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

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**ACCOMPANYING THIS NEWSLETTER:**

- Poster for DNP 2003
- DNP03 Speaker Nomination form



**Future Deadlines**

- **14 March 2003** — Speaker Nominations for Fall Meeting
- **1 April 2003** — APS Fellowship Nominations
- **1 July 2003** — Nominations for Bonner Prize
- **1 July 2003** — Nominations for Bethe Prize
- **1 July 2003** — Nominations for Dissertation Award

**HOME PAGE for the DNP:** <http://dnp.nsl.msui.edu>

The home page for the Division of Nuclear Physics is now available at "<http://dnp.nsl.msui.edu>." 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 Brad Sherrill at "dnpweb@nsl.msui.edu"

**1. RESULTS OF ELECTION: OFFICERS AND EXECUTIVE COMMITTEE FOR 2003**

By the deadline date of 17 January 2003, 512 properly identified ballots were received for the election of officers and members of the Executive Committee. The results of the election are as follows: Brad Sherrill was elected as Vice-Chair and Benjamin F. Gibson was elected as Secretary-Treasurer for one-year terms. Calvin Howell, Naomi Makins, and Gail McLaughlin were elected to two-year terms on the Executive Committee. The counting of the ballots was done by Tellers Angelica Romero, Mark Paris, and Sanjay Reddy, and supervised by Kay Grady, all of LANL. The members of the 2003 Executive Committee, who assume their duties at the APS April Meeting, are as follows:

**A. Baha Balantekin, U. Wis, Chair (2003)**  
**Donald F. Geesaman, ANL, Chair-Elect (2003)**  
**Bradley M. Sherrill, MSU, Vice Chair (2003)**  
**Charles Glashauser, Rutgers, Past Chair (2003)**  
**Benjamin F. Gibson, LANL, Sec.-Treas. (2003)**  
**Bunny C. Clark, Ohio State Univ.**  
**Divisional Councilor (December 2005)**  
**Alejandro Garcia, Notre Dame (2003)**  
**John C. Hardy, Texas A&M (2003)**

**Calvin R. Howell, Duke Univ. (2004)**  
**Naomi C. R. Makins, U. Illinois (2004)**  
**Gail McLaughlin, N. Carolina St. (2004)**  
**Willem T. H. van Oers, Manitoba (2003)**

**2. CALL FOR DNP COMMITTEE SUGGESTIONS**

The terms of some of the members of the following DNP committees expire in April 2003: Bethe, Bonner, Fellowship, Nominating, Home Page, and Education. Suggestions from the DNP membership for new members of these committees are welcome and should be sent to Baha Balantekin. A list of committee members for 2003/04 will be published in the August newsletter.

**3. NEW DNP FELLOWS**

The following DNP members are newly elected (2002) Fellows of the APS. Please join us in offering congratulations.

*Douglas Beck, Univ. of Illinois at Urbana-Champaign*  
*Gerry M. Bunce, Brookhaven National Lab.*  
*Paul Timothy Debevec, Univ. of Illinois at Urbana-Champaign*  
*Peter John Doe, Univ. of Washington*  
*Carl Albert Gagliardi, Texas A&M Univ.*  
*Gerald M. Hale, Los Alamos National Lab.*  
*P. Gregers Hansen, Michigan State Univ.*  
*Anna C. Hayes, Los Alamos National Lab.*  
*Charles F. Perdrisat, College of William & Mary*  
*Achim Richter, Technische Universitaet Darmstadt, Germany*  
*Martin John Savage, Univ. of Washington*  
*Guy Savard, Argonne National Lab.*  
*Rocco Schiavilla, Thomas Jefferson Lab., Old Dominion Univ.*  
*Xin-Nian Wang, Lawrence Berkeley National Lab.*  
*Anthony G. Williams, Adelaide University, Australia*  
*Shin Nan Yang, National Taiwan University*

**Inside . . .**

- **Spring Meeting Preview**
- **Call for Prize/Fellow Nominations**
- **Fall Meeting at Univ. Arizona**
- **Physical Review News**
- **April 2003 DNP Symposia**

#### **4. THE APS APRIL 2003 MEETING IN PHILADELPHIA, PA, 5-9 APRIL 2003**

The April 2003 Meeting of the American Physical Society will convene in Philadelphia, PA, at the Loews Philadelphia Hotel. Philadelphia offers a unique and eclectic variety of attractions and culture. From Center City, a great place for casual to fine dining - to the Museum District, home of the city's most acclaimed institutions including the Philadelphia Museum of Art - you'll find all the information you need at <http://www.phillyvisitor.com/>.

