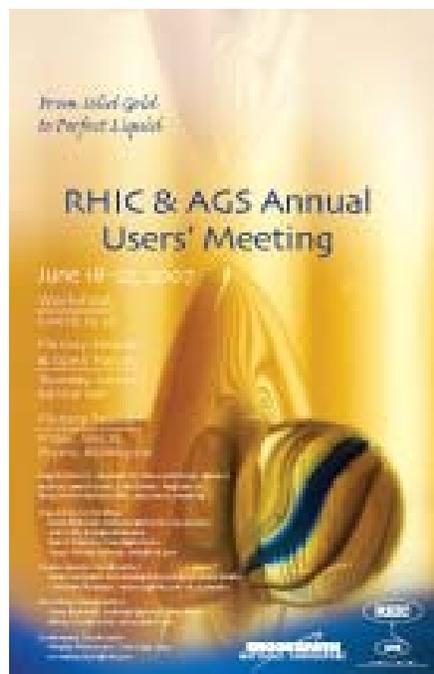


# Program Of Workshops & Plenary Sessions



And other pertinent information

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# Workshop 1 – Monday, June 18, 2007

## Probing the nucleon's spin structure with longitudinally polarized beams

Location: Berkner Hall, Room B, Bldg. 488  
 Date: Monday, June 18, 2007  
 Organizers: Frank Simon and Alexander Bazilevsky  
 Time: 9 a.m. to 5:30 p.m.

### Agenda

09:00 - 09:10	Welcome	A. Bazilevsky & F. Simon
09:10 - 09:50	Theoretical Overview	M. Stratmann, RIKEN
09:50 - 10:20	Polarized Beams at RHIC	M. Bai (BNL)
10:20 - 10:50	RHIC Polarimetry	I. Nakagawa (RIKEN/BNL)
10:50	Coffee Break	
11:10 - 11:50	Recent PHENIX Results	K. Boyle, SUNY Stony Brook
11:50 - 12:30	Recent STAR Results	M. Sarsour, Texas A&M
12:30 - 13:50	Lunch	
13:50 - 14:30	JLAB Overview	S. Buehlmann, Old Dominion
14:30 - 15:10	Recent HERMES Results	P. Liebing, BNL
15:10 - 15:50	Recent COMPASS Results	R. Kuhn, TU Munich
15:50	Coffee Break	
Discussion on future Analysis Challenges at RHIC:		
16:10 - 16:40	Prospects for Photon and Photon-Jet measurements in STAR	J. Webb, Valparaiso
16:40 - 17:05	PHENIX opportunities with direct photons and heavy flavor	Y. Goto, RIKEN/RBRC
17:05 - 17:30	kT asymmetries in longitudinally polarized pp collisions	D. Fields, New Mexico
17:30	Adjourn	

# Workshop 2 – Monday, June 18, 2007

## Bulk and medium properties in heavy ion collisions at RHIC and RHIC-II

Location: Large Seminar Room, Bldg. 510 (Physics)  
 Date: Monday, June 18, 2007  
 Organizers: Sergei Voloshin and Dave Morrison  
 Time: 9 a.m. to 5:15 p.m.

### Agenda

09:00 - 09:15	Introduction	D. Morrison
09:15 - 10:00	Multiparticle correlations	N. Borghini
10:00 - 10:30	3-particle correlations	C. Pruneau
10:30 - 11:00	Viscosity	N. Demir
11:00 - 11:15	Coffee Break	
11:15 - 11:45	Flow and Flow Fluctuations	A. Tang
11:45 - 12:15	Short lived resonances	S. Dash
12:15 - 13:30	Lunch	
13:30 - 14:00	Eccentricity and $v_2$	T. Lappi
14:00 - 14:45	PHENIX Overview	N. Ajitanand
14:45 - 15:30	STAR Overview	L. Ruan
15:30 - 15:45	Coffee Break	
15:45 - 16:30	PHOBOS Overview	P. Steinberg
16:30 - 17:15	BRAHMS Overview	D. Pal
17:15 - end	Discussion	

# Workshop 3 – Tuesday, June 19, 2007

## Probing the nucleon's spin structure with transversely polarized beams

Location: Seminar Room, Bldg. 463 (Biology)  
 Date: Tuesday, June 19, 2007  
 Organizers: Mickey Chiu and Akio Ogawa  
 Time: 9 a.m. to 5 p.m.

