



TO: Members of the *Division of Nuclear Physics*, APS
FROM: Ken Hicks, Ohio U. – Secretary-Treasurer, DNP

WEBSITE WITH MORE INFORMATION ON DNP 2020:

- <http://www.phys.lsu.edu/dnp2020>

Future Deadlines

- **26 June 2020** — DNP20 Meeting Abstract Submission
- **1 July 2020** — DNP Election Nominations

The home page for the Division of Nuclear Physics is available at <http://dnp.aps.org>. Information of interest to DNP members – nominations, prizes, meeting deadlines, *etc.* are provided. Each DNP Newsletter is posted online. Comments and suggestions are solicited. Please send them to Julie Roche at rochej@ohio.edu

1. DNP COMMITTEES

Executive Committee

Krishna S. Kumar, Univ. of Mass. Amherst, Chair (2020)
Sherry J. Yennello, Texas A&M Univ., Chair-Elect (2020)
S. Victoria Greene, Vanderbilt, Vice-Chair (2020)
Robert V.F. Janssens, Univ. of N. Carolina, Past-Chair (2020)
Kenneth H. Hicks, Ohio U., Sec.-Treas. (2020)
A. Baha Balantekin, Univ. of Wisc., Div. Coun. (2021)
Jeffery C. Blackmon, LSU (2020)
Evangeline J. Downie (2021)
Nadia Fomin, Univ. of Tennessee (2020)
Jeffrey S. Nico, NIST (2021)
Jacquelyn Noronha-Hostler (2021)
Julie Roche, Ohio University (2020)

Program Committee

Sherry J. Yennello, Texas A&M Univ., Chair (2020)
S. Victoria Greene, Vanderbilt, Vice-Chair (2020)
Krishna S. Kumar, Univ. Mass. Amherst, Past-Chair (2020)
Kenneth H. Hicks, Ohio U., Sec.-Trea. (2020)
Jeffrey C. Blackmon, LSU (2020)
Vince Cirigliano, LANL (2020)
Catherine Deibel, LSU (2020)
Anna Hayes-Sterbenz, LANL (2020)
Mike Heffner, LLNL (2020)
Kent Paschke, U. of Virginia (2020)
Christine Nattrass, U. of Tennessee (2020)
Ernst Sichtermann, LBNL (2020)
Derek Teaney, SUNY Stony Brook (2020)
Fatiha Benmokhtar, Duquesne U. (2021)
Leah Broussard, ORNL (2021)
Paul Gueye, MSU (2021)
Ania Kwiatkowski, TRIUMF (2021)
Libby McCutchan, BNL (2021)
Zach Meisel, Ohio U. (2021)
Emilie Passemar, Indiana U. (2021)

Other DNP committees will appear in the August Newsletter.

2. POSSIBLE VIRTUAL MEETING FOR DNP20

Because of the COVID-19 pandemic, many large meetings have been cancelled or delayed. It is also uncertain when a vaccine for COVID-19 may be available. It will be difficult for the hotel under contract for DNP20 to be able to provide the kind of space that would allow for appropriate social distancing. Furthermore, there could be liability issues that might arise if an in-person meeting were held. While it might seem obvious that the DNP20 meeting should be moved to a virtual venue, it is not straightforward. For such large meetings, contracts are typically signed far in advance of the meeting, and there are severe damages for canceling our meeting without cause. Without going into the legal aspects, please assume that the DNP is doing what it can to negotiate a suitable outcome, with the health and safety of DNP members as our primary goal. If a virtual meeting takes place, we hope to get all speakers (including contributed talks) into “live” sessions.

3. CALL FOR NOMINATIONS FOR OFFICERS AND EXECUTIVE COMMITTEE (2021)

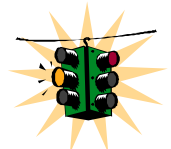
Terms of the officers and three members of the present Executive Committee will expire at the close of the regular meeting of the Division to be held in conjunction with the APS 2021 April meeting. Krishna Kumar will become Past-Chair, Sherry Yennello will become Chair, Vicki Greene will become Chair-Elect, and Evie Downie, Jeff Nico, and Jacki Noronha-Hostler will remain members of the Executive Committee. A Vice-Chair, Secretary-Treasurer, and three members of the Executive Committee are to be elected.

The nominating ballot will be on-line only. (No paper nominating ballot will be sent to the membership.) The nominating ballot will be available from 1 June until 1 July (see the DNP home page for a link). The DNP Bylaws require that a nominee proposed for a given office by not fewer than 2% of the members (about 50 for this election) shall be deemed nominated for that position. Nominees proposed by at least 20 members will be given strong consideration by the Nominating Committee.

