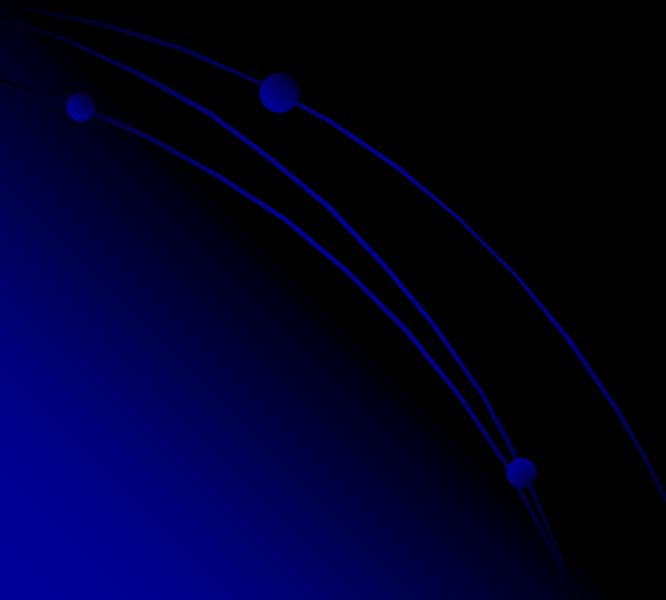


# Overview DNP Meeting

David Hofman

14-JAN-05



# BULLETIN

OF THE AMERICAN PHYSICAL SOCIETY

PROGRAM OF THE 2004 FALL MEETING  
OF THE DIVISION OF NUCLEAR PHYSICS

October 27–30, 2004  
Chicago, Illinois



October 2004  
Volume 49, No. 6



# Preamble of the 2004 Fall Meeting of the Division of Nuclear Physics October 27–30, 2004 Chicago, Illinois

The 2004 Fall Meeting of the Division of Nuclear Physics (DNP) will be held at the Hyatt Regency Chicago from Thursday, October 28, through Saturday, October 30. 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.

The Hyatt Regency Chicago (151 East Wacker Drive, Chicago, Illinois) is the Headquarters Hotel and Conference Center for DNP 2004. The Hyatt is within walking distance to many cultural attractions, historical buildings, the "Magnificent Mile" along Michigan Avenue, and Lake Michigan.

## PLENARY SESSION

- Visions of the Future of Nuclear Physics, Session AA, 8:45 Thursday, 28 October, Regency A&B, Hyatt Regency Chicago.

## INVITED SESSIONS

- Have We Seen the Quark-Gluon Plasma at RHIC?, Session BA, 14:00 Thursday, 28 October, Regency A, Hyatt Regency Chicago.

- 50 Years of Collective Models, Session CA, 9:00 Friday, 29 October, Regency A, Hyatt Regency Chicago.

- Probing the Gluonic and Quark Structure of Matter, Session CA, 14:00 Friday, 29 October, Regency A, Hyatt Regency Chicago.

- New Results from Proton-Rich Nuclei, Session GA, 9:00 Saturday, 30 October, Regency A, Hyatt Regency Chicago.

- Strongly Interacting Fermions: From Traps to Stars, Session JA, 14:00 Saturday, 30 October, Regency A, Hyatt Regency Chicago.

## MINI-SYMPOSIA

- Contemporary Physics at Gammasphere, Session BD, 14:00 Thursday, 28 October, Water Tower, Hyatt Regency Chicago.

- Two-Photon Physics in Electron Scattering, Session BG, 14:00 Thursday, 28 October, Gold Coast, Hyatt Regency Chicago.

- First Results from the 62 GeV Run at RHIC I, Session CB, 9:00 Friday, 29 October, Toronto, Hyatt Regency Chicago.

- Nuclear Data for Science and Technology, Session CD, 9:00 Friday, 29 October, Water Tower, Hyatt Regency Chicago.

- First Results from the 62 GeV Run at RHIC II, Session DB, 14:00 Friday, 29 October, Toronto, Hyatt Regency Chicago.

- Exotic Hadrons, Session DG, 14:00 Friday, 29 October, Gold Coast, Hyatt Regency Chicago.

- Jet Quenching at RHIC and the Partonic Equation of State, Session GB, 9:00 Saturday, 30 October, Toronto, Hyatt Regency Chicago.