### Agenda

Time/Length		
09:00/30+5	Transverse Spin Sum Rule	Larry Truman
09:35/20+5	Chiral Odd Fragmentation Functions from the Belle Experiment	Matthias Grosse-Perdekamp
10:00/30+5	Recent Hermes and Compass Results	Ralf Seidl
10:35/15	Coffee Break	
10:50/30+5	Cos <sup>2</sup> phi asymmetry for future SIDIS, e <sup>+</sup> e <sup>-</sup> , and Drell-Yan plus TSSA's	Leonard Gamberg
11:25/30+5	Collins Asymmetry at RHIC	Feng Yuan
12:00	Lunch	
02:00/30+5	Violation of Factorization in Hadron-Hadron Collisions	Jianwei Qiu
02:35/30+5	Recent BRAHMS Results	J. H. Lee
03:10/15	Coffee Break	
03:25/20+5	Dijet Asymmetry Measurements in STAR	Steve Vigdor
03:50/30+5	Recent STAR Results	Len Eun
04:25/30+5	Recent PHENIX Results	Han Liu

# Workshop 4 – Tuesday, June 19, 2007

## Hard Probes of Nuclear Collisions at RHIC

Location: Lg Seminar Room, Bldg. 510 (Physics)  
Date: Tuesday, June 19, 2007  
Organizers: James Dunlop and Brian Cole  
Time: 9 a.m. to 5:50 p.m.

## Agenda

Introductory Session	Start Time	Length	Speaker
PHENIX High-pt	9:00:00 AM	:40	David Winter
Star High-pt	9:40:00 AM	:40	Oana Catu
Coffee Break	10:20:00 AM	:25	
Radiative/collisional energy loss, geo	10:45:00 AM	:40	Aszfar Adil
Forward physics at RHIC	11:25:00 AM	:30	Ramiro Debbe
Single particle (expt)	11:55:00 AM	:25	Stefan Bathe
Lunch	12:30:00 PM	1:30	
Single direct photon	2:00:00 PM	:30	Takao Sakaguchi
heavy flavor (expts)	2:30:00 PM	:30	Manuel Calderon
Di-hadron suppression (expt)	3:00:00 PM	:30	Joern Putschke
Coffee Break	3:30:00 PM	:20	
Di-jet modification (expt)	3:50:00 PM	:30	Wolf Holzmann
photo-hadron (expt)	4:20:00 PM	:30	Saskia Mioduszewski
Discussion	4:50:00 PM	:45	

# Workshop 5 – Wednesday, June 20, 2007

## The future of RHIC spin and the physics of eRHIC

Location: Seminar Room, Bldg. 463 (Biology)  
 Date: Wednesday, June 20, 2007  
 Organizers: Ernst Sichtermann and Ralf Seidl  
 Time: 9 a.m. to 5 p.m.

### Agenda

9:00 - 9:30	Status of quark helicities and fragmentation functions	Marco Stratmann
9:30 - 10:00	Status of transverse Spin Physics	Feng Yuan
10:00 - 10:30	Coffee Break	
10:30 - 11:00	Theoretical aspects of polarized W physics	Werner Vogelsang
11:00 - 11:30	Polarized sources in RHIC	Anatoli Zelenski
11:30 - 12:00	Collider aspects of the polarized beams at RHIC	Vadim Ptitsyn
12:00 - 13:30	Lunch	
13:30 - 14:00	Upgrades to the STAR detector	Zhangbu Xu
14:00 - 14:30	Upgrades to the PHENIX detector	TBA
14:30 - 15:00	transverse momentum dependent functions in DY	Leonard Gamberg
15:00 - 15:30	Coffee Break	
15:30 - 16:00	DY measurements at RHIC II	Matthias Grosse-Perdekamp
16:00 - 16:30	EIC spin physics	Bernd Surrow
16:30 - 17:00	Discussion	

# Workshop 6 – Wednesday, June 20, 2007

## Heavy Flavor and Quarkonia Production

Location: Large Seminar Room, Bldg. 510 (Physics)  
Date: Wednesday, June 20, 2007  
Organizers: Ralf Averbeck and Frank Laue  
Time: 9 a.m. to 5:15 p.m.

