

TO: Members of the *Division of Nuclear Physics, APS*
FROM: Benjamin F. Gibson, LANL – Secretary-Treasurer, DNP

ACCOMPANYING THIS NEWSLETTER:

- DNP Nomination Ballot
- DNP Fall Meeting Poster
- List of Feshbach Prize Donors



Richard G. Milner, Massachusetts Inst. of Tech. (2014)
Jerry A. Nolen, Jr., ANL (2014)
Rebecca Surman, Univ. of Notre Dame (2014)
Remco Zegers, Michigan State Univ. (2013)

Other DNP committees will appear in the August Newsletter.

Future Deadlines

- **1 July 2013** — DNP Fall Meeting Abstract Submission
- **1 July 2013** — Election Nominations
- **1 July 2013** — Nomination for Bethe Prize
- **1 July 2013** — Nomination for Bonner Prize
- **1 July 2013** — Nomination for Feshbach Prize
- **1 July 2013** — Nomination for Dissertation Award

The home page for the Division of Nuclear Physics is now available at "<http://dnp.aps.org>." Information of interest to DNP members -- current research topics, deadlines for meetings, prize nominations, forms, and useful links are provided. Each DNP Newsletter is posted. Comments and suggestions are solicited. Please send them to Michael Thoennessen at <dnpweb@nscl.msu.edu>

1. DNP COMMITTEES

Executive Committee

Berndt Mueller, Duke Univ., Chair (2013)
Ani Aprahamian, Univ. of Notre Dame, Chair-Elect (2013)
John F. Wilkerson, Univ. of North Carolina, Vice-Chair (2013)
Robert D. McKeown, JLab., Past-Chair (2013)
Benjamin F. Gibson, LANL, Sec-Treas. (2013)
Wick C. Haxton, Univ. of Calif., Div. Coun. (Dec. 2013)
George M. Fuller, Univ. of Calif. San Diego (2014)
Haiyan Gao, Duke Univ. (2014)
I-Yang Lee, LBNL (2013)
Sanjay Reddy, Univ. of Washington (2013)
Michael Thoennessen, Michigan State Univ. (2014)
Sherry J. Yennello, Texas A&M (2013)

Program Committee

Ani Aprahamian, Chair (2013)
John F. Wilkerson, Vice Chair (2013)
Robert D. McKeown, Past Chair (2011)
Berndt Mueller, Past Chair (2012)
B. F. Gibson, Sec.-Treas. (2013)
Robert Atcher, LANL (2014)
Helen Caines, Yale Univ. (2014)
Jolie A. Cizewski, Rutgers Univ., (2014)
Volker Crede, Florida State Univ. (2013)
Barry S. Davids, TRIUMF (2013)
Steven R. Elliott, LANL (2014)
Latifa Elouadrhiri, Jefferson Lab. (2013)
Charlotte Elster, Ohio Univ. (2013)
Paul Fallon, LBNL (2013)
Agnes Mocsy, Pratt Inst. (2013)

2. 2013 NOMINATIONS FOR OFFICERS AND EXECUTIVE COMMITTEE

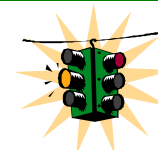
Terms of the officers and three members of the present Executive Committee will expire at the close of the regular meeting of the Division to be held in conjunction with the APS 2014 April meeting in Savannah, GA. Ani Aprahamian will become Chair, John F. Wilkerson will become Chair-Elect, and George Fuller, Haiyan Gao, and Michael Thoennessen will remain members of the Executive Committee as will Berndt Mueller as Past Chair. A Vice-Chair, Secretary-Treasurer, and three members of the Executive Committee, plus a Division Councilor are to be elected.

The enclosed nominating ballot must be signed and may be returned in the enclosed envelope with your name and address printed or signed legibly in the upper left hand corner of the envelope. The nominating ballot can be downloaded. It should be received by *Benjamin F. Gibson* on or before **1 July 2013** in order to be compiled. The DNP bylaws require that a nominee proposed for a given post by not fewer than one-fiftieth of the members (53 for this election) shall be deemed nominated for that post.

If you are a DNP member, please exercise your right to nominate candidates for the upcoming DNP elections. In 2011 there were only 42 nomination forms received by the Secretary-Treasurer. More members do vote in the DNP elections, but in January 2012 only some 755 of 2600+ members voted. **It is important to vote!**

INSIDE . . .