- Developments in Nuclear Structure and Reaction Theory for Astrophysics and Stockpile Stewardship I, Session GC, 9:00 Saturday, 30 October, Acapulco, Hyatt Regency Chicago.

- Developments in Nuclear Structure and Reaction Theory for Astrophysics and Stockpile Stewardship II, Session JC, 14:00 Saturday, 30 October, Acapulco, Hyatt Regency Chicago.

## WORKSHOPS

Two workshops will be held on Wednesday, October 27, preceding the main meeting. These workshops run all day, in parallel, and registration is required.

*Advances in Understanding the Nucleon* has been organized by J. Arrington (ANL), R. Holt (ANL), and C. Roberts (ANL). This workshop will provide an overview of the latest measurements of nucleon structure

5 Total Invited

RHIC EXPT.

9 Tot. Mini-S

RHIC EXPT.

2 Workshops

*Epitome of the Division of Nuclear Physics Meeting 2004  
of the American Physical Society*

8:30 WEDNESDAY MORNING  
27 OCTOBER 2004

1WA **Pre-Conference Workshop II:  
Experimental Methods for Next  
Generation Rare Isotope Beams**  
*Sprouse, Mantica, Clark, Lister*  
Crystal C, Hyatt Regency Chicago

14:15 WEDNESDAY AFTERNOON  
27 OCTOBER 2004

5WB **Pre-Conference Workshop I:  
Advances in Understanding the  
Nucleon**  
*Morfin, Derrick, Maris*  
Crystal A, Hyatt Regency Chicago

9:00 WEDNESDAY MORNING  
27 OCTOBER 2004

2WB **Pre-Conference Workshop I:  
Advances in Understanding the  
Nucleon**  
*Bodek, Jones, Ji*  
Crystal A, Hyatt Regency Chicago

16:15 WEDNESDAY AFTERNOON  
27 OCTOBER 2004

6WA **Pre-Conference Workshop II:  
Experimental Methods for Next  
Generation Rare Isotope Beams**  
*Thoennessen, Sobotka, Tanihata,  
Zegers*  
Crystal C, Hyatt Regency Chicago

6WB **Pre-Conference Workshop I:  
Advances in Understanding the  
Nucleon**  
*Makins, Capstick, Peng*  
Crystal A, Hyatt Regency Chicago

11:00 WEDNESDAY MORNING  
27 OCTOBER 2004

3WA **Pre-Conference Workshop II:  
Experimental Methods for Next  
Generation Rare Isotope Beams**  
*Rehm, Blackmon, Greife, Ahle*  
Crystal C, Hyatt Regency Chicago

3WB **Pre-Conference Workshop I:  
Advances in Understanding the  
Nucleon**  
*Beise, Thomas, Burkardt*  
Crystal A, Hyatt Regency Chicago

8:45 THURSDAY MORNING  
28 OCTOBER 2004

AA **Visions of the Future of Nuclear  
Physics**  
*Grunder, Thomas, Schiffer,  
Freedman, Cizewski*  
Regency A/B, Hyatt Regency  
Chicago

14:00 WEDNESDAY AFTERNOON  
27 OCTOBER 2004

4WA **Pre-Conference Workshop II:  
Experimental Methods for Next  
Generation Rare Isotope Beams**  
*Wiedenhoever, Lee, Wuosmaa,  
Davids*  
Crystal C, Hyatt Regency Chicago

14:00 THURSDAY AFTERNOON  
28 OCTOBER 2004

BA **Have We Seen the Quark-Gluon  
Plasma at RHIC?**  
*Snellings, Nagle, Blaizot, Gyulassy*  
Regency A, Hyatt Regency Chicago