If you are a DNP member, please exercise your right to nominate candidates for the upcoming DNP elections. In 2019 there were about 150 nomination forms received. In January 2020 only 29% of the 2600+ DNP members voted. **It is important to vote!**

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- **Call for Officer/Exec. Comm. Nominations**
- **Future Meetings**
- **DNP 2020 (New Orleans or virtual?)**



CALL FOR PRIZE/AWARD NOMINATIONS

4. NOMINATIONS FOR THE 2021 HERMAN FESHBACH PRIZE IN NUCLEAR PHYSICS

This prize was established in 2013 by friends, students, and associates of Herman Feshbach. Previous prize winners are: J. W. Negele, L. McLerran, X. Ji, J. A. Carlson, E. Shuryak, B. R. Holstein and U. van Kolck.

The purpose of the prize, which currently consists of \$10,000 and a certificate citing the recipients contributions, is *“To recognize and encourage outstanding research in theoretical nuclear physics”*.

Nominations are open to physicists whose work in nuclear physics is primarily theoretical. There are no time limitations on when the work described in the citation was performed. The prize shall be awarded to one person, or it may be shared by up to and including three persons when all the recipients have contributed equally to the same accomplishment.

Nominations remain active for three years. It is extremely helpful for the committee to receive additional letters of support that detail the contributions of the nominee and the impact these contributions have had on the field. It is also appropriate to submit material such as significant articles that might help in evaluating the nominee’s contribution. While general statements concerning the value of the nominee’s work are useful, specific information helps the committee to determine what the nominee has contributed and how these contributions have impacted the field. See the APS web site.

Submit name of the proposed candidate and supporting material before **15 June 2020** to the APS via web submission.

5. NOMINATIONS FOR THE 2022 TOM W. BONNER PRIZE IN NUCLEAR PHYSICS

This annual prize was established in 1964 as a memorial to Tom W. Bonner by his friends, students, and associates. Previous winners (since 2002) are: J. D. Bowman, A. B. McDonald, G. F. Bertsch, R. J. Holt, J. C. Hardy and I. S. Towner, S. J. Freedman, A. M. Pozkanzer, R. D. McKeown, S. C. Pieper and R. B. Wiringa, R. F. Casten, W. Nazarewicz, M. K. Moe, W. A. Zajc, M. Gyulassy and H. Weiman, I-Y. Lee, C. F. Perdrisat, B. M. Sherrill, B. V. Jacak and R. G. Milner.

The purpose of this prize, which currently consists of \$10,000 and a certificate citing the recipient’s contributions, is *“To recognize and encourage outstanding experimental research in nuclear physics, including the development of a method, technique, or device that significantly contributes in a general way to nuclear physics research.”*

Nominations are open to physicists whose work in nuclear physics is primarily experimental. There are no time limitations on when the work was performed. The prize shall ordinarily be awarded to one person, but a prize may be shared among recipients when all the recipients have contributed to the same accomplishment(s).

Nominations remain active for three years. It is extremely helpful for the committee to receive additional letters of support that detail the contributions of the nominee and the impact these contributions have had on the field. It is also appropriate to submit material such as significant articles that might help us evaluate the nominee’s contributions. While general statements concerning the value of the nominee’s work are important, specific information that allows the committee to determine what the nominee has contributed and how

these contributions have impacted the field are crucial. See the APS web site.

Submit name of proposed candidate and supporting material before **1 June 2021** to the APS via web submission.

6. NOMINATIONS FOR THE 2022 HANS A. BETHE PRIZE IN NUCLEAR PHYSICS AND ASTROPHYSICS

This annual prize was established in 1996 by friends, students, and associates of Hans A. Bethe and announced at Bethe’s 90th birthday celebration at Cornell. Previous prize winners are: J. Bahcall, E. E. Salpeter, I. Talmi, G. E. Brown, M. C. T. Wiescher, W. C. Haxton, S. E. Woosley, A. G. W. Cameron, J. R. Wilson, F. K. Thielemann, D. Arnett, C. Rolfs, C. J. Pethick, M. Peimbert and S. Torres-Peimbert, G. M. Fuller, K. L. Kratz, J. Lattimer, V. Kalogera, S. L. Shapiro, K. A. Olive, K. Nomoto and F. Harrison.

The purpose of the prize, which currently consists of \$10,000 and a certificate citing the recipient’s contributions, is *“To recognize outstanding work in theory, experiment, or observation in the areas of astrophysics, nuclear physics, nuclear astrophysics or closely related fields.”*

The award is to be made to one individual for outstanding accomplishments in these areas. No time limits are set on when the work was done.

