

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

**ACCOMPANYING THIS NEWSLETTER:**

- Feshbach Prize Solicitation
- DNP Nomination Ballot
- DNP Fall Meeting Poster



Allena K. Opper, George Washington Univ. (2012)  
Ernst Rehm, ANL (2012)  
Richard Seto, Univ. of Calif. Riverside (2012)  
Remco Zegers, Michigan State Univ. (2013)

Other DNP committees will appear in the August Newsletter.

**Future Deadlines**

- **2 July 2012** — DNP Fall Meeting Abstract Submission
- **2 July 2012** — Election Nominations
- **1 July 2012** — Nomination for Bethe Prize
- **1 July 2012** — Nomination for Bonner Prize
- **1 July 2012** — 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 Michael Thoennessen at [dnpweb@nscl.msu.edu](mailto:dnpweb@nscl.msu.edu)

**1. DNP COMMITTEES**

**Executive Committee**

Robert D. McKeown, JLab, Chair (2012)  
Berndt Mueller, Duke Univ., Chair –Elect. (2012)  
Ani Aprahamian, Univ. of Notre Dame, Vice Chair (2012)  
Robert E. Tribble, TAMU, Past-Chair (2012)  
Benjamin F. Gibson, LANL, Sec.-Trea. (2012)  
Wick C. Haxton, Univ. of Calif., Div. Coun. (Dec. 2013)  
Douglas H. Beck, Univ. of Illinois (2012)  
Richard J. Furnstahl, Ohio State Univ. (2012)  
Susan V. Gardner, Univ. of Kentucky (2012)  
I-Yang Lee, LBNL (2013)  
Sanjay Reddy, Univ. of Washington (2013)  
Sherry J. Yennello, TAMU (2013)

**Program Committee**

Berndt Mueller, Chair (2012)  
Ani Aprahamian, Vice-Chair (2012)  
Robert E. Tribble, Past Chair (2010)  
Robert D. McKeown, Past Chair (2011)  
Benjamin F. Gibson, Sec.-Trea (2012)  
Robert Atcher, LANL (2012)  
Douglas H. Beck, UIUC (2012)  
Volker Crede, Florida State Univ (2013)  
Barry S. Davids, TRIUMF (2013)  
Latifa Elouadrhiri, Jefferson Lab. (2013)  
Charlotte Elster, Ohio Univ. (2013)  
Paul Fallon, LBNL (2013)  
Susan Gardner, Univ. of Kentucky (2012)  
Peter Jacobs, LBNL (2012)  
Wally Melnitchouk, Jefferson Lab. (2012)  
Agnes Mocsy, Pratt Inst. (2013)

**2. NOMINATIONS OF OFFICERS AND EXECUTIVE COMMITTEE FOR 2012**

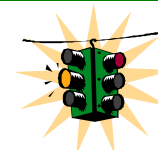
Terms of the officers and three members of the present Executive Committee will expire at the close of the regular meeting of the Division to be held in conjunction with the APS 2013 April meeting in Denver, CO. Berndt Mueller will become Chair, Ani Aprahamian will become Chair-Elect, and I-Yang Lee, Sanjay Reddy, and Sherry Yennello will remain members of the Executive Committee as will Robert D. McKeown as Past Chair. A Vice-Chair, Secretary-Treasurer, and three members of the Executive Committee are to be elected before April 2013.

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 **2 July 2012** 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!**

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- Call for Prize/Award Nominations
- Future Meetings
- DNP 2012 (Newport Beach)



**CALL FOR PRIZE/AWARD NOMINATIONS**

**3. NOMINATIONS FOR THE 2013 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, 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, and W. Nazarewicz.

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.

Send name of proposed candidate and supporting material before **1 July 2012** to the APS via web submission.

**4. NOMINATIONS FOR THE 2013 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, and Manuel Peimbert and Silvia Torres-Peimbert.

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.

Send name of proposed candidate and supporting material before **1 July 2012** to the APS via web submission.

**5. NOMINATIONS FOR THE 2013 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, and Emanuelle Mereghetti and Phillip Barbeau.

**Nature:** The award consists of \$2500 and an allowance for travel to the annual Spring 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 2012. See the APS web site.