BB **Instrumentation I**  
Toronto, Hyatt Regency Chicago

BC	<b>Nuclear Reactions I</b> Acapulco, Hyatt Regency Chicago	14:00 FRIDAY AFTERNOON 29 OCTOBER 2004
BD	<b>Mini Symposium: Contemporary Physics at Gammasphere</b> <i>Seweryniak</i> Water Tower, Hyatt Regency Chicago	DA <b>Probing the Gluonic and Quark Structure of Matter</b> <i>Haeblerli, Mezzani, Kovchegov, Spayde, Kishimoto</i> Regency A, Hyatt Regency Chicago
BE	<b>Hadronic and Sub-Nucleonic Physics</b> Comiskey, Hyatt Regency Chicago	DB <b>Mini Symposium: First Results from the 62 GeV Run at RHIC II</b> <i>Murray</i> Toronto, Hyatt Regency Chicago
BF	<b>Nuclear Theory I</b> Regency B, Hyatt Regency Chicago	DC <b>Nuclear Astrophysics II</b> Acapulco, Hyatt Regency Chicago
BG	<b>Mini Symposium: Two-Photon Physics in Electron Scattering</b> <i>Blunden</i> Gold Coast, Hyatt Regency Chicago	DD <b>Nuclear Structure A&gt;120</b> Water Tower, Hyatt Regency Chicago
9:00 FRIDAY MORNING 29 OCTOBER 2004		DF <b>Nuclear Theory II</b> Regency B, Hyatt Regency Chicago
CA	<b>50 Years of Collective Models</b> <i>Frauendorf, Iachello, Dobaczewski, von Brentano</i> Regency A, Hyatt Regency Chicago	DG <b>Mini Symposium: Exotic Hadrons</b> <i>Stepanyan</i> Gold Coast, Hyatt Regency Chicago
CB	<b>Mini Symposium: First Results from the 62 GeV Run at RHIC I</b> <i>Caines</i> Toronto, Hyatt Regency Chicago	DH <b>High <math>p_T</math> and Heavy-Flavor Probes of Ultra-Relativistic Nucleus-Nucleus Collisions</b> Regency C, Hyatt Regency Chicago
CC	<b>Nuclear Astrophysics I</b> Acapulco, Hyatt Regency Chicago	17:30 FRIDAY AFTERNOON 29 OCTOBER 2004
CD	<b>Mini Symposium: Nuclear Data for Science and Technology</b> <i>Nichols</i> Water Tower, Hyatt Regency Chicago	EA <b>Business/Town Meeting</b> Regency A, Hyatt Regency Chicago
CF	<b>Instrumentation II</b> Regency B, Hyatt Regency Chicago	19:30 FRIDAY EVENING 29 OCTOBER 2004
CG	<b>Neutrinos and Parity Violating Electron Scattering</b> Gold Coast, Hyatt Regency Chicago	FJ <b>Banquet</b> Crystal B/C, Hyatt Regency Chicago
CH	<b>Nuclear Reactions II</b> Regency C, Hyatt Regency Chicago	9:00 SATURDAY MORNING 30 OCTOBER 2004
CK	<b>Conference Experience for Undergraduates</b> Regency D, Hyatt Regency Chicago	GA <b>New Results from Proton-Rich Nuclei</b> <i>Stolz, Clark, Grzywacz, Ressler</i> Regency A, Hyatt Regency Chicago

GB	<b>Mini Symposium: Jet Quenching at RHIC and the Partonic Equation of State</b> <i>Kharzeev</i> Toronto, Hyatt Regency Chicago	14:00 SATURDAY AFTERNOON 30 OCTOBER 2004
		JA <b>Strongly Interacting Fermions: From Traps to Stars</b> <i>Thomas, Hammer, Kundu, Prakash</i> Regency A, Hyatt Regency Chicago
GC	<b>Mini Symposium: Developments in Nuclear Structure and Reaction Theory for Astrophysics and Stockpile Stewardship I</b> <i>Hayes</i> Acapulco, Hyatt Regency Chicago	JB <b>Early-Time Probes of Relativistic Heavy-Ion Collisions at RHIC</b> Toronto, Hyatt Regency Chicago
		JC <b>Mini Symposium: Developments in Nuclear Structure and Reaction Theory for Astrophysics and Stockpile Stewardship II</b> Acapulco, Hyatt Regency Chicago
GD	<b>Nuclear Structure <math>A &lt; 70</math></b> Water Tower, Hyatt Regency Chicago	JD <b>Nuclear Structure <math>70 &lt; A &lt; 120</math></b> Water Tower, Hyatt Regency Chicago
GE	<b>Resonances and Hadron Correlations and Fluctuations at RHIC</b> Comiskey, Hyatt Regency Chicago	JE <b>Light-Ion Reactions</b> Comiskey, Hyatt Regency Chicago
GG	<b>Electromagnetic Studies</b> Gold Coast, Hyatt Regency Chicago	JG <b>Weak Meson Couplings and Precision Beta Decay Experiments</b> Gold Coast, Hyatt Regency Chicago