E-mail service will be available during the hours of registration only for April Meeting attendees to retrieve and send e-mail messages as follows:

E-mail Service Hours:

Friday, April 4 1:00pm - 7:00pm

Saturday, April 5 7:00am - 5:00pm

Sunday, April 6 7:00am - 5:00pm

Monday, April 7 7:30am - 5:00pm

Tuesday, April 8 7:30am - 11:00am

Note: APS offers e-mail access to attendees as a service. Unlimited access to e-mail stations cannot be provided, both in terms of the number of e-mail stations available for use and the time they are available.

All rooms will be equipped with an LCD projector, overhead projector, screen, lavalier microphone, and pointer. If you plan on doing a PowerPoint presentation, please bring your program on your own laptop computer, and be sure to visit the Speaker Ready Room to run through your presentation to ensure that it goes smoothly. (We recommend that you also bring your presentation on vugraphs as a back-up to your computer presentation). When you arrive at the session in which you are speaking, if you are using the LCD projector, please have your laptop turned on and ready to go.

Attendees planning to attend the April Meeting can pre-plan their schedules by using the "shopping cart" feature of the electronic web program. This service allows the attendee to view the program, select the sessions and talks desired, deposit this information in a personal meeting schedule, and then print out the schedule. The electronic program will be posted to the web in February and the scheduler feature will also be available for use at that time.

The APS will sponsor a job fair:

Sunday, April 6 9:00am - 5:00pm

Monday, April 7 9:00am - 5:00pm

The purpose of the Job Fair is to facilitate communication between employers and candidates. For additional information, please contact Greg Carfine at:

American Institute of Physics

Career Services Division

One Physics Ellipse

College Park, MD 20740

tel: 301-209-3190; fax: 301-209-0841

email: [gcarfine@aip.org](mailto:gcarfine@aip.org); website: [www.aip.org/careers](http://www.aip.org/careers)

The DNP owes the sorters for APR03 a thank you for their time effort: E. Beise (U. Md), H. Crannell (Cath. U.) S. Dewey (NIST), and D. Morrissey (MSU).

#### **5. NOMINATIONS FOR APS FELLOWSHIP DUE 1 APRIL**

The procedure for nomination of APS members as Fellows of the Society has been modified by the APS Fellowship Committee. Please check the nomination procedures on the APS home page ([www.aps.org](http://www.aps.org)).

The DNP deadline for nominations is 1 April. Nomination forms can be downloaded from the APS home page or obtained by sending an e-mail message to "fellowship@aps.org." Completed forms should be returned to the address indicated on the form. Nominations remain active for two years.

The 2003 Fellowship Committee is comprised of J.M. Moss (Chair), W. Tornow, R.V.F. Janssens, B. Holstein, and S. Wallace. The DNP Fellowship Committee reviews the nominations for APS Fellowship which have been referred to the DNP and recommends a slate of candidates to the APS Fellowship Committee. Final approval of the new APS Fellows is made by the APS Council. Nominations remain active for 2 years.

It is particularly important for nominators to ensure that the cases which they prepare for the Fellowship Committee are well documented. In addition to that requested on the nomination form, information such as lists of invited talks, awards, professional activities, committee services, and participation in organization of conferences is very helpful. Inclusion of a complete publication list is highly recommended.

The DNP has adopted the following Fellowship Criteria Guidelines. To be chosen as a Fellow, an APS member should have a record of excellence in research that has been sustained over several years, and have completed at least one major, original work that has influenced his/her specialty in a significant way. The APS requires membership for at least the prior year.

