

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

ACCOMPANYING THIS NEWSLETTER:

- DNP Nomination Ballot
- CEU14 Roster & Treasurer's Report



Anne Sickles, BNL (2015)
Artemis Spyrou, Michigan State Univ. (2015)
Scott Wilburn, LANL (2015)
Xiaochao Zheng, Univ. of Virginia (2016)

Future Deadlines

- **1 July 2015** — DNP Fall Meeting Abstract Submission
- **1 July 2015** — Election Nominations
- **1 July 2015** — Nomination for Bethe Prize
- **1 July 2015** — Nomination for Bonner Prize
- **1 July 2015** — Nomination for Feshbach Prize
- **1 July 2015** — 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, in advance of the copy sent via post. Comments and suggestions are solicited. Please send them to Ron Gilman <rgilman@physics.rutgers.edu>

1. DNP COMMITTEES

Executive Committee

John F. Wilkerson, Univ. of North Carolina, Chair (2015)
Gordon Cates, Univ. of Virginia, Chair-Elect (2015)
Michael Thoennessen, Michigan State Univ., Vice-Chair (2015)
Ani Aprahamian, Univ. of Notre Dame, Past Chair (2015)
Benjamin F. Gibson, LANL, Sec.-Trea. (2015)
Wick C. Haxton, Univ. of Calif., Div. Coun. (Dec. 2018)
Mary Alberg, Seattle Univ. (2016)
Rolf Ent, JLab. (2016)
Ronald Gilman, Rutgers Univ. (2015)
Filomena Nunes, Michigan State Univ. (2015)
Martin Savage, Univ. of Washington (2015)
Roxanne Springer, Duke Univ. (2016)

Program Committee

Gordon D. Cates, Chair (2015)
Michael Thoennessen, Vice Chair (2015)
Ani Aprahamian, Past Chair (2013)
John F. Wilkerson, Past Chair (2014)
Benjamin F. Gibson, Sec.-Treas. (2015)
Volker Burkert, Jefferson Lab. (2015)
Jens Dilling, TRIUMF (2016)
Renee Fatemi, Univ. of Kentucky (2016)
Reyco Henning, Univ. of North Carolina (2016)
Calem R. Hoffman, Argonne National Lab. (2016)
Dmitri Kharzeev, Stony Brook Univ./BNL, (2016)
Chen-Yu Liu, Indiana Univ. (2016)
Pieter Mumm, Nat. Inst. of Standard & Tech. (2015)
David Radford, ORNL (2015)
Sanjay Reddy, Univ. of Washington (2016)

Other DNP committees will appear in the August Newsletter.

2. 2015 NOMINATIONS FOR OFFICERS AND EXECUTIVE COMMITTEE

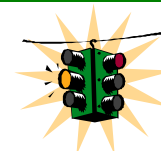
Terms of the officers and three members of the present Executive Committee will expire at the close of the regular meeting of the Division to be held in conjunction with the APS 2016 April meeting in Salt Lake City, UT. Gordon Cates will become Chair, Michael Thoennessen will become Chair-Elect, and Mary Alberg, Rolf Ent, and Roxanne Springer will remain members of the Executive Committee as will John Wilkerson as Past Chair. A Vice-Chair, Secretary-Treasurer, and three members of the Executive Committee 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 2015** 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 2014 there were only 45 nomination forms received by the Secretary-Treasurer. More members do vote in the DNP elections, but in January 2014 only some 799 of 2600+ members voted. **It is important to vote!**

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- **Call for Prize/Award Nominations**
- **Future Meetings**
- **DNP 2015 (Santa Fe, NM)**



CALL FOR PRIZE/AWARD NOMINATIONS

3. NOMINATIONS FOR THE 2015 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. Enge, 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, M. K. Moe, W. A. Zajc, and M. Gyulassy and H. Weiman.

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 2015** to the APS via web submission.

4. NOMINATIONS FOR THE 2015 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, and James Lattimer.

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 2015** to the APS via web submission.

5. NOMINATIONS FOR THE 2015 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 and Larry McLerran.

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 2015** to the APS via web submission.