Nominations remain active for three years. It is extremely helpful for the committee to receive additional letters of support that detail the contributions of the nominee and the impact these contributions have had on the field. It is also appropriate to submit material such as significant articles that might help the committee evaluate the nominee’s contributions. While general statements concerning the value of the nominee’s work are important, specific information defining what the nominee has contributed and how these contributions have impacted the field is needed. See the APS web site.

Submit name of proposed candidate and supporting material before **1 June 2021** to the APS via web submission.

8. NOMINATIONS FOR THE 2022 DISSERTATION AWARD IN NUCLEAR PHYSICS

The annual award, which recognizes a recent Ph.D. in nuclear physics, was established in 1985 by members and friends of the Division of Nuclear Physics of the APS. Previous winners are: B. M. Sherrill and W. J. Burger, T. E. Cowan, M. J. Musolf, J. E. Koster, Z. Zhao, G. Schmid, Y. G. Kolomensky, E. Hawker, J. R. Arrington, D. Bardayan, J-W. Chen, K. Heeger, A. Steiner, A. Kurylov, L-B. Wang, K. Miknaitis and M. Djordjevic, N. Tolich and D. Choudhury, S. Clayton and Th. Banks, C. R. Hoffman, and H. Song and M. Luzum, E. Mereghetti and P. Barbeau, G. Shen, K. Myers, M. P. Menenhall, C. Shen, J. L. Ouellet, K. W. Brown and M. E. Caplan, G. Rich, I. Upsal and S. Li.

Nature: The award consists of \$2500 and an allowance for travel to the annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society at which the award will be presented.

Rules and Eligibility: Nominations are open to any person who has received a Ph.D. degree in experimental or theoretical nuclear physics from a North American university within the two-year period preceding 1 June 2021. See the APS web site for more details.

Submit before **1 June 2021** the nomination of the proposed candidate, a statement of his/her contribution to the research as well as that of others and a letter of support from physicists who are familiar with the candidate and the research. To expedite the process, an electronic copy of the thesis should be made available for the five committee members. These materials are required for each nominee and should be submitted using the online form at the APS website.

9. FUTURE DNP FALL MEETINGS

The dates include the premeeting workshops, which are normally held in conjunction with the DNP Fall Meetings. Holding workshops at the DNP Fall Meetings is a tradition that 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 of specialty of the local community. **See also section 2 above.**

2020	Oct. 29 – Nov. 1	New Orleans, LA
2021	October 11-14	Boston, MA

9. FUTURE APS SPRING MEETING INFORMATION

2021	17-20 April	Sacramento, CA
2022	23-26 April	Washington, DC

Any comments/suggestions should be sent to APS Director of Meetings, Terri Olsen (olsen@aps.org).

10. DNP 2020 FALL MEETING

The Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society is scheduled to be held in New Orleans, LA, on October 29 – November 1. As noted in section 2, the meeting may be moved to an online format, pending negotiations with the hotel. Whether in-person or virtual, the meeting is planned to run from **Thursday through Sunday**. Topical workshops are planned for Thursday morning, followed by the opening plenary session on Thursday afternoon, starting at 3:00 p.m. Parallel scientific sessions — invited speaker sessions, mini-symposia, and contributed sessions — will be held Friday and Saturday, both morning and afternoon, as well as on Sunday morning. The CEU poster session will be scheduled in the early afternoon time slot on Friday. The Business/Town Meeting will be held, at a date and time to be announced, as will the banquet.

If in-person, the meeting will be held at the **Hyatt Regency New Orleans** hotel. All functions will be in this hotel, located at 601 Loyola Ave, New Orleans, LA, 70113. The Hyatt Regency is located just across the street from the Superdome, in the Central Business District of New Orleans. The Hyatt Regency is also 5-10 minute ride by trolley (called streetcars by locals) to the French Quarter, where Bourbon Street and famous jazz clubs are to be found. There are many wonderful off-site shops and restaurants within walking distance. The Local Organizing Committee is chaired by Jeff Blackmon (LSU), working with: Catherine Deibel (LSU), Jerry Draayer (LSU), Lev Kaplan (Tulane), Kristina Launey (LSU), Scott Marley (LSU), George Rosensteel (Tulane), and Fred Wietfeldt (Tulane).

The Local Organizing Committee (LOC) has arranged three workshops for Thursday morning, intended as didactic introductions to the given topics. The workshops are entitled: (1) “FRIB Day 1 Science”, organized by C. Deibel, (2) “Frontiers in Neutron Physics”, organized

by F. Wietfeldt, and (3) “Computational Advances in Nuclear Science”, organized by K. Launey. In addition, the LOC has arranged for a banquet talk by **Dr. Michael White**, a professor in the Music Department at Xavier, and a jazz historian. (See also section 2 above.)