The list of APS Fellows (by APS subunit) elected in a given year appears on the APS Home Page in December and is published in the March issue of *APS News*. The names of newly elected DNP Fellows are published in the February Newsletter and the awards are presented at the DNP Business meeting of the Spring APS meeting.

#### **6. NOMINATIONS FOR THE 2004 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 Middleton 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, and A. B. McDonald.

The purpose of this prize, which currently consists of \$7,500 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.

Send name of proposed candidate and supporting material before **1 July 2003** to: John C. Hardy, Cyclotron Inst., Texas A&M Univ., College Station, TX 77843.

#### **7. NOMINATIONS FOR THE 2004 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, and M. C. T. Wiescher.

The purpose of the prize, which currently consists of \$7500 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.

Send name of proposed candidate and supporting material before **1 July 2003** to: Thomas J. Bowles, P23 MS-H803, Los Alamos National Lab., Los Alamos, NM 87545.

#### **8. NOMINATIONS FOR THE 2004 DISSERTATION AWARD IN NUCLEAR PHYSICS**

The now annual prize, 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, and Karsten Heeger.

**Nature:** The award consists of \$2000 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 September 2003.

Send before **1 July 2003** 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 Dr. A. B. Balantekin, Dept. of Physics, Univ. of Wisconsin, 1150 University Ave., Madison, WI 53706.

#### **9. 2003 DNP FALL MEETING IN TUCSON AZ, OCTOBER 28—NOVEMBER 1, B. Barrett**

The 2003 Fall Meeting of the Division of Nuclear Physics (DNP) will be held at the Marriott University Park Hotel near the campus of the University of Arizona (UA) from Thursday, October 29th, through Saturday, November 1st. The meeting will follow the traditional format opening with a plenary session on Thursday, having a Town Meeting on Friday, and concluding Saturday afternoon. Two topical workshops will be held in parallel on the preceding Wednesday. Updated information and registration are available via the conference web site: "<http://www.physics.arizona.edu/~dnp03>"

##### **Hotel**

The Marriott University Park Hotel is the Headquarters Hotel and Conference Center for DNP 2003. Two hundred rooms are reserved at the Marriott at the conference rate of \$109/night, plus taxes (single or double room). An additional 100 rooms are reserved at the Four Points by Sheraton Tucson University Plaza at a discount rate of \$79/night. The walk from the Four Points Sheraton to the Marriott through the UA campus takes about 20 minutes.

##### **Registration and Hotel Reservations**

Registration and hotel reservations must be made through the conference website given above.

Hotel reservations should be made by September 16, 2003 in order to obtain the discounted rate. Early registration will end on August 27, 2003 (note that this is approximately eight weeks after the abstracts are due).

Registration costs are given in the following table.

	Members	Non members	Students	Work shop
Early Reg. (by Aug 27)	\$140	\$300	\$70	\$35
Late Reg. (Aug. 28-Oct. 22)	\$190	\$350	\$85	\$50
On-site Reg.	\$240	\$400	\$100	\$65

A banquet will be held at Old Tucson Movie Studios on Friday evening at an additional cost of \$50. The fee includes bus

transportation to Old Tucson from the Marriott and back and access to Old Tucson's recreational activities.

### Venue and Transportation

The meeting will be held at the Marriott University Park Hotel. The hotel is adjacent to the campus of the University of Arizona and to several shops and restaurants. Car parking is provided by the Marriott for an additional cost. Taxis are available for the ~ 20-minute trip from the Tucson International Airport. Shuttle service by the Arizona Stagecoach (phone 520-881-4111) is available from the airport to the Marriott and Four Points Sheraton at a reduced cost. The Tucson airport is connected by direct flights to several major cities.

### Meeting Structure

The meeting will consist of invited talks and minisymposia along with the traditional contributed talks. The invited sessions will be arranged by the DNP Program Committee at its Spring Meeting. Invited speaker nominations are due March 14, 2003.