Send before **1 July 2012** 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: Robert D. McKeown, Jefferson Lab., 12000 Jefferson Ave., Suite 15, Newport News, VA 23606.

**6. FUTURE DNP FALL MEETINGS**

2013	October 23-26	Newport News, VA
2014	October 14-18	Waikaloa, HI

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.

## 7. FUTURE APS SPRING MEETING INFORMATION

2013	Apr 13-16	Denver, CO
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).

## 8. 2012 DNP FALL MEETING IN NEWPORT BEACH, CA 24-27 OCTOBER, R. SETO

The 2012 Fall Meeting of the Division of Nuclear Physics (DNP) will be held at the Hyatt Regency in Newport Beach, California, from Wednesday, 24 October, through Saturday, 27 October. The meeting will open with a plenary session on Wednesday afternoon, and conclude Saturday afternoon. Several topical workshops will be held on Wednesday morning before the plenary session. Information and registration will be available on the conference web site, <http://physics.ucr.edu/dnp2012/>. The web site can also be reached via the DNP meetings page, <http://www.aps.org/units/dnp/meetings/>.

### Venue and Accommodations

All functions will take place at the Hyatt Regency, which is the headquarters hotel for DNP 2012.

Information about amenities available at the hotel and resort can be found on the hotel web site at URL <http://newportbeach.hyatt.com>. Please note that room reservations for the Hyatt Regency should be made through the conference web site, not the regular hotel reservations web site.

### Registration

Registration will be handled via the web by Complete Conference Coordinators, Inc. Registration will open 1 May. A link will be available on the conference web site, and an e-mail announcement will be distributed.

### Transportation

The area is served by several major airports: John Wayne Airport (free shuttle service to the hotel), LAX, Long Beach Airport, and Ontario Airport (Commercial Shuttle, Taxi). Commercial shuttles cost between \$36(LAX) to \$68(ONT) for the first person and \$9 for additional persons.

### Abstracts

Abstracts for the meeting must be submitted electronically through the APS. The deadline is 2 July 2012. 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 DNP12. The lead author on an abstract is considered the presenter. APS rules limit the same lead author to one abstract.

### Newport Beach

Newport Beach, California, is close to many well-known attractions, among them the Getty Museum (art), Disneyland, Knott's Berry Farm, and Universal Studios. Sea World, Legoland, and the San Diego zoo are within 2 hours driving distance. There are a variety of major concert venues including the Orange County Center for the Performing Arts (a few minutes away), the Disney Concert Hall, home of the Los Angeles Philharmonic, and the Dorothy Chandler Pavilion, home of the

LAOpera. The latter two venues are in Los Angeles, about one hour away. Within walking distance of the hotel are the beaches on Balboa Island and many shops. Shopping is also available at Fashion Island, an outdoor mall is also within walking distance. The weather in October is mild with temperatures from between 60 and 70 degrees. Bring a light jacket as temperatures cool down in the evening.

### Meeting Preview

The meeting format will follow that initiated with the 2008 Oakland Meeting and continued in 2010 (Santa Fe) and in 2011 (East Lansing).

Wednesday morning will be devoted to three parallel workshops,

- A) And Here Be Dragons: Understanding the Nature of Unstable Isotopes (organized by J. Escher and C. Johnson)
- B) Instrumentation Beyond the Standard Model (organized by B. Filippone and A. Poon)
- C) New Results in Spin Physics from Polarized Proton Beams at RHIC/New Results in Heavy Ions (organized by K. Barish, J. Thomas, A. Iordanova and R. Hollis)

The afternoon Plenary Session is being organized by incoming DNP Chair Bob McKeown. 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, 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 which will then be followed by a cash bar reception and a banquet. On Thursday evening there will be opportunities for User Group meetings. Please contact R. Seto (Richard.Seto@ucr.edu) and the conference coordinators at [info@cccmeetings.com](mailto:info@cccmeetings.com) to make arrangements for these meetings. DNP 2012 will close at 12:30 on Saturday, following the second of the two scientific sessions that morning.

### Companion's Program

There will be a companion's program meeting during the first plenary session on Wednesday afternoon. The \$50 fee covers, the companions meeting, the reception, and early morning coffee.

