

**Preamble of the 2006 Fall Meeting of the
Division of Nuclear Physics of the American Physical Society
October 25–28, 2006
Nashville, Tennessee**

GENERAL INFORMATION

The 2006 Fall Meeting of the Division of Nuclear Physics (DNP06) will be held at the Gaylord Opryland Resort and Conference Center from Thursday, October 26th, through Saturday, October 28th.

The meeting will follow the traditional format, opening with a plenary session on Thursday morning, having parallel invited sessions, contributed sessions and mini-symposia the remainder of the meeting, holding a Business/Town Meeting on Friday afternoon, and concluding around 17:00 on Saturday. Three topical workshops will be held in parallel on the preceding Wednesday, October 25th.

The Gaylord Opryland Resort and Convention Center is the headquarters hotel and conference center for DNP06. The hotel and convention center are located at 2800 Opryland Drive, Nashville, Tennessee, 37214-1297.

Telephone: (615) 889-1000

Email: info@gaylordhotels.com

<http://www.gaylordhotels.com/gaylordopryland/>

All hotel rooms were required to be booked through the conference web site.

PLENARY SESSION

Future Directions in Nuclear Physics

Session AA, 8:30 AM Thursday, 26 October
Tennessee C

The Plenary session comprises four visionary talks plus a Town Meeting format discussion of the NSAC Long Range Plan process that will take place over the next several months. The session will be moderated by DNP Chair Susan J. Seestrom. The Long Range Plan discussion will open with a presentation by NSAC Chair Robert E. Tribble. Please come and make your opinions known.

PROGRAM DESCRIPTION

Invited Sessions

The invited sessions were arranged by the DNP Program Committee, chaired by Richard G. Milner. There are five sessions including one comprising speakers nominated by the DNP membership and voted on by the DNP Program Committee.

Societal Impact of Nuclear Physics

Session BA

14:00 Thursday, 26 October

Tennessee C

Exploring the Spin Structure of the Nucleon

Session CA

9:00 Friday, 27 October

Tennessee C

Precision Weak Interaction Studies at Low Energy

Session DA

14:00 Friday, 27 October

Tennessee C

Topics in Nuclear Physics

Session GA

9:00 Saturday, 28 October

Tennessee C

New Symmetries in Nuclei

Session HA

14:00 Saturday, 28 October

Tennessee C

Mini-Symposia

A selection of mini-symposia has been organized by the members of the DNP Program Committee. Each has a lead speaker to introduce the topic, so that the contributed papers, which follow, can cover essential material without the need for an extended introduction.

Applications of GEM Technology

Session BD

14:00 Thursday, 26 October

Hermitage A

Experimental Techniques in Low Energy Nuclear
Astrophysics Studies

Session BE

14:00 Thursday, 26 October

Hermitage B

Stewardship Science I

Session CB

9:00 Friday, 27 October

Tennessee A

Identifying Dark Matter I: Direct Detection of
WIMP Dark Matter

Session CG

9:00 Friday, 27 October

Hermitage D

From Crust to Core: QCD in Neutron Stars

Session CH

9:00 Friday, 27 October

Cheekwood F

Stewardship Science II

Session DB

14:00 Friday, 27 October

Tennessee A

Identifying Dark Matter II: Axionic and Sterile
Neutrino Dark Matter

Session DG

14:00 Friday, 27 October

Hermitage D

Nuclear Physics and National Security

Session GB

9:00 Saturday, 28 October

Tennessee A

Nuclei as Mesoscopic Systems I

Session GD

9:00 Friday, 28 October

Hermitage A

Nuclei as Mesoscopic Systems II

Session HD

14:00 Saturday, 28 October

Hermitage A

Deeply Virtual Compton Scattering

Session HH

14:00 Saturday, 28 October

Cheekwood F

Workshops

The Local Organizing Committee has organized

three workshops to highlight physics of interest in the local region. The workshops will be held on Wednesday, October 25th, preceding the main meeting. Registration is available either on-line or starting at 7:30 Wednesday morning at the meeting registration area outside the Tennessee Ballroom. Attendees who have preregistered can pick up their badges outside the meeting rooms (Bayou B and C).

Exotic Nuclei: From the Laboratory to the Cosmos, begins at 9:00 in Bayou C. David Dean (ORNL) and Jeff Blackmon (ORNL) are the organizers.

Properties and Signatures of sQGP, begins at 9:00 in Bayou B. Julia Velkovska (VU) and Charles Maguire (VU) are the organizers.

Spin Structure of the Nucleon, begins at 15:30 in Bayou B. Julia Velkovska (VU) and Charles Maguire (VU) are the organizers.