- Call for Prize/Award Nominations
- Future Meetings
- DNP 2013 (Newport News)



CALL FOR PRIZE/AWARD NOMINATIONS

3. NOMINATIONS FOR THE 2014 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 are: H. H. Barschall, R. J. Van de Graaff, C. C. Lauritsen, R. G. Herb, G. Breit, W. A. Fowler, M. Goldhaber, J. D. Anderson and D. Robson, H. Feshbach, D. H. Wilkinson, C. S. Wu, J. P. Schiffer, S. T. Butler and G. R. Satchler, S. Polikanov and V. M. Strutinsky, Roy Middelton and W.

Haerberli, R. M. Diamond and F. S. Stephens, B. L. Cohen, G. E. Brown, G. Baym, C. D. Goodman, H. A. Engle, E. G. Adelberger, L. M. Bollinger, B. Frois and I. Sick, R. H. Davis, E. M. Henley, V. W. Hughes, P. Twin, H. G. Blosser and R. E. Pollock, A. Arima and F. Iachello, E. K. Warburton, F. Boehm, J. D. Walecka, R. G. H. Robertson, J. M. Moss, V. R. Pandharipande, R. Arnold, R. Geller and C. Lyneis, 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, and M. K. Moe.

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, but a particularly outstanding piece of theoretical work may take precedence over experimental work. 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 contribution. While general statements concerning the value of the nominee's work are important, we must have specific information that allows us to determine what the nominee has contributed and how this contribution has impacted the field. See the APS web site.

Submit name of proposed candidate and supporting material before **1 July 2013** to the APS via web submission.

4. NOMINATIONS FOR THE 2014 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, and George M. Fuller.

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 contribution. While general statements concerning the value of the nominee's work are important, specific information defining what the nominee has contributed and how this contribution has impacted the field is needed. See the APS web site.

Submit name of proposed candidate and supporting material before **1 July 2013** to the APS via web submission.

5. NOMINATIONS FOR THE 2014 HERMAN FESHBACH PRIZE IN NUCLEAR PHYSICS

This prize was established in 2013 by friends, students, and associates of Herman Feshbach. 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 important, we must have specific information that allows us to determine what the nominee has contributed and how this contribution has impacted the field. See the APS web site.

Submit name of the proposed candidate and supporting material before **1 July 2013** to the APS via web submission.

6. NOMINATIONS FOR THE 2014 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. Sherrill and W. J. Burger, Thomas E. Cowan, Michael J. Musolf, James Edward Koster, Zhiping Zhao, Greg Schmid, Yury G. Kolomensky, Eric Hawker, John Arrington, Daniel Bardayan, Juinn-Wei Chen, Karsten Heeger, Andrew Steiner, Andriy Kurylov, Li-Bang Wang, Kathryn Miknaitis and Magdalena Djordjevic, Nikolai Tolich and Deepshikha Choudhury, Steven Clayton and Thomas Banks, Calem R. Hoffman, and Huicho Song and Matthew Luzum, Emanuelle Mereghetti and Phillip Barbeau, and Gang Shen.

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 July 2013. See the APS web site.

Submit before **1 July 2013** 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, copies of the thesis should be made available for the five committee members. These materials are required for each nominee and should be sent to: Berndt Mueller, Duke Univ. Dept. of Physics, P.O. Box 90305, Durham, NC 27708-2570.

7. 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 Committees 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.

2014	October 14-18	Waikaloa, HI
2015	October 28-31	Santa Fe, NM

8. FUTURE APS SPRING MEETING INFORMATION

2014	Apr 5-8	Savannah, GA
2015	Apr 11-14	Baltimore, MD

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

9. 2013 DNP FALL MEETING IN NEWPORT NEWS, VA 23-26 OCTOBER, L. Elouadrhiri

The 2013 Fall Meeting of the Division of Nuclear Physics of the American Physical Society will be held 23-26 October 2013 at the Marriott Hotel and Conference Center, City Center in Newport News, Virginia. Topical workshops will be held on Wednesday morning before the plenary session. The meeting will open with a plenary session on Wednesday afternoon, and conclude Saturday afternoon. Information and registration will be available on the conference web site, www.jlab.org/conferences/dnp2013/. The web site can also be reached via the DNP meetings page, <http://www.aps.org/units/dnp/meetings/>.