The regular meeting will be preceded by two all-day workshops that will run in parallel. One workshop is entitled "QCD, Confinement and Heavy-Ion Collisions" and will be organized by M.J. Leitch (LANL), G. Odyniec (LBL), H.G. Ritter (LBL), I. Sarcevic (Arizona) and R.L. Thews (Arizona). The other workshop is entitled "Nuclear Astrophysics" and will be organized by A. Burrows (Arizona) and S. Woosley (UCSC). More information on the workshops is available from the organizers.

A reception and public lecture will be hosted by the University of Arizona on Wednesday evening. User-group or other satellite meetings can be accommodated on Thursday evening; please contact Complete Conference Coordinators at the address below by September 1st for meeting-room reservations.

### Abstracts

The deadline for submission of abstracts is July 1, 2003. The meeting ID is DNP03. Instructions can be found at <http://www.aps.org/meet/abstracts/meet-abstract.html>. The APS no longer accepts abstracts by email. Direct web submission of abstracts can be made through <http://abstracts.aps.org>. Please note that the LaTeX-based processor properly handles ONLY the commands provided in the template.

### Undergraduate Program

Undergraduate students are encouraged to contact W. Rogers by email at [rogers@westmont.edu](mailto:rogers@westmont.edu) about travel support through the Conference Experience for Undergraduates (CEU) program.

### Organizers

The conference is organized by Complete Conference Coordinators (CCC), phone: 630-416-3030, fax: 630-416-3333, email: [info@cccmeetings.com](mailto:info@cccmeetings.com), or website: <http://www.cccmeetings.com>, which is also linked to the conference website given above.

### Local Organizing Committee

B. Barrett (chair), I. Sarcevic (co-chair), U. van Kolck (co-chair), D. Barker, A. Burrows, K. Dienes, D. Donahue, B. Gelman, A. Levine, J. McCullen, R.L. Thews.

### Important Dates

14 March 2003	Invited speaker nominations
1 July 2003	Submission of abstracts
27 August 2003	Early registration ends
1 September 2003	Requests for satellite meetings
16 September 2003	Hotel reservations at the conference rate
22 October 2003	Late registration ends

## 10. FUTURE DNP FALL MEETINGS

2004	Oct. 27 – Oct. 30	Chicago, IL
2005		Maui, HI
2006		Knoxville, TN

The dates include the Wednesday "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. The Maui meeting was an exception — no workshops but a four-day meeting. All meeting attendees are welcome and encouraged to come. It has been the intention of the DNP Executive Committees that these "workshops" 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.

## 11. FUTURE APS SPRING MEETING INFORMATION

2004	May 1 – 4	Denver, CO
2005	April 16 – 19	Tampa, FL

Any comments/suggestions should be sent to APS Meetings Manager, Donna Baudrau ([baudrau@aps.org](mailto:baudrau@aps.org)).

## 12. PHYSICAL REVIEW NEWS, C. WESSELBORG

Two new *Physical Review Letters* Divisional Associate Editors have accepted three-year terms to begin in January 2003:

Huyse, Mark (Univ. Leuven, Leuven, Belgium)  
Barrette, Jean (McGill Univ., Montreal, Canada)

Five new *Physical Review C* Editorial Board members have been appointed for three-year terms to begin in January 2003:

Jonathan Engel (Univ. of North Carolina, Chapel Hill, NC)  
Sidney Gales (Inst. de Physique Nucléaire, Orsay, France)  
Charles Glashauser (Rutgers Univ., Piscataway, NJ)  
Ingemar Ragnarsson (Lund Inst. of Technology, Lund, Sweden)  
Hideyuki Sakai (Univ. of Tokyo, Tokyo, Japan)

The DNP thanks the departing PRC Editorial Board Members Christian Beck, Kris Heyde, Toshio Motoba, Shelley A. Page, and Peter Parker. The departing PRL Divisional Associate Editors in nuclear physics are I-Yang Lee and Peter Braun-Munzinger, whom the DNP thanks for their service.