ADDITIONAL ACTIVITIES

Reception

A welcoming reception will be held starting at 19:30 on Wednesday, October 25th, in Presidential A and B, Gaylord Opryland Resort and Conference Center. Light refreshments will be served. Please stop by and renew acquaintances before the Plenary Session on Thursday morning.

User Group Meetings

The following user-group meetings will be held on Thursday, October 26th:

RHIC-AGS Users

17:30, Hermitage B

Low-Energy Facilities (ATLAS, HRIBF, MSU, GAMMASPHERE/GRETINA, RIA)

18:30, Hermitage C

RIA Users, 17:30

Hermitage A

RIA Theory, 20:00

Hermitage A

Physical Review C and *Physical Review Letters* Drop-In

A drop-in reception to meet the editorial staff of *Physical Review C* and *Physical Review Letters* will be held on Friday, October 27, from 15:00 to 17:00, in Cheekwood C. The journal editors will be available to

answer questions and share concerns. Refreshments will be served. All attendees are welcome to stop by.

CEU Student Program

A tradition of the DNP Fall Meeting is a parallel set of activities for undergraduate students organized by Warren Rogers (Westmont College) as a component of the Conference Experience for Undergraduates (CEU) program. The goal of the CEU program is to provide a valuable conference experience for undergraduate students who have conducted research in nuclear physics, by providing them an opportunity to present their research to the larger professional community and to one another. Additionally, the CEU program enables participating students to talk to faculty and senior scientists from graduate institutions about graduate school opportunities. All Conference attendees are encouraged to find time to visit the undergraduate poster session that will be held on Friday afternoon 12:30–14:00 in Cheekwood ABC.

A CEU student reception is scheduled for Thursday evening at 19:00. Other CEU activities will include a special lecture on Thursday afternoon at 16:00 (Brant Johnson of BNL speaking on “Discovering the Perfect Fluid at RHIC”) in Hermitage C and on Saturday morning at 10:30 (Jolie Cizewski of Rutgers University speaking on the “Magic Numbers of Maria Goeppert Mayer”) in Cheekwood C. A special discussion focused on graduate education opportunities will follow the Saturday morning lecture at 11:30 in Cheekwood C.

Business/Town Hall Meeting

The DNP Business Meeting will be held in Tennessee A on Friday afternoon at 17:00. It will include a summary of recent DNP actions, a preview of the April 2007 spring meeting in Jacksonville, FL, presentation of the DNP Distinguished Service Award, and a presentation by Virginia R. Brown regarding the 40th anniversary of the Division of Nuclear Physics.

As part of a continuing effort to provide timely information to the DNP membership and to provide an open forum for public comment on issues affecting the entire field, the Division will hold a Town Hall Meeting immediately following the Business Meeting.

Stuart J. Freedman will summarize the EPP2010 panel report. After reports from the NSF and DOE, discussion of the NSAC Long Range Planning Process, begun on Thursday morning, will continue.

Banquet

Following the Town Hall meeting on Friday, October 29, a banquet will be held at 19:00 in Tennessee D. Tickets for the banquet are \$60 per person when purchased beforehand by completing the appropriate part of the registration form. On-site purchase will cost \$70. An after-dinner talk will be given by Dr. John Gore, director of Vanderbilt University Institute of Imaging Science. Entertainment will be provided by Brazilbilly.

REGISTRATION

Attendees are encouraged to pre-register using the registration form and instructions provided on the conference website.

On-site conference registration will be:

Wednesday.....	8:30 to 18:00
Thursday	7:30 to 17:30
Friday	8:00 to 17:00
Saturday	8:30 to 15:00

Personnel will be available at the conference desk during the meeting to help provide information and other assistance.

Travel

Flights to Nashville International Airport (BNA) are available from most cities in the U.S. In addition, Nashville is within reasonable driving distance of much of the eastern U.S. There are several ways to travel between the airport and the conference center including taxi, rental car, and the hotel shuttle (go to www.oprylandhotel.com and choose “how to get here” from the menu on the left). More information about travel to and within Nashville and about the city itself can be found at <http://www.musiccityusa.com/>.

LOCAL ORGANIZING COMMITTEE

Victoria Greene¹ (chair)
 David Dean² (co-chair)
 Jeff Blackmon²
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 Charles Maguire¹
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Conference Website

<http://www.phy.ornl.gov/DNP06/>

CONFERENCE COORDINATOR

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PLEASE NOTE

The APS has made every effort to provide accurate and complete information in this Bulletin. However, changes or corrections may occasionally be necessary and may be made without notice after the date of publication. To ensure that you receive the most up-to-date information, please check the meeting Corrigenda distributed with this Bulletin.