6. NOMINATIONS FOR THE 2015 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, Gang Shen, Katherine Myers, and Michael P. Mendenhall.

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 2015. See the APS web site before the BAPS goes to print.

Submit before **1 July 2015** 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: John Wilkerson, Univ. of North Carolina, Dept. of Physics, Phillips Hall, CB #3255, Chapel Hill, NC 27599-3255.

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.

2016	October 12-15	Vancouver, BC
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8. FUTURE APS SPRING MEETING INFORMATION

2016	Apr 16-19	Salt Lake City, UT
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Any comments/suggestions should be sent to APS Director of Meetings, Terri Gaier (gaier@aps.org).

9. DNP FALL MEETING IN SANTA FE, NEWMEXICO 28-31 OCTOBER 2015, W.S. Wilburn

The Annual Fall Meeting of the Division of Nuclear Physics of the American Physical Society will be held in Santa Fe, 28-31 October 2015. Three associated topical workshops will be held on Wednesday morning, 28 October. The general plenary session will take place on Wednesday afternoon, starting at 3:00 p.m. A reception will be held immediately following the plenary session. The parallel scientific sessions -- invited session, mini-symposia, and contributed paper sessions -- will be held Thursday and Friday morning and afternoon as well as Saturday morning. The format will follow that of the Oakland meeting, with two sessions in the morning, a long lunch break, and two sessions in the afternoon. The CEU poster session and Physical Review drop-in will be scheduled on Thursday afternoon. The Business/Town Meeting will be Friday afternoon, prior to a reception and the banquet. Check the meeting web site <http://www.lanl.gov/dnp2015/> for updated information.

Santa Fe is the oldest capital city in the United States, more than 400 years old. It is unique in blending Native American, Hispanic, and Anglo culture. The center of the city is the Plaza, a tree lined park surrounded by businesses and historic churches, much like in traditional European and Latin American cities. The conference will take place at the Conference Center located just northeast of the plaza. The Hilton, the main conference hotel is located just west of the Plaza. At an elevation of 7,000 feet, Santa Fe is located in the high desert of the mountains of northern New Mexico. The Sangre de Cristo mountains, the southern end to the Rocky Mountain range that extends north into Canada, rise just to the north of the city. Santa Fe is surrounded by more than a million acres of National Forest land, which makes it a perfect

jumping off point for day hikes, fly-fishing trips, downhill and Nordic skiing, white water rafting, back packing, and mountain biking -- depending upon the season. There are eight Indian Pueblos in northern New Mexico, many located less than an hour from Santa Fe by automobile. For those interested in testing the laws of probability, several Indian casinos are also in the immediate area. During the late fall season the weather can be variable, with highs typically around 60F and lows in the upper 30s.

Transportation:

Santa Fe is located a scenic one hour drive north of the Albuquerque International Airport. Shuttle service runs from the airport to downtown Santa Fe, trip time 75 minutes, on the Sandia Shuttle Express. For those willing to make a reservation, the Roadrunner Shuttle provides door-to-door service. If one's schedule meshes, one can take the New Mexico rail Runner Express (a train) from Albuquerque to the Santa Fe train depot. The train schedule is on the web. Bus connections from the airport take one to the Sunport stop (free) and to Downtown Albuquerque (\$1.00). One can also fly into Santa Fe on American Airlines or US Airways; with several flights daily from Dallas/Ft. Worth, Denver, and Los Angeles. The dive bombing approach into SAF is interesting.

Meeting Program:

The Fall Meeting session will be held in the Convention Center (201 Marcy Street), two blocks northwest of and convenient to the historic downtown Plaza. The 2015 DNP Program Committee has arranged 5 invited sessions with three speakers in each, created one session from speakers nominated by the DNP membership, created an Awards session, and approved one invited session proposed by the Local Organizing Committee. A welcome reception will be held on Wednesday evening following the plenary session.. The CEU 2015 program will be organized once again by Warren Rogers, with a poster session as the highlight but also with special CEU lectures and a graduate school information session. The deadline for submission of abstracts is the usual 1 July, 5:00 p.m. EDT. Visit the APS web site and check the meetings link; the meeting ID is DNP15.