## 13. E-MAIL ADDRESS INFORMATION REQUESTED

The APS membership directory is online through the APS Web site (<http://www.aps.org>). Check your own address information — name of the service (directory) and the password (F=ma) are case sensitive. Despite being computer literate authors — some 85% of the submissions to *Phys. Rev. C* are compuscripts — DNP members do not outshine their fellow APS members in registering their e-mail

addresses. Although 95% of the DNP members do have an e-mail address listed with the APS, all are not current. Is yours?

Membership information can be updated by sending an e-mail message to "membership@aps.org" or directly on the Web. Log on to the directory with your password and click on Add/Modify to change your information.

#### 14. ANNUAL REVIEWS OF NUCLEAR AND PARTICLE SCIENCE

**Ordering Procedure:** Orders should be sent directly to: Annual Reviews, Attn: Clarette Tupper, Customer Service, 4139 El Camino Way, P. O. Box 10139, Palo Alto, CA 94303-0139 (e-mail: ctupper@annualreviews.org). DNP membership will be verified through the DNP prior to shipment of orders.

**2002 Prices:** The dual prices (separated by a slash) listed below correspond to USA/other countries including Canada. Volumes 44 and 45 are \$62/\$67 retail and \$43.40/\$46.90 for DNP members. Volume 46 is \$67/\$72 retail and \$46.90/\$50.40 for DNP members. Volumes 47 - 50 are \$70/\$75 retail and \$49/\$52.50 for DNP members. Volume 51 is \$75/\$80 retail and \$52.50/\$56.00 for DNP members. The DNP member discount is ~30%.

Other Annual Reviews series publications are also available. A complete listing of topics and authors for the current volumes and back volumes of Annual Reviews publications may be viewed on the Annual Reviews Web Site at <http://www.AnnualReviews.org>. The Web Site also features a fully searchable abstracts data base for all Annual Reviews publications, which allows visitors to search by author name or key words.

Payment should accompany your order and must be in U.S. funds. California orders must add applicable sales tax. *All orders shipped to Canada require the addition of a 7% GST (Reg. #121449029 RT).*

#### 15. FUTURE CONFERENCES

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

**"International Conference on Low Energy Antiproton Physics (LEAP03),"** 3-7 March 2003, Yokohama, Japan, Contact: leap03.conference@cern.ch, Chair: Ryugo S. Hayano, Tokyo University <http://cern.ch/leap03>

**"7th International Conference on Strangeness in Quark Matter"** 12-17 March 2003, Atlantic Beach, North Carolina Organ: S. Bass, B. Mueller, G. Stephans, T. Ullrich <http://www.phy.duke.edu/SQM2003>

**"8th Conference on the Intersections of Particle and Nuclear Physics (CIPANP2003)"** 19-24 May 2003, Grand Hyatt Hotel, New York Chair: William Marciano, Contact: Dr. Zohreh Parsa, Brookhaven National Lab, Physics Department 510A, Upton, NY 11973-5000 <http://www.cipanp2003.bnl.gov> Email: cipanp2003@bnl.gov

**"Second International Conference on Nuclear and Particle Physics with CEBAF at Jlab (NAPP 2003),"** 26-31 May 2003, Dubrovnik, Contact: Ivan Supek, Email: [napp2003@cebaf.hr](mailto:napp2003@cebaf.hr), Fax: 385-(01)-468-0239, <http://www.cebaf.hr>.

**"Generalized Parton Distributions and Hard Exclusive Processes,"** 23 June - 29 August 2003 Xiangdong Ji, [xji@physics.umd.edu](mailto:xji@physics.umd.edu), 301-405-7277; Anatoly Radyushkin, [radyush@jlab.org](mailto:radyush@jlab.org), 757-269-7377; Andreas Schaefer, E-mail: [andreas.Schaefer@ui-regensburg.de](mailto:andreas.Schaefer@ui-regensburg.de), 49-941-943-2007, <http://int.phys.washington.edu>.

