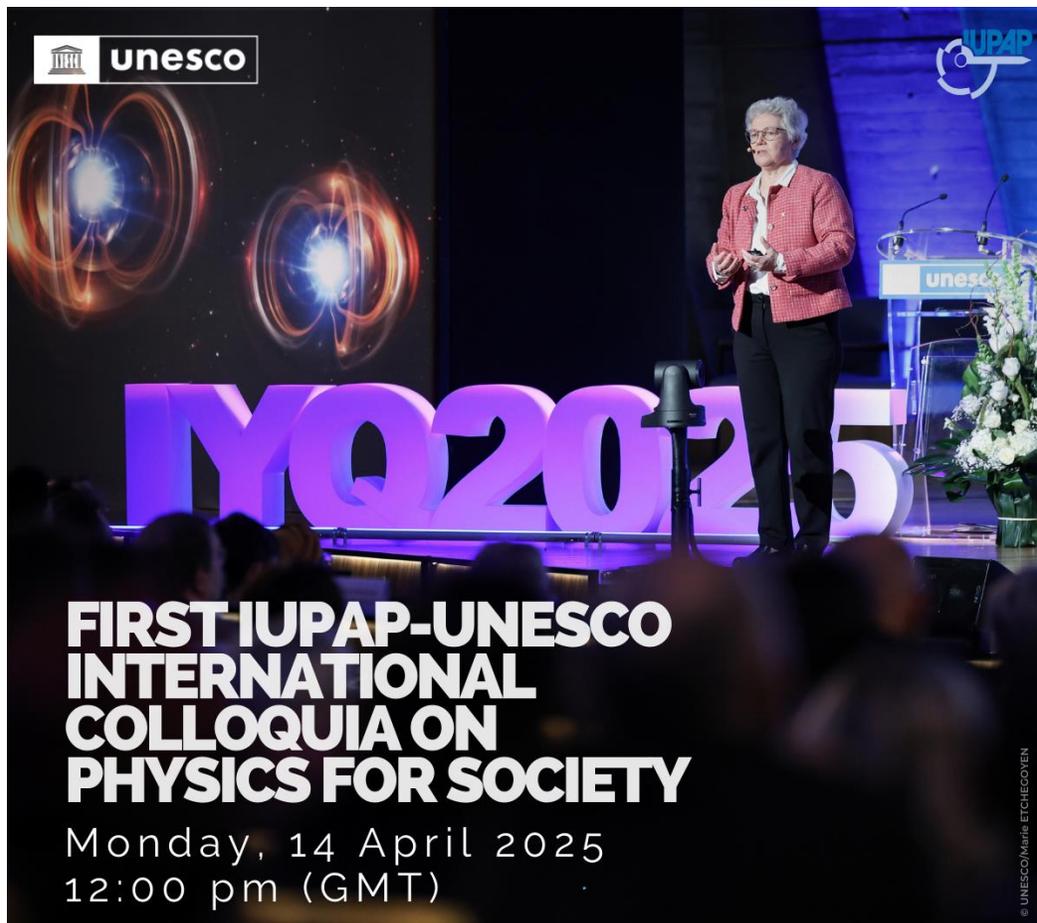
Endorsed by IUPAP before.

5 Candidatures for INPC 2028 from 3 different continents!!



The international conference on nuclear physics in Rome 11–18 October 1931. In the foreground Robert Millikan, Arthur Compton, Marie Curie, Guglielmo Marconi, and Niels Bohr. Millikan, Compton and Bohr all became engaged in the naming of the new elementary particles which appeared over the next decade. Courtesy: Niels Bohr Archive, Photo Collection

IUPAP-UNESCO International Colloquia on Physics for Society



**WITH PROF. ANNE L'HUILLIER, PHYSICS NOBEL
LAUREATE (2023)**

Next One June 16 on Quantum Technology

- **It is time to Plan a C12-IUPAP Nuclear Science Symposium, last one in London July 2019**
 - Perhaps it can be in Rome, Madrid, or,...
- Any plan for addition to Report 41? Important to have the following information:
 - A summary of the strategy reports on 2024 Long Range Plan (NuPECC) A new Era of discovery: 2023 Long Range plan for Nuclear Science (DoE), Canadian Subatomic Long Range Plan 2022-26 (Canada) etc,...
 - Gender balance in the different facilities,....
 - Open Data policies
 - Sustainability

United Nations for 2025



INTERNATIONAL YEAR OF
Quantum Science
and Technology

100 years of quantum is just the beginning...