Local Organizing Committee:

Joseph Carlson	Vincenzo Cirigliano
Steven Clayton	Cesar da Silva
Stefano Gandolfi	Marian Jandel
Christopher Lee	Hye Young Lee
Susan Seestrom	Richard Van de Water
Ivan Vitev	Scott Wilburn, Chair

Workshops:

Three workshops will be held in conjunction with the meeting, on the morning of 28 October (Wednesday). The workshops will begin at 9:00 a.m. and run until 12:30 p.m, with a coffee break in the middle of the six talks. The workshops and organizers are:

- Theory and Computation for Neutrinos and Fundamental Symmetries being arranged by J. Carlson & S. Gandolfi
- Recent Advances in Electromagnetic Decay Properties of Excited Nuclei being arranged by M. Jandel & H.-Y. Lee
- Frontiers of QCD in Jets and Heavy Flavor Physics being arranged by C. Lee, & I. Vitev

User Group Meetings:

It is anticipated that various groups will wish to hold user group meetings during the Fall Meeting. To schedule those, please contact Complete Conference Coordinators, Inc. To have notices included in the BAPS, it is essential to make arrangements by 15 August.

Conference Coordinator

Complete Conference Coordinators, Inc.

Phone: +1-630-416-3030

Fax: +1-630-416-3333

Email: <info@cccmeetings.com>

URL: <http://www.cccmeetings.com>

Hotels:

Rooms have been blocked at a number of Santa Fe hotels located within walking distance of the Convention Center. Because Santa Fe is a popular destination, it is recommended that hotel reservations be made early. **To obtain the conference rates, rooms must be reserved through the CCC, Inc. web site.**

Important Deadlines:

Abstract Submission 1 July 2015

Early Registration 1 September 2015

Hotel Reservation 1 September 2015

Late Registration 20 October 2015

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 announced by e-mail.

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

Registration Categories & Deadlines	Members	Non members	Students/ Unemployed	Companions Registration
Early Registration (by Sept. 2 nd)	\$275	\$600	\$100	\$50
Late Reg. (Sept. 2 nd – Sept. 30 th)	\$350	\$700	\$175	\$60
On-site Reg.	\$400	\$800	\$200	\$75
Banquet Tickets (Advanced/On-Site)	\$60/\$75	\$60/\$75	\$60/\$75	\$60/\$75

A graduate student pizza social will be organized on Thursday evening by the Education Committee and the Local Organizing Committee. Attendance will be limited to ~100 due to the capacity of the restaurant. Tickets will be available at the Registration desk for \$5 until they sell out.

10. HAWAII 2014 PROGRAM INFORMATION

An insert accompanying this newsletter provides a roster of the CEU 2014 students in Hawaii.

11. TREASURER'S REPORT

A brief report on the financial status of the Division accompanies this newsletter as part of the insert.

16. FUTURE CONFERENCES

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

15th International Conference on Strangeness in Quark Matter (SQM2015)

Dubna, Russia, 6-11 July 2015

Contacts: David Blaschke and Alexander Sorin

URL: <http://sqm.jinr.ru/>

25th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions (QM2015)

Kobe, Japan, 27 September - 3 October 2015

Contacts: Hideki Hamagaki (Chair), Yasuyuki Akiba (Co-Chair), Tetsuo Hatsuda (Co-Chair)

URL: <http://qm2015.riken.jp>

5th International Conference on Nuclear Fragmentation (NUFRA2015)

Kemer, Antalya, Turkey, 4-11 October 2015

Contact: nufra2015@fias.uni-frankfurt.de

"12th International Topical Meeting on Nuclear Applications of Accelerators" (AccApp'15)

Washington, DC, 10-13 November 2015

Contact: Phillip Cole <colephil@isu.edu>

URL: http://www.ans.org.meetings/m_145

"International Conference on Nuclear Physics" (INPC2016)

Adelaide, Australia, 11-16 September 2016

Contact: A. W. Thomas

URL: www.physics.adelaide.edu/cssm/workshops/inpc2016

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