**"17th International IUPAP Conference on Few-Body Problems in Physics"** 5-10 June 2003, Durham, North Carolina Contact: W. Tornow, Dept. of Physics, Box 90308, TUNL, Duke University, Durham, NC 27708-0308 <http://www.tunl.duke.edu/fb17> Email: [FB17@tunl.duke.edu](mailto:FB17@tunl.duke.edu) Fax: 919-660-2634

**"International Workshop on Weak Interactions in Nuclei and Astrophysics: Standard Model and Beyond,"** 16-21 June 2003, ECT\* Trento, Contact: Cristina Volpe, Email: [volpe@tphys.uni-heidelberg.de](mailto:volpe@tphys.uni-heidelberg.de), <http://nuclth.physics.wisc.edu/conferences/ect/>

**"International Symposium on Electrophoto-production of Strangeness on Nucleons and Nuclei - SENDAI03,"** 16-18 July 2003, Sendai International Center, Sendai, Japan, . Osamu Hashimoto, E-mail: [sendai03@lambda.phys.tohoku.ac.jp](mailto:sendai03@lambda.phys.tohoku.ac.jp), Fax: 81-22-217-6455, <http://lambda.phys.tohoku.ac.jp/sendai03.html>

**"LOWq-03: 2nd Workshop on Electromagnetic Nuclear Reactions at Low Momentum Transfer,"** 17-18 July 2003, Saint Mary's University, Halifax, NS, Canada. Organizers: Adam Sarty (Saint Mary's University) and Henry Weller (Duke University), [lowq03@ap.smu.ca](mailto:lowq03@ap.smu.ca), Fax: 902-496-8218, <http://www.ap.smu.ca/LOWq03>

**"Nuclear Physics Gordon Research Conference,"** 20-25 July 2003, Colby College, Waterville, Maine, Chair: Barry Holstein, U. Mass., Email: [holstein@physics.umass.edu](mailto:holstein@physics.umass.edu), Prg <http://www.grc.org/programs/2003/nucphys.htm>, Reg: <http://www.grc.org/attend.htm>.

**"Theories of Nuclear Forces and Nuclear Systems,"** 29 September, 2003 - 5 December, 2003 Richard Furnstahl, [furnstahl.1@osu.edu](mailto:furnstahl.1@osu.edu), 614-292-4830; Benjamin Gibson, [bf Gibson@lanl.gov](mailto:bf Gibson@lanl.gov), 505-667-5059; Rob Timmermans, [timmermans@kvi.nl](mailto:timmermans@kvi.nl), 31-50-3633570; Ubirajara van Kolck, [vankolck@physics.arizona.edu](mailto:vankolck@physics.arizona.edu), 520-621-4230, <http://int.phys.washington.edu>.

**"International Conference Fusion03: From a Tunneling Nuclear Microscope to Nuclear Processes in Matter,"** 12-15 November 2003 Tohoku University, Sendai, Japan, Contacts: N. Takigawa, [takigawa@nucl.phys.tohoku.ac.jp](mailto:takigawa@nucl.phys.tohoku.ac.jp), 81-(0)22-217-6457, fax 81-(0)22-217-6460; J. Kasagi [kasagi@lns.tohoku.ac.jp](mailto:kasagi@lns.tohoku.ac.jp), 81-(0)22-743-3420, fax: 81-(0)22-743-3401; <http://www.nucl.phys.tohoku.ac.jp/fusion03/>

SYMPOSIA OF THE DNP  
April Meeting – Philadelphia, PA  
April 5 - 8, 2003  
Loews Philadelphia Hotel

10:45 SATURDAY MORNING, 5 APRIL 2003

Commonwealth A

**B3. Electromagnetic Structure of the Nuclei.** Chair: K. de Jager.

R. Beck (Institut für Kernphysik, University Mainz), “Nucleon Polarizabilities from Compton Scattering Experiments”

J. McGovern (Univ. of Manchester), “Nucleon Polarizabilities from Low-Energy Compton Scattering,”

G. Miller (Univ. of Washington), “The Shape of the Proton”

C. Howell (Duke Univ., TUNL), “New Measurements of the Neutron Electric Form Factor”

10:45 SATURDAY MORNING, 5 APRIL 2003

Regency Ballroom C1

**B7. Mini-Symposium on Double-Beta Decay and Dark-Matter Search.** Chair: S. Elliott,

P. Vogel (Caltech), “Double beta decay - a key to the neutrino mass scale”

14:30 SATURDAY AFTERNOON, 5 APRIL 2003

Commonwealth A

**C3. Charge Symmetry Breaking.** Chair: B. Van Kolck, J. Niskanen (Univ. of Helsinki) “Theory of Charge Symmetry Breaking”