**Summary RHIC Expts. at DNP:**  
 1/8 Pre-Conf. Workshop Sessions  
 0/4 Plenary talks  
 7/34 Sessions.



- Thursday, October 28, starting 5:30pm
  - 5:30-7:00 Reception - (good) Appetizers & Drinks – thanks BSA!
  - 6:00-6:15 Overview (Gary Westfall)
  - 6:15-6:30 RHIC Update Runs 4&5 (Brant Johnson)
  - 6:30-6:50 RHIC II (Tom Ludlam)
  - 6:50-7:20 Open Forum (Peter Steinberg & DH)
  - 7:20-7:30 Closing (Gary Westfall)

# Issues Raised at the DNP Open Forum

1. Computing issues with the BNL VPN tunnel.
    - BNL system uses the same default addresses as routers at home and thus it doesn't work. Can't BNL change its addresses so it will work better?
    - Why can't VPN work with a regular password?
    - → Next Talk: Peter Steinberg on computing.
- 

# Issues Raised at the DNP Open Forum

2. Question: what is the policy for what Users have to do before they come to BNL?
  - Do users have to pre-sign in on the web before coming on site?
    - Currently this is Mandatory for the Light Source
    - It is not clear for RHIC/AGS Users.
  - Are badges always scanned?
    - Yes
  - Where to find this information?
    - On the users center web page.  
<http://www.bnl.gov/userscenter/>



site search

- Users' Center
- Users' Group
- Training
- Association of Students and Postdocs
- National User Facility Organization

[Guest Registration](#) | [Check-in/Check-out](#)

[Users' Group](#) | [Meetings](#)

[Training](#)

[ATF](#) | [eRHIC](#) | [HEP](#) | [HENP](#) | [NSRL](#) | [TANDEM](#) | [RHIC](#)

[Foreign News](#) | [Housing Info](#) | [User Updates](#)

[Association of Students and Post-docs](#) | [Thesis Award](#)

[Computer / E-mail](#) | [DUFA](#) | [Financial Accounts](#)

[ESOL](#) | [Hospitality](#)



**Open Forum - January 14, 2005**

**RHIC & AGS Annual Users' Meeting  
May 9 through May 13, 2005**

**Identification Statement**

**New Laboratory Gate Access Procedures**

**Wireless Access**



# User Updates

AUGUST 25, 2004

Feature Topic:

## NEW LABORATORY GATE ACCESS PROCEDURES

Effective September 7, 2004, the Safeguards & Security Division at Brookhaven will implement new gate access procedures that the user community needs to be aware of. The changes are being implemented in order to comply with DOE regulations and/or meet Brookhaven's training requirements. The procedures below are a subset of the entire list of changes being implemented and only include the changes that will directly affect the users.

Guests will see the following changes at the main gate:

- All individuals holding a "Guest" photo ID badge must access the site through the main gate only.
- All guests and contractors, including U.S. citizens with "USA" on their current badges, will have their badges scanned as they enter the main gate.
- Guests are asked to use the right lane when two entry lanes are in use.

Changes are also being made to the Visitor Notification Form. The Visit Notification Form is a mechanism used to provide gate access to individuals who do not hold a BNL photo ID badge. Example would include delivery, service, and maintenance personnel; visitors coming to Brookhaven for < 3 days (e.g., to attend a one-day meeting); new employees and guests on their first arrival date to Brookhaven; in cases where a guest BNL photo ID badge has expired but the guest has approval for site access; and gate access for family members.

Although many changes will take effect with the Visit Notification Form, only two changes will have a direct effect on users. These changes are:

- Guests will no longer have access to the Visitor Notification Form. Access to this form will be limited to BNL and Brookhaven Site Office employees or points of contact for contract employees. Site access requests for family members of guests will be handled through the Users' Center. Site access requests for non-family members will be handled through your hosting department (e.g., Physics, Chemistry, Medical, C-AD).
- New temporary gate access cards issued at the main gate will include a photo.

Users should contact the Users' Center at [userscenter@bnl.gov](mailto:userscenter@bnl.gov) or by phone at 631-344-5975 with questions. The staff is available to help you. Your assistance in helping Brookhaven implement these new requirements is appreciated.