Hotel

All conference meetings and sessions will be held at the hotel. A block of rooms has been reserved for meeting participants. Information and registration will be available on the conference web site which will be linked to the DNP meetings page <http://www.aps.org/units/dnp/meetings/>.

Newport News

First referred to as ‘Newport News’ as early as 1621, this tidal area near the mouth of the James River is purported to be the longest continuously named place in the US. Today, Newport News is Virginia’s fifth largest city and home to the Thomas Jefferson National Accelerator Facility (Jefferson Lab). The modern city was founded by Collis Huntington, a builder of the nation’s first transcontinental railroad. He also launched the Newport News Shipyard and Dry Dock Company, today the nation’s sole designer, builder and refueler of

nuclear-powered aircraft carriers and one of only two companies capable of designing and building nuclear-powered submarines.

Called by some “the new downtown,” City Center at Oyster Point exemplifies New Urbanism at its best, with an eclectic, high-density mix of office, residential and retail areas. Unique shops and distinctive restaurants are within easy open-air walking distance – and all just a mile from Jefferson Lab.

In addition, Newport News is 20 minutes by car from the historic triangle of Yorktown, Jamestown and Williamsburg.

Transportation & Weather

Newport News is served by the Newport News-Williamsburg International Airport (about 10 minutes from the hotel), the larger Norfolk International Airport (30 minutes away) and the Richmond International Airport (60 minutes away). Information concerning ground transportation will be located on the conference web site. October is Virginia’s driest month, so you can expect clear blue skies and bright fall colors.

Abstracts

Abstracts for the meeting must be submitted electronically through the APS. The deadline will be 1 July 2013. A link for abstract submission can be found on the conference web site or on the APS meetings webpage under the Abstract Submission link. The meeting ID is DNP13. The lead author on an abstract is considered the presenter. APS rules limit the same lead author to one abstract.

Meeting Preview

The meeting format will follow that initiated with the 2008 Oakland Meeting and continued in 2010 (Santa Fe), in 2011 (East Lansing) and 2012 (Newport Beach). Wednesday morning will be devoted to three parallel workshops:

- A) Nuclear physics at the energy-luminosity frontier From 12GeV to EIC (organized by L. Elouadrhiri and C. Weiss)
- B) Fundamental Symmetries: Expanding the Standard Model (organized by D. Armstrong, M. E. Christy)
- C) The Physics of Nuclei (organized by D. Higinbotham and W. Van Orden)

The afternoon Plenary Session is being organized by incoming DNP Chair Berndt Mueller. A reception will be held that evening. Parallel two-hour scientific sessions will follow on Thursday, Friday, and Saturday morning, comprised of an invited speaker session, possible minisymposia, and multiple contributed paper sessions. On Thursday afternoon the CEU poster session will take place along with a Physical Review Meet-the-Editors reception. On Friday afternoon, the final time slot will be devoted to the DNP Business and Town Meetings. That will be followed by a cash bar reception and a banquet. On Thursday evening there will be opportunities for User Group meetings and later that evening there will possibly be a general interest lecture. DNP 2013 will close at 12:30 on Saturday, following the second of the two scientific sessions that morning.

Local Organizing Committee

Latifa Elouadrhiri (Chair), (Jefferson Lab.)
 David Armstrong (College of William & Mary)
 Eric Christy (Hampton Univ.)
 Douglas Higinbotham (Jefferson Lab.)
 J. Wallace Van Orden (Jefferson Lab., Old Dominion Univ.)
 Christian Weiss (Jefferson Lab.)

Important Deadlines:

Abstract Submission: July 1, 2013
 Early Registration: September 19, 2013

Hotel Reservation: September 19, 2013
 Regular Registration: October 15, 2013

Registration

Registration will be handled via the web by Complete Conference Coordinators, Inc. Registration will open in early May. A link will appear on the conference web site, and an e-mail announcement will be distributed.

The registration fee includes the plenary coffee break and reception. In addition, coffee will be provided free of charge, each day before the first session. A banquet will be held on Friday evening at an additional cost. The workshop fee includes a coffee break on Wednesday. Registration costs are indicated in the following table.