A. Opper (Ohio Univ.) “Measuring Charge Symmetry Breaking in  $np \rightarrow d/\pi^0$ ”

E. Stephenson (Indiana Univ.) “Observation of the isospin-forbidden  $d + d$  to  $^4\text{He} + \pi^0$  Reaction near Threshold”

K. Nollett (Univ. Washington), “Time-varying constants, the nucleon mass difference, and big-bang nucleosynthesis”

14:30 SATURDAY AFTERNOON, 5 APRIL 2003

Regency Ballroom C1

**C7. Mini-Symposium of Emergent Phenomena in Nuclei.** Chair: B. Barrett

M. Hjorth-Jensen (Univ. of Oslo) “Challenges for shell model studies and emergent phenomena in nuclei”

F. Nunes “Halo Nuclei” (Michigan State Univ.)

P. Regan (Univ. of Surrey) “Vibrational-Rotational Evolution Along the Yrast Line”

P. Garrett (Lawrence Livermore Natl. Lab.) “The key to understanding nuclear structure: a multi-faceted approach”

10:45 SUNDAY MORNING, 6 APRIL 2003

Regency Ballroom B

**H2. Nucleon Structure and Excited States.** Chair: C. Meyer

K. Joo (Univ. of Connecticut) “Electromagnetic Excitation of Nucleon Resonances using CLAS”

D. Richards (Jefferson Laboratory) “Nucleon Resonances and Lattice QCD”

A. Miller (TRIUMF) “Nucleon Spin Structure: Experiment”

A. Belitsky (Univ. of Maryland) “Unravelling the Proton's Spin”

14:30 SUNDAY AFTERNOON, 6 APRIL 2003

Regency Ballroom B

**K2. Rich QCD at RHIC.** Chair: T. Hallman

G. Roland (MIT) “Overview of the RHIC Data - What Do We See in the Soft Spectra?”

J. Jalilian-Mariam (Brookhaven Nat. Lab.) “The Color Glass Condensate Picture of Heavy Ion Collisions”

K. Filimonov (Lawrence Berkeley Nat. Lab.) “High Pt Phenomena at RHIC”

F. Gelis (CEA/Saclay) “Hard processes at RHIC”

14:30 SUNDAY AFTERNOON, 6 APRIL 2003

Commonwealth A

**K3. Nucleosynthesis in Astrophysical Objects.** Chair: G. McLaughlin

B. Fields (Univ. of Illinois) “The Cosmic History of Nuclear Matter: Overview of Light and Heavy Nucleosynthesis”

B. Sherrill (Michigan State Univ.) “Measurements of Astrophysical Nuclear Reaction Rates using Rare Isotope Beams”

U. Hwang (NASA). “New Windows into Nucleosynthesis in Supernova Remnants with the Chandra X-ray Observatory”

C. Cardall (Oak Ridge Nat. Lab. and Univ. of Tennessee), “Core-collapse Supernova Simulations and Implications for Nucleosynthesis”