### Local Organizing Committee

Ken Barish (UCR)	Jutta Escher (LLNL)
Brad Filippone (Caltech)	Richard Hollis (UCR)
Aneta Iordanova (UCR)	Calvin Johnson (SDSU)
Alan Poon (LBNL)	Richard Seto, chair (UCR)
Maria Simani (Exec. Dir., Calif. Science Project)	Jim Thomas (LBNL)

### Important Deadlines:

Abstract Submission: July 2, 2012  
Early Registration: September 18, 2012  
Hotel Reservation: September 18, 2012  
Regular Registration: October 18, 2012

### Registration

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. 18 <sup>th</sup> )	\$250	\$500	\$100	\$50	\$50
Regular Reg.(Sept. 19 <sup>th</sup> – Oct. 18 <sup>st</sup> )	\$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

A graduate student pizza function will be held on Thursday evening for which there is a \$5 charge.

## 9. FUTURE MEETINGS

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

### “Annual Jefferson Lab User Group Workshop”

4 – 6 June 2012  
Newport News, VA, USA  
Contact: Sebastian Kuhn  
URL:  
[https://wiki.jlab.org/cugwiki/index.php/Annual\\_User\\_Group\\_Meeting](https://wiki.jlab.org/cugwiki/index.php/Annual_User_Group_Meeting)

### “Exotic Nuclei and Nuclear/Particle Astrophysics (IV) From Nuclei to Stars”

2012 Carpathian Summer School of Physics  
24 June – 7 July 7, 2012  
Sinaia, Romania  
Contact: Livius Trache or Serban Misicu  
Email: livius\_trache@tamu.edu  
misicu@theory.nipne.ro  
URL: <http://cyclotron.tamu.edu/cssp12>

### “Dynamics of Open Nuclear Systems”

National Institute of Physics and Nuclear Engineering, Bucharest  
9 – 20 July 2012  
Predeal, Romania  
Contact Adriana Raduta  
Email: araduta@nipne.ro  
URL: <http://www.theory.nipne.ro/predeal12>

### “2012 TRIUMF summer Institute on Fundamental Symmetries and Fundamental Neutron Physics”

6 – 17 August 2012  
TRIUMF, Vancouver, BC  
Chairs: Tim Chupp and Barney Doyle  
URL: <http://tsi2012.triumf.ca>

### “22nd Int'l Conference on Applications of Accelerators in Research and Industry” (CAARI 2012)

5 – 10 August 2012

Ft. Worth, Texas, USA  
Co-Chairs: Del McDaniel & Barney Doyle  
URL: <http://www.caari.com>

### “Gordon Research Conference on Photonuclear Reactions”

5 – 10 August 2012  
Holderness School, Plymouth, NH, USA  
Contact: Misak Sargsian  
Email: sargsian@fiu.edu  
URL:  
<http://www.grc.org/programs.aspx?year=2012&program=photonuc>

### “Quark Matter 2012” (QM2012)

13 – 18 August 2012  
Washington, DC, USA  
Contact: John W. Harris

### “20th International IUPAP Conference on Few-Body Problems in Physics” (FBXX)

20 – 25 August 2012  
Fukuoka, Japan  
Contact: Kenji Sagara  
Email: fb20@phys.kyushu-u.ac.jp  
URL: <http://www.rcnp.osaka-u.ac.jp/~fbxx/>

### “20th International Symposium on Spin Physics” (SPIN2012)

16 – 23 September 2012  
Dubna, Russia  
Contact: Richard Lednicky  
Email: spin2012@theor.jinr.ru  
URL: <http://spin2012.jinr.ru/>

### “European Nuclear Physics Conference 2012” (EuNPC2012)

17 – 21 September 2012  
Bucharest, Romania  
Chairman: Nicolae-Victor Zamfir;  
Email: eunpc2012@nipne.ro  
URL: <http://www.ifin.ro/eunpc2012/>

### “11th International Conference on Hypernuclear and Strange Particle Physics” (HYP2012)

1 – 5 October 2012  
Barcelona, Spain  
Contact: Angels Ramos  
Email: ramos@ecm.ub.es

#### ROBERT D. MCKEOWN

##### Chair

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#### BENJAMIN F. GIBSON

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