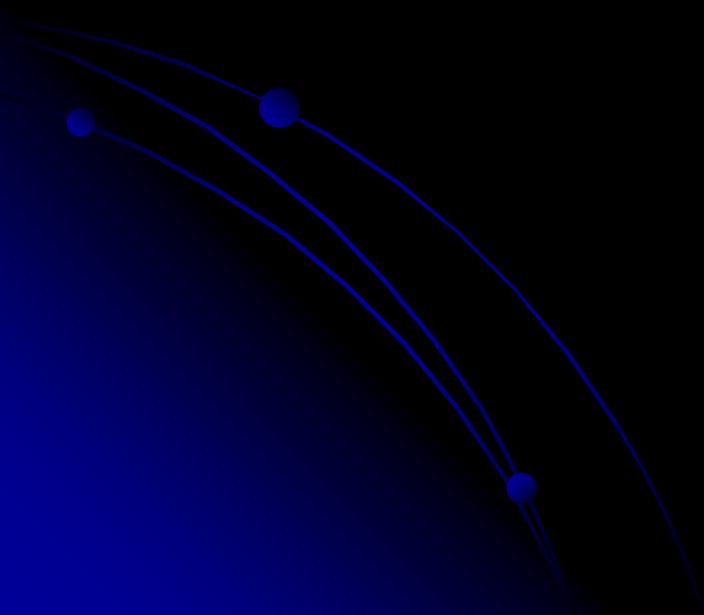
**BROOKHAVEN**  
NATIONAL LABORATORY

Questions and/or comments on this issue of Users' Updates should be directed to: Susan White-DePace, 631-344-7959 or [swd@bnl.gov](mailto:swd@bnl.gov).

Questions:  
Contact Susan.

# Issues Raised at the DNP Open Forum

3. Request for an archive on the web that contains all past emails sent to RHIC.
  - This is there (and has been so for a long time)



# Issues Raised at the DNP Open Forum

4. Question of safety on the site – especially in relation to the reported sexual assault.
    - An email was sent to Users right after this request was made.
- Earlier talk: Lenny Butera on Safety at BNL

# Issues Raised at the DNP Open Forum

5. Could there be more lighting placed on Railroad Avenue (as a safety-at-night issue)?
  - There is a limited GPP plant upgrade project fund. All proposals of this type are put on this project list.
  - From Peter Bond: The roll-up of all the safety suggestions is being made and evaluated and then we will systematically address as many as possible. Lighting at various places on site is one of the issues

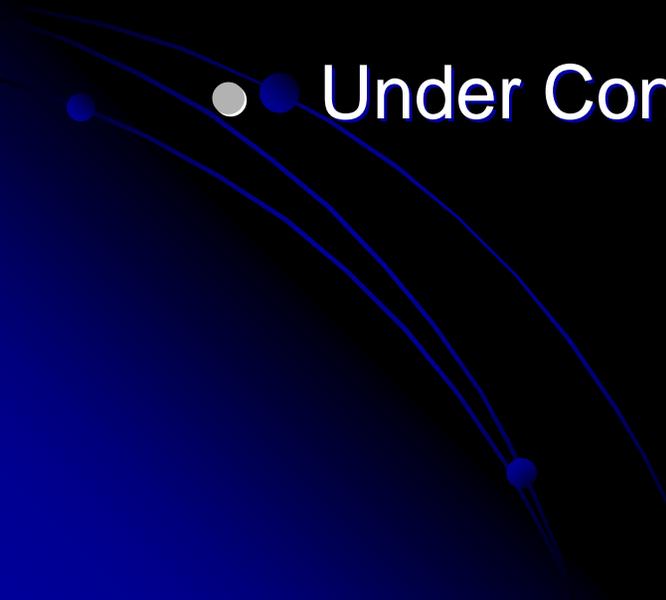
# Issues Raised at the DNP Open Forum

6. Suggestion that the UEC and RHIC Users Group Office get more organized in encouraging all RHIC people to also join the DNP.
  - The UEC needs to discuss this carefully.
  - Not a RHIC Users Center Office Issue, although Susan's office may be able to help.
  - One issue to consider is that BNL cannot engage in any lobbying. Move it off site....?

# Issues Raised at the DNP Open Forum

7. Suggestion that perhaps the UEC should also get more involved in making sure that there are nominations for RHIC speakers at APS and DNP meetings .

● Under Consideration.



# The UEC Does Listen!

- Take advantage of the RHIC & AGS Open Forum meetings.
  - They provide a concrete conduit for communication as we strive to continually improve all aspects of our Scientific “life” at BNL.
- 