Registration Categories & Deadlines	Members	Non members	Students/ Unemployed	Workshop	Companions Registration
Early Registration (by Sept. 19 th)	\$250	\$500	\$100	\$50	\$50
Regular Reg.(Sept. 19 th – Oct. 15 st)	\$300	\$600	\$125	\$50	\$60
On-site Reg.	\$350	\$700	\$150	\$75	\$75
Banquet Tickets (Advanced/On-Site)	\$60/\$75	\$60/\$75	\$60/\$75	N/A	\$60/\$75

10. FUNDING THE FESHBACH PRIZE, G. A. Miller

The response to our call for donations to endow the Herman Feshbach Prize in Nuclear Physics has been outstanding. As of the beginning of April the APS had received slightly more than \$180,000 in donations and pledges toward the endowment. Endowment for an annual APS prize requires \$200,000, in the situation that the DNP pays the travel expenses of the winner, as is done for the Bonner Prize. Therefore, we are 90% of the way toward fully endowing the Feshbach Prize.

A list of donors is included with this newsletter. Please help us complete the funding by making a contribution. Go online at <http://www.aps.org/>. Look for the support banner and click APS member (membership number needed) and look down the list of causes. Alternatively, send a check, made out to “The American Physical Society”, with a notation indicating that the purpose is the Feshbach Prize Fund, to: Darlene Logan, Director of Development, American Physical Society, One Physics Ellipse, College Park, MD 20740-3844.

11. FUTURE MEETINGS

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

“11th International Conference on Low Energy Antiproton Physics” (LEAP2013)

10-15 June 2013
 Uppsala, Sweden
 Contacts: Tord Johansson & Piotr Froelich
 URL: <http://www.physics.uu.se/leap2013/>

“21st International Conference on Ion Beam Analysis” (BA2013)

23-28 June 2013
 Seattle, WA, USA
 URL: <http://www.emsl.pnnl.gov/root/meetings/iba/>

“Sixth Meeting on CPT and Lorentz Symmetry” (CPT'13)

17-21 June 2013

Bloomington, Indiana (Indiana University)
 Contact: Alan Kostelecky
 URL: <http://www.indiana.edu/~lorentz/cpt13>

“2013 International Conference on Applications of Nuclear Techniques” (CRETE13)

23-29 June 2013
 Crete, Greece
 George Vourvopoulos, Robaert Hamm & Marianne Hamm
 URL: <http://www.crete13.org/>

“11th international Topical Meeting on Nuclear Applications and Accelerators” (AccApp'13)

5-8 August 2013
 Bruges, Belgium
 Contact: Els Vertriest
 Email: els@medicongress.com
 URL: <http://www.accapp13.org/>

“4th International Conference on Nuclear Fragmentation” (NUFRA2013)

29 September - 6 October 2013
 Memer, Antalya, Turkey
 Contacts: A Botvina & J. Pochodzalla
 Email: nufra2013@fias.uni-frankfurt.de

“22nd European Conference on Few-Body Problems in Physics” (EFB22)

9-13 September 2013
 Cracow, Poland
 Contacts: St. Kistryn & J. Golack
 Email: efb22@uj.edu.pl
 Fax: ++48-12-6342038
 URL: <http://efb22.if.uj.edu.pl>

“21st International Symposium on Spin Physics” (SPIN 2014)

20-24 October 2014
 Beijing, China (Peking University)
 Contacts: Bo-Qiang Ma & Hiayan Gao

BERNDT MUELLER
 Chair

Duke University
 Department of Physics
 P.O. Box 90305
 Durham, NC 27708-0305
 Phone: (919) 660-2570
 Fax: (919) 660-2525
mueller@phy.duke.edu

ANI APRAHAMIAN
 Chair-Elect

University of Notre Dame
 Department of Physics
 225 Nieuwland Science
 Notre Dame, IN 46556
 Phone: (574) 631-8120
 Fax: (574) 631-5952
aapraham@nd.edu

JOHN F. WILKERSON
 Vice-Chair

Univ. of North Carolina
 Department of Physics
 Phillips Hall, CB #3255
 Chapel Hill, NC 27599-3255
 Phone: (919) 962-1384
 Fax: (919) 962-0480
jfw@unc.edu

BENJAMIN F. GIBSON
 Secretary-Treasurer

Los Alamos National Lab.
 DNP, MS B283
 Los Alamos, NM 87545
 Phone: (505) 667-5059
 Fax: (505) 667-1931
dnp@lanl.gov