The Program Committee, under the leadership of Sherry Yennello, has organized 6 invited sessions which will begin at 8:30 am on Friday morning and run through Sunday at 1:00 pm. The Plenary session starts at 3:00 pm Thursday with talks on topics that span the field: (1) New Results from PREX-II (Lead Radius Experiment), (2) Fundamental Symmetries Theory: Recent Results, (3) Nuclear Structure and Nuclear Astrophysics Theory, and (4) Fostering Diversity and Equality in Science. There will also be a dedication to the 50th anniversary of Physical Review C at the plenary session. The Program Committee has organized a number of high-interest invited sessions:

- New insights in the spin structure of the nucleon
- Theory-experiment co-developments in Quantum Information
- Nuclei near neutron star surfaces
- Thermalization from small to large systems
- Electroweak and BSM physics with electron scattering
- Compact accelerator systems for nuclear physics

The invited session of the Local Organizing Committee is entitled “Neutrons: from particles to stars”. An award session will include talks by the DNP Dissertation Award and Mentoring Award winners.

There are 20 minisymposia planned for the Fall DNP meeting:

- New Insights into Fission
- Short Range Correlations in Nuclei
- Gamma-Particle Coincidence Studies with Radioactive Ion Beams
- Precision Beta Decay
- Hypernuclear Spectroscopy
- Hadronic Weak Interactions
- Nuclear Physics in Africa
- The next generation nuclear workforce
- Invariant mass spectroscopy for the study of rare isotopes
- U.S.-based Electron-Ion Collider: Physics and Detectors
- Nuclear Physics from Effective Field Theory and Lattice Field Theory
- (α,n) Reactions for Astrophysics and Applications
- Charting the Spectrum of Excited Nucleons at Jefferson Lab
- Beta decay: Nuclear Astrophysics, Structure and Applications
- Nucleon Structure in the Valence Regime
- Neutrino Physics
- Isotope Production at Nuclear Physics Facilities
- Probing nucleons and nuclei in ultra-peripheral collisions and with vector-mesons
- Novel detector Technologies, from detectors to data analysis
- NSBP (National Society of Black Physicists) / NSHP (National Society of Hispanic Physicists): nuclear sciences

If you want to submit a contributed talk that fits into one of these categories, be sure to find the proper sorting category when submitting your abstract from the APS website. Of course, the usual general nuclear physics sorting categories from the past will also be available for all contributed talks.

11. DNP 2020 REGISTRATION AND HOTEL RESERVATIONS

Complete Conference Coordinators, Inc. (CCC) will handle the meeting registration (and possibly also the hotel reservations) through a web site that is linked to the Meeting website. A special room rate for the meeting has been negotiated with the Hyatt Regency hotel, which is planned as the meeting hotel for all sessions and special events. To obtain the conference rate, rooms must be reserved through the CCC website. The contact information for CCC is

Complete Conference Coordinators, Inc.
Email: info@cccmeetings.com
Tel: +1-630-416-3030
URL: <http://www.cccmeetings.com>

A registration fee, which includes the workshop and plenary session, and all other aspects needed for a successful meeting, will be listed at the online registration website. See section 2 above for more details.

12. A MESSAGE FROM THE EIC PROJECT TEAM

Brookhaven National Laboratory (BNL), in association with Thomas Jefferson National Accelerator Facility (TJNAF), would like to invite interested groups to submit an Expression of Interest (EOI) for their potential cooperation on the experimental equipment in support of a broad and successful science program at the Electron-Ion Collider.

We encourage interested groups to work together within their country, their geographical region, or as a general consortium, to submit such EOIs. This call focuses on all detector components to facilitate the diverse EIC science program, including those integrated in the interaction region.

Please visit <https://www.bnl.gov/eic/EOI.php> to see further details about this call and how to submit an Expression of Interest.

For more information contact:
Elke Aschenauer (elke@bnl.gov)
Rolf Ent (ent@jlab.org)

13. FUTURE MEETINGS

Organizers of future conferences should contact the DNP Secretary-Treasurer if they wish their conferences listed in DNP newsletters.

“12th International Workshop on the Physics of Excited Nucleons”

10-14 June 2019, Bonn University, Bonn, Germany

Contacts: Reinhard Beck and Ulrike Thoma

URL: <https://indico.cern.ch/event/739938/>

Email: nstar2019info@lists.hiskp.uni-bonn.de

“2020 Gordon Research Conference: Photonuclear Reactions”

9-14 August 2020, Holderness, NH

Contacts: Huey-Wen Lin and Douglas Higinbotham

URL: <https://www.grc.org/photonuclear-reactions-conference/2020/>

Email: hwlin@pa.msu.edu

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