L. Piro (IASF/CNR) “X-ray lines in massive black holes and gamma-ray bursts”

14:30 SUNDAY AFTERNOON, 6 APRIL 2003

Washington B

**K10. Mini-Symposium on the Location of the Nuclear Driplines.** Chair: M. R. Thoennessen

B. Brown (Michigan State Univ.), “New Magic Numbers Towards the Drip Lines”

10:45 MONDAY MORNING, 7 APRIL 2003

Regency Ballroom B

**P2. Neutrinos, Big-Bang Nucleosynthesis; Compton Scattering.** Chair: J. Beacom

D. Markoff (North Carolina State Univ., TUNL), “Recent Results From Reactor Neutrino Experiments”

N. Bell (Fermilab), “Neutrino mixing and big bang nucleosynthesis”

A. Nathan (Univ. of Illinois at Urbana-Champaign), “Compton Scattering from the Proton at High Momentum Transfer”

P. Kroll (Fachbereich Physik, Universitaet), “The handbag mechanism in Compton scattering”

10:45 MONDAY MORNING, 7 APRIL 2003

Regency Ballroom C2

**P8. Mini-Symposium on Transition Form Factors.** Chair: J. Kelly

T.-S. Lee (Argonne Nat. Lab.), “Review of Baryon Transition Form Factors”

10:45 MONDAY MORNING, 7 APRIL 2003

Washington B

**P10. Mini-Symposium on the Isospin Dependence of Reaction Dynamics.** Chair: W. G. Lynch

L. Sobotka (Washington Univ.) "The influence of isospin on both statistical and dynamical aspects of HI reactions"

14:30 MONDAY AFTERNOON, 7 APRIL 2003

Regency Ballroom B

**R2. Division of Nuclear Physics Prize Session.** Chair: C. Glashauser

A. McDonald (Queen's Univ.) "Resolving the Solar Neutrino Problem with the Sudbury Neutrino Observatory"

M. Wiescher (Univ. of Notre Dame), "Bethe Prize Talk: Nuclear Physics Phenomena in Cataclysmic Stellar Binary Systems"

K. Heeger (Lawrence Berkeley Nat. Lab.), "Dissertation Award in Nuclear Physics Prize Talk: Model-Independent Measurement of the  $^8\text{B}$  Solar Neutrino Flux and Evidence for Neutrino Flavor Change at SNO"

J. Speth (Forschungszentrum Juelich), "Complex Systems: From Nuclear Physics to Financial Markets"

08:00 TUESDAY MORNING, 8 APRIL 2003

Regency Ballroom B

**T2. History of Solar Neutrinos.** Chair: H. Frauenfelder,

A. Franklin (Univ. of Colorado), "Where Are The Neutrinos? The Early History of the Solar Neutrino Problem"

J. Bahcall (Institute for Advanced Study), "History of the Solar Neutrino Problem: A Theoretical Perspective"

K. Lande (Univ. of Pennsylvania), "The Homestake Chlorine Solar Neutrino Detector"

V. Gavrin (Russian Academy of Sciences), "The Gallium Experiments"

Y. Totsuka (Univ. of Tokyo) "The Kamioka Experiments"

08:00 WEDNESDAY MORNING, 9 APRIL 2003

Commonwealth A

**U3. QCD at the Interface between Particle and Nuclear.** Chair: B. Zajc

H. Caines (Yale Univ.), "Hot Matter and Cool Results at RHIC"

T. Schaefer (SUNY), "Hot Results about Cool Matter"

J. Pumphlin (Michigan State Univ.), "Parton Distributions and Uncertainties"

C. Bauer (UC San Diego), "Soft/Collinear Effective Theories"

S. Chekanov (Argonne Nat. Lab.), "New Results from HERA"

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**CHARLES GLASHAUSSER**  
**Chair**

Department of Physics  
Rutgers University  
136 Frelinghaysen Road  
Piscataway, NJ 08854-8019  
Phone: (732) 445-2526  
Fax: (732) 445-4343  
glashaus@physics.rutgers.edu

**A. BAH BALANTEKIN**  
**Chair-Elect**

Department of Physics  
University of Wisconsin  
1150 University Avenue  
Madison, WI 53706  
Phone: (608) 263-7931  
Fax: (608) 262-8628  
baha@nucth.physics.wisc.edu

**DONALD F. GEESAMAN**  
**Vice-Chair**

Physics Division  
Argonne National Lab.  
9700 S. Cass Ave.  
Argonne, IL 60439  
Phone: (630) 252-4004  
Fax: (630) 252-3903  
geesaman@anl.gov

**BENJAMIN F. GIBSON**  
**Secretary-Treasurer**

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