American Physical Society Division of Nuclear Physics
https://engage.aps.org/dnp/home

Chair Line

Chair	Chair-Elect	Vice-Chair	Secretary-Treasurer
Jim Napolitano	Nadia Fomin	Helen Caines	Ramona Vogt
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DNP 2025 WEBSITE:

https://indico.phy.anl.gov/event/58/overview

Upcoming Deadlines:

10 September 2025
Early Deadline for DNP 2025 Registration
23 October 2025
Deadline for contributed abstract submission for the 2026 GPS

The Division of Nuclear Physics home page is available at https://engage.aps.org/dnp/home. Information of interest to DNP members such as nominations, prizes, and committee memberships can be found there. The DNP newsletters are also posted online. Comments and suggestions are solicited and can be sent to Lee Bernstein at labernstein@lbl.gov or Sofia Quaglioni at quaglioni1@llnl.gov.

I. ADVOCATE FOR SCIENCE FUNDING

As outlined in the May newsletter, the DNP Chair Line would like to remind members to contact their elected officials and emphasize the importance of keeping our field healthy into the future. We also think it is important to remind Congress that funding the DOE Office of Science and the National Science Foundation is critical to maintain US leadership in science and technology. Our voices matter. You can find information about how to advocate, including a template letter tailored to particular states on this APS website. Feel free to personalize it or write your own letter. It is especially important to remind members of Congress of how science and technology drive innovation and keep America competitive and also how nuclear physics is crucial for advancing many applied technologies for defense, national security, medical applications, data science, machine learning, and space travel. Students trained to do research in nuclear physics often become part of the pipeline to advance these technologies as well as driving innovation in many other sectors of the economy. In particular, if your district includes any industries or technology companies that employ nuclear physicists or benefit from nuclear-related technologies, it is worth mentioning that these either benefit from or were originated by students trained to do experimental and theoretical research in nuclear physics.

II. DNP MEMBERSHIP

The number of DNP members relative to the total membership of APS determines the number of APS Fellows inducted by the DNP each year as well as the number of invited sessions at the April Meeting. The DNP membership has dropped during some recent years. We are therefore urgently asking everyone to do their part in renewing their own membership and encouraging their co-workers, collaborators, postdocs, and students to join the DNP or renew their DNP memberships. For information about membership types, including lifetime memberships, see https://www.aps.org/membership/join.

III. DNP 2025 FALL MEETING

The special events and scientific program for the 2025 DNP meeting in Chicago are summarized here.

On 16 October, Shelly Lesher and Nadia Fomin will again host the **Developing Early Carer Physics Mentors Workshop**. Mentoring of undergraduate students, graduate students, and postdoctoral researchers is an important part of any scientist's career. Research has shown that a good mentoring relationship can be one of the most important factors in determining students' persistence in graduate school and recruitment of underrepresented students in the STEMM community. Although the importance of mentorship is understood, very few faculty have ever participated in a mentor training program and few structured training events are provided, especially for academics early in their career. This interactive workshop aims to train young scientists (primarily assistant professors and new staff scientists) with the skills to mentor graduate and undergraduate students. The material used for the workshop has been developed by the Center for the Improvement of Mentored Experiences in Research (CIMER) and adapted with contributions by the American Physical Society to provide relatability to physicists.

There will be a special lunch, **"Navigating Change: Leadership for Emerging Scientists in a Shifting Research Landscape"**. Today's environment of rapid technological advancement and evolving national

priorities presents both unique opportunities and challenges. This networking session explores how emerging researchers can develop leadership skills to thrive in today's dynamic scientific environment. Speakers will discuss the role of public affairs and science advocacy, provide insights into how the Department of Energy operates and funds research, and offer practical strategies for harnessing AI as a tool for scientific innovation. Join us to connect with peers and mentors, and gain the perspective needed to shape your career and the future of science. This session will be held as a working lunch, and tickets can be purchased through the DNP and DNP CEU registration process. The lunch will be at the hotel between the pre-meeting workshops and the opening plenary session. Tickets are $35.