### Agenda

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Time	Speaker	Title
9:00 – 9:35	Peter Petreczky	Quarkonia on the lattice
9:35 – 10:10	Agnes Mocsy	Can quarkonia survive deconfinement?
	Coffee break	
10:30 – 11:05	Sasha Lebedev	Quarkonia production at PHENIX
11:05 – 11:40	Pibero Djawotho	Quarkonia production at STAR
11:40 – 12:15	Axel Drees	Heavy flavor at SPS (NA60)
	Lunch	
14:00 – 14:35	Sergey Butsyk	Open heavy flavor with the PHENIX detector
14:35 – 15:10	Jaro Bielcik	Open heavy flavor with the STAR detector
15:10 – 15:45	Ramona Vogt	Heavy flavor and quarkonia production in perturbative QCD
	Coffee break	
16:05 – 16:40	Magdalena Djordjevic	Heavy quark energy loss at RHIC
16:40 – 17:15	Ivan Vitev	Heavy mesons in dense QCD matter
	Adjourn	

# Workshop 7 – Wednesday, June 20, 2007

## Non-RHIC related Nuclear and High Energy Physics at BNL

Location: Small Seminar Room, Bldg. 510 (Physics)  
Date: Wednesday, June 20, 2007  
Organizers: Gerco Onderwater and Yannis Semertzidis  
Time: 9 a.m. to 12:30 p.m.

## Agenda

09:00 - 09:30	Work at the accelerator test facility (ATF) of BNL related to the International Linear Collider	Vitaly Yakimenko (BNL)
09:30 - 10:00	The muon g-2 experiment: a comprehensive update	Bill Marciano (BNL)
10:00 - 10:30	Electric dipole moments (EDMs) as sensitive probes of physics beyond the SM	Adam Ritz (Univ. of Victoria/Canada)
10:30 - 11:00	Coffee break	
11:00 - 11:30	The deuteron EDM experiment at BNL	Ed Stephenson (IUCF)
11:30 - 12:00	Long Baseline neutrino oscillations	Milind Diwan (BNL)
12:00 - 12:30	Muon Collider: an update	Robert Palmer (BNL)

# Workshop 8 – Wednesday, June 20, 2007

## Education & Outreach Workshop

Date: Wednesday, June 20, 2007

Organizers: [Scott Bronson](#)

Time: Afternoon Session

Location: RSB Conference Rooms 1 & 2, Building 400

Summary:

### **Modern Hands-on Physics Communication**

This workshop is meant to introduce communities across the Laboratory to modern physics education and outreach developments that make science communication fun and interactive. Participants will learn about:

- Developing weeklong courses at BNL for science educators to work and learn with scientists on site.
- Promoting teacher and student participation in large-scale international physics experiments – from detector construction to data collection and interpretation.
- Using videoconferencing and other cyber technologies to enable new modes of data transfer and analysis for unprecedented classroom access to large-scale experiments.

# Agenda

## *RHIC & AGS Annual Users' Meeting*

Plenary Session  
Thursday, June 21, 2007  
Berkner Hall, Bldg. 488

### **08:30 Plenary Session IA -- Heavy Ion Results**

Chair: John Hill

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08:30 - 08:45	Welcome Address by the UEC chair	John Hill (Iowa State)
08:45 - 09:15	Measurements of bulk properties	Richard Hollis (UIC)
09:15 - 09:45	Energy loss in Heavy Ion Collisions	Jana Bielcikova (Yale)
09:45 - 10:15	Medium response measurements	Michael Daugherty (UT Austin)
10:15 - 10:45	Results on quarkonia and heavy flavor production	Xie Wei (RBRC/BNL)

10:45 - 11:00 Break and Poster Session

### **11:00 Plenary Session IB -- Heavy Ion Results**

Chair: Tim Hallman

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11:00 - 11:30	Electromagnetic radiation in Heavy Ion Collisions	Stefan Bathe (UC Riverside)
11:30 - 12:00	RHIC machine performance in Runs 