There will be a screening of the documentary **"Secrets of the Universe"** at the Chicago Hilton. The science documentary immerses audiences in the greatest mysteries of our time – puzzles spanning from the infinitesimal to the infinite – and introduces the people that work to unravel them. The screening will be followed by a panel discussion with physicist filmmakers Ágnes Mócsy and Manuel Calderón de la Barca Sánchez, who will discuss their unique perspectives on filmmaking as a venue to share stories and dismantle stereotypes surrounding scientists. This event is open to the public as well as DNP members. It is a free event on Saturday evening.

The DNP is also pleased to host **An engineer in the foundations of physics: a comedy lecture by Gabriele Carcassi**. Gabriele Carcassi, researcher at the University of Michigan Physics Department and lead of the project Assumptions of Physics (https://assumptionsofphysics.org) with Christine Aidala, will offer a lighthearted glimpse of the technical – but mainly sociological – challenges within the foundations of physics. Through original music and stolen jokes, he will lift the rug and shed light on those questions that were swept under there. Can they be answered? Join us to find out! This event is free and will take place on Sunday evening, after the DNP Business Meeting and Town Hall.

Participants will also be able to register for **"How to stand up? Basics of upstander practices"**. During this workshop, participants will learn practical skills for becoming an upstander (an active bystander). Through interactive, scenario-based activities, participants will gain experience in applying various styles of bystander intervention, enabling them to confidently address challenging situations. The scenarios presented will focus on dynamics and issues common in the nuclear science community. The workshop will be offered in two distinct sessions: one tailored for undergraduate and graduate students, and another for postdocs, faculty, and staff scientists. Each session will last 1.5 hours and will take place during lunchtime (bring your lunch with you!). Seats are limited and will be allocated on a first-come, first-served basis.

There will be a graduate student social on Sunday evening. Graduate students are invited to attend and make connections among their peers from across fields and institutions. Advance tickets are $10.

The scientific program will begin with 10 workshops in the morning of the 17$^{\text{th}}$ and end with 8 workshops in the afternoon of the 20$^{\text{th}}$. One of the workshops on the 17$^{\text{th}}$, **Advanced Sensors for Nuclear Decay Experiments**, is being sponsored by the Moore Foundation and will be live-streamed.

The DNP Education Committee is again sponsoring a workshop, **Professional Development for Early-Career Scientists**, on the 20$^{\text{th}}$. As stated on the DNP website, a successful career in nuclear physics involves progressing through several stages: from graduate school and research training to postdoctoral work and professional roles in academia, national labs, or industry. At each stage, quality professional advice can help set priorities, navigate challenges, and make informed decisions. This workshop series connects early-career researchers with insights from experienced colleagues across the field. This edition again features two panels.

The first, **Thriving as a Physics Graduate Student**, will feature experienced mentors from the nuclear physics community who will share their stories and answer questions. The panelists are: Elise Novitski, University of Washington; Alan Poon, Lawrence Berkeley National Laboratory; Heiko Hergert, Michigan State University; and Andrea Richard, Ohio University.

The second, **Careers Beyond Academia**, will bring together professionals from diverse careers in nuclear physics outside of academia. The panelists are: Dawn A. Shaughnessy, Nuclear and Chemical Sciences Division, Lawrence Livermore National Laboratory; David Brown, National Nuclear Data Center, Brookhaven National Laboratory; Zachary Meisel, Department of Engineering Physics, Air Force Institute of Technology; and Katherine Childers, Remote Sensing Laboratory, Nuclear Emergency Support Team.

Each 1-hour panel will be followed by a 30-minute Q&A.

The other workshops, following the tradition of the Hawaii meeting, were proposed by members, and cover a range of topics. The prospect proved sufficiently popular that it was decided to both lead off and conclude the meeting with workshops. There will be 10 in the morning before the plenary sessions and 8 in the afternoon, following the conclusion of the regular program. The complete list can be found on the meeting website, under the workshop tab. Each member registering for the meeting can sign up for one pre-meeting workshop and one post-meeting workshop.

In keeping with 2025 being the International Year of Quantum Science and Technology, not to mention the recent explosive growth in Quantum Computing and Quantum Information, the DNP is pleased to announce that the 2025 plenary sessions will feature presentations on the unique contributions that nuclear physics is making to this field. Two presentations will cover theoretical

progress, while the other two will focus on experimental contributions. Theoretical progress includes ways to use quantum computing for simulation of gauge fields as well as how nuclear physics is informing new quantum technologies. Experimental topics include using radioactive atoms as quantum sensors, and measurements of radiation hardness of quantum devices.

Parallel scientific sessions – invited speaker sessions, mini-symposia, and contributed sessions – will be held starting Saturday morning and concluding Monday afternoon.

The CEU poster session and the Physical Review Meet-the-Editors Drop-In reception will be Saturday afternoon.

The Business meeting is Sunday afternoon. An email will go out to DNP members with a Zoom link so that members who are not at the meeting and wish to attend can join.

The Program Committee has organized 7 invited sessions and 10 minisymposia. A brief description of each of these special sessions can be found in the May newsletter.

As a reminder, the invited sessions are

Invited Sessions

- Advancing Nuclear Science at ATLAS
- Fingerprints From Exotic Nuclei on Astrophysical Transients
- From RHIC to the EIC
- Recent Results from GlueX at Jefferson Lab
- The Latest on Neutrinos
- New Developments in Short-Range Nuclear Structure
- Nuclear Physics in GeV-scale Neutrino Interactions

The final invited session, the award session, will include talks by the Freedman Award Winner and the DNP Dissertation Award and Mentoring Award winners.

Minisymposia

- Computational Nuclear Physics for Exotic Nuclei and Astrophysics
- Data Driven Discoveries in Nuclear Physics
- Exploiting Hard Probes to Study the Quark Gluon Plasma
- Highlights in Nucleosynthesis
- New Advances in Lattice QCD
- New Results in Hadron Spectroscopy
- Nuclear Effects in Neutrino Interactions
- Parton Fragmentation in Hard Processes
- Progress in Neutron Beta Decay
- What are the Necessary Conditions for Quark Gluon Plasma Formation?

Additional details are available at the conference website.

IV. DNP COMMITTEES

Executive Committee

- Jim Napolitano, Temple U., Chair (2026)
- Nadia Fomin, U. Tennessee Knoxville, Chair Elect (2026)
- Helen Caines, Yale, Vice Chair (2026)
- Dean Lee, Michigan State U, Past Chair (2026)
- Ramona Vogt, LLNL & UC Davis, Secretary-Treasurer (2028)
- John Wilkerson, University of North Carolina, Division Councilor (2025)
- Lee Bernstein, LBNL & UC Berkeley (2026)
- Kelly Chipps, ORNL (2026)
- Heather Crawford, LBNL (2027)
- Daniel Phillips, Ohio U (2026)
- Sofia Quaglioni, LLNL (2027)
- Paul Reimer, ANL (2027)
- Jamie Karthein, Texas A & M (2026)

Program Committee

- Nadia Fomin, U. Tennessee Knoxville, Chair (2025)
- Helen Caines, Yale, Vice Chair (2025)
- Jim Napolitano, Temple U., Past Chair (2024)
- Dean Lee, Michigan State, Past Chair (2023)
- Ramona Vogt, LLNL/UC Davis, Secretary-Treasurer (2027)
- Dave Brown, BNL (2025)
- Jan Bernauer, Stony Brook (2025)
- Daniel Cebra, UC Davis (2025)
- Garth Huber, U Regina (2025)
- Kyle Leach, Colorado Mines (2025)
- Elise Novitski, U Washington (2025)
- Hendrik Schatz, Michigan State (2025)
- Nicole Vassh, TRIUMF (2025)
- Wim Cosyn, Florida International U (2026)
- Jon Engel, U North Carolina (2026)
- Pablo Giuliani, Michigan State (2026)
- Jason Newby, ORNL (2026)
- Peter Petreczky, BNL (2026)
- Andrew Puckett, U Connecticut (2026)
- Prithwish Tribedy, BNL (2026)

2025 Hans Bethe Prize Committee (Award March 2026)

- Sanjay Reddy, U Washington (Chair)
- William Hix, U Tennessee Knoxville (Vice Chair)

- Melina Avila, ANL
- Catherine Deibel, Louisiana State
- Carla Frohlich, North Carolina State
- Michael Zingale, Stony Brook

2025 Tom Bonner Prize Committee (Award March 2026)

- Jen-Chieh Peng, U Illinois (Chair)
- Albert Young, North Carolina State (Vice Chair)
- Barbara Jacak, LBNL and UC Berkeley
- Andrea Richard, Ohio U
- Jacklyn Gates, LBNL
- Jason Detwiler, U Washington

2025 Herman Feshbach Prize Committee (Award March 2026)

- Anna Stasto, U Penn (Chair)
- Jorge Piekarewicz, Florida State (Vice Chair)
- Chuck Horowitz, U Indiana
- Gail McLaughlin, North Carolina State
- Jacquelyn Noronha-Hostler, U Illinois
- Claudia Ratti, U Houston

2025 Stuart Jay Freedman Award Committee (Award October 2025)

- Jaideep Singh, Michigan State (Chair)
- David Hertzog, U Washington (Vice Chair)
- Stephanie Lyons, PNNL
- Guy Ron, Hebrew University
- Ronald Fernando Garcia Ruiz, MIT
- Julieta Gruszko, U North Carolina Chapel Hill

2025 DNP Dissertation Award Committee (Award October 2025)

- Veronica Dexheimer, Kent State (Chair)
- Diana Parno, U Virginia (Vice Chair)
- Saori Pastore, Washington U
- Ragnar Stroberg, Notre Dame
- Wei Jia Ong, LLNL
- Jaideep Singh, Michigan State

2025 DNP Distinguished Service Award Committee (Award October 2025)

- Dean Lee, Michigan State (Chair)
- Jim Napolitano, Temple
- Nadia Fomin, U Tennessee Knoxville
- Helen Caines, Yale
- Ramona Vogt, LLNL & UC Davis

2025 DNP Community Engagement Award Committee (Award October 2025)

- Dean Lee, Michigan State (Chair)
- Jim Napolitano, Temple
- Nadia Fomin, U Tennessee Knoxville
- Helen Caines, Yale
- Ramona Vogt, LLNL & UC Davis

2025 DNP Mentoring Award Committee (Award October 2025)

- Dean Lee, Michigan State (Chair)
- Jim Napolitano, Temple U. (Vice Chair)
- Julie Roche, Ohio U (Education Comm. Chair)
- Mustafa Rajabali, Tennessee Tech
- Agnieszka Sorensen, Michigan State
- Doug Highinbotham, Jefferson Lab
- Susan Gardner, U Kentucky

2025 DNP Fellowship Committee (Awards March 2026)

- Vincenzo Cirigliano, U Washington (Chair)
- Cynthia Keppel, Jefferson Lab (Vice Chair)
- Artemis Spyrou, Michigan State
- Jorge Piekarewicz, Florida State
- Julieta Gruszko, U North Carolina Chapel Hill
- Alessandro Lovato, ANL

2025 DNP Nominating Committee (Elections Fall 2025)

- Grigory Rogachev, Texas A&M (Chair)
- Kelly Chipps, ORNL (Vice Chair)
- Jocelyn Reed, Cal State Fullerton
- Kent Paschke, U Virginia
- Matthias Schindler, U South Carolina

2025 Diversity, Equity, and Inclusion Committee

- Susan Seestrom, LANL (Past Chair)
- Warren Rogers, Indiana Wesleyan (Chair)
- Phillipe Colon, Notre Dame (Vice Chair)
- Penny Duran, U Arizona
- Paul Gueye, Michigan State
- Jennifer L. James, Vanderbilt
- Chen Yu Liu, U Illinois
- Sanjay Reddy, U Washington
- Roxanne Springer, Duke
- Allison Zec, U New Hampshire

2025 Education Committee

- Julie Roche, Ohio U (Chair)
- Daniel Phillips, Ohio U (DNP Executive Committee rep)
- Fatiha Benmokhtar, Dusquene U (CEU Director)
- Agnieszka Sorensen, Michigan State
- Erin Hansen, Diablo Valley College
- Mary Kidd, Tennessee Tech
- Daniela Ramirez Chavez, Michigan State (Grad student)
- Brandon Gravel, Dillard U (Undergrad student)

2025 National Nuclear Physics Summer School Steering Committee

- Nadia Fomin, U Tennessee Knoxville (co-Chair, Grant Holder)
- Jean-Francois Paquet, Vanderbilt U (co-Chair)
- Sanjay Reddy, U Washington (Grant Holder)
- Melina Avila, ANL
- Dipangkar Dutta, Mississippi State
- Kristina Launey, Louisiana State
- Matt Sievert, New Mexico State
- Nathaly Santiesteban, U New Hampshire
- Andrew Steiner, U Tennessee Knoxville

2025 Ad Hoc Home Page Committee

- Lee Bernstein, LBNL (Chair)
- Sofia Quaglioni, LLNL (Vice Chair)
- Ramona Vogt, LLNL & UC Davis

2025 Ad Hoc Publications Committee

- Daniel Phillips, Ohio U (Chair)
- Heather Crawford, LBNL (Vice Chair)
- Helen Caines, Yale

2025 Ad Hoc APS Nominations Committee

- Helen Caines, Yale (Chair)
- Paul Reimer, ANL

V. CHECK OUT THE EDUCATION COMMITTEE WEBSITE

The DNP Education Committee has created a webpage to share its purpose, activities, and contact information with DNP members. This webpage is hosted by APS and can be accessed from the DNP main webpage. The direct link is: https://engage.aps.org/dnp/resources/educommittee. Links on this web page include:

1. data on how many nuclear-physics faculty are employed at graduate-degree granting institutions,
2. resources related to the Professional Development for Early-Career Scientists workshops the committee organizes,
3. a curated list of grad school level educational resources, and
4. a brochure on graduate school opportunities in nuclear physics in the USA.

Please send comments, corrections, and feedback to Education Committee Chair Julie Roche. The committee continues to work on the update to the graduate school brochure, with the goal of releasing the new version by the beginning of October 2025.

VI. REQUEST FROM APS COMMITTEE ON EDUCATION

The American Journal of Physics invites submissions for a special issue, Motivating physics learning through research applications, with a submission deadline of December 31, 2025. This issue will share how concepts from the undergraduate curriculum are applied in research, with the goal of providing instructors with examples to motivate students to learn these topics. Papers in this issue won't explain entire research problems, but, rather, will share examples from the research process that illustrate the use of specific topics in undergraduate physics. You might think about what concepts are most important for new students in your lab to understand, or what process you love to explain to new students because they recognize its connection to what they learned in class. For more information, see the call for papers.

VII. 2026 GLOBAL PHYSICS SUMMIT

The two APS spring meetings, March and April, will again be combined as the Global Physics Summit (GPS). Although the success of the combined meeting will be evaluated at the end of the 2026 meeting, the two meetings are likely to remain concurrent, if not combined, in the future. However, it is likely that the meetings will continue to be combined to allow for more cross-disciplinary sessions between March and April units. Indeed, this year there will be some joint invited sessions between the March and April units, in addition to the cross-unit focus sessions (with March units as lead) and minisymposia (with April units as lead) featured last year.

The March date again necessitates an early abstract submission deadline, **23 October 2025**. Thus we again outline the DNP sessions at the GPS in this newsletter issue.

The DNP will have a number of invited sessions and minisymposia, as usual. The DNP Program Committee has done a superb job of developing a program for this meeting and should be commended.

The invited sessions, including those shared with other units are:

- Advances in Quantum Simulations for Nuclear Physics (with DQI)
- Clustering Effects in Atomic Nuclei (with GFB)
- Effective Field Theories for Few-Body Systems (with GFB)
- Hadronic Gravitational Form Factors
- Jet Quenching in the Quark-Gluon Plasma from RHIC to the LHC
- May the (weak) Force be with you... EW and BSM at the EIC
- New Directions in Fundamental Symmetries with Rare Isotope Beams
- Modern data analysis tools in nuclear and particle physics (with GHP)
- Near-future programs at JLab and the EIC (with GHP)
- Neutrino oscillations: from detectors to telescopes (with DAP)
- New results from JLab (with GHP)
- Precision QCD computation in hadronic physics (with GHP)
- Quantum Monte Carlo techniques in Condensed Matter and Nuclear Physics I (with DCOMP)
- Quantum Monte Carlo techniques in Condensed Matter and Nuclear Physics II (with DCOMP)
- Quantum Sensing of Rare Isotopes for New Physics Searches (with DAMOP)
- Towards the origin of gold (with DAP)

The sessions with DQI and DCOMP pertain to March unit topics. The DQI session and the first session with DCOMP will be 5 talks, the standard March meeting session length, while the second DCOMP session will be 3 talks, on the April side.

We will also have a session featuring the Bonner and Feshbach Prize winners, along with a joint session with DAP featuring the Bethe Prize winner.

The minisymposia, including shared with other units, both March and April, are:

- (MS) Building cyberinfrastructure for discovery pipelines in nuclear physics
- (F) Detectors and Instrumentation for Nuclear Physics (with GIMS)
- (MS) Emerging challenges and opportunities for workforce development in physics
- (MS) Employment outside academia (with GHP)
- (MS) Ideas for near future programs at JLab and the EIC (with GHP)
- (MS) Interdisciplinary needs to understand multi-messenger events (with DAP)
- (MS) Low-Energy Neutrino Science at the Intersection on Nuclear and Particle Physics
- (MS) New Opportunities for Nuclear Physics in Plasmas & Fusion (with DPP)
- (MS) O+O Collisions at RHIC and the LHC
- (F) Quantum Information and Nuclear Physics (with DQI)
- (F) Radiation Effects on Superconducting Qubits and Sensors (with DQI)

Here (MS) refers to a minisymposium (April unit led) and (F) is a focus session (March led).

Abstract submission for the 2025 meeting opens on 9 September 2024 and closes on 23 October 2024.

Please consider submitting an abstract and attending the Global Physics Summit. It is an exciting opportunity to be part of a much larger program and to learn about other fields of physics not covered by the April meeting. Added programs at the Global Physics Summit are a Career Fair and a Lunch with Experts which were not traditionally a part of the April meeting. The APS Village also includes a wide array of exhibitors.

VIII. FUTURE MEETINGS

8.1. DNP Fall Meetings

The dates and locations for the future DNP Fall Meetings are given below.

2025	October 17-20	Chicago
2026	October 11-14	Philadelphia
2027	October 30-November 5	Seattle
	Joint with Japan	

Note that the 2027 meeting will be the “Hawaii” meeting, albeit in Seattle, not Hawaii.

The dates include the pre-meeting workshops, which are normally held in conjunction with the DNP Fall Meetings. These workshops, organized by the local organizing committee, have been a tradition at the DNP Fall Meetings since they began with the 1986 Vancouver meeting. All meeting attendees are welcome and encouraged to come. It has been the intention of the DNP Executive Committee that these “workshops” should have broad appeal, with introductory pedagogical talks for the benefit of those who have come primarily for the DNP meeting but want to take the opportunity to learn about a field important to the local community.

If anyone is interested in hosting a future DNP meeting, they should contact the DNP Secretary-Treasurer with a proposal.

8.2. APS Spring Meetings

The dates for the next April meeting, held in March, as previously discussed, are given below. The DNP prepares a program for these spring meetings as well, with invited sessions often organized jointly with other units. The meeting is an excellent opportunity to learn about new research and discoveries made by other units. The plenary session has often included Nobel laureates in physics. The DNP program committee also prepares mini-symposia for these meetings. The DNP prize sessions include talks by the Bethe, Bonner and Feshbach Prize winners. The DNP also holds a combined business meeting and town hall during the April meeting, with introduction of the new DNP Fellows and change of unit officers.

The 2026 April meeting will also be held in conjunction with the March meeting and will be held in Denver, CO.

2026	16-20 March	Denver, CO
2027	April	Atlanta, GA

Any comments/suggestions regarding the April meeting should be sent to APS Director of Meetings, Hunter Clemens (clemens@aps.org).

IX. OTHER FORTHCOMING MEETINGS

Meeting organizers who wish to have their meetings advertised in the DNP newsletter should contact the DNP Secretary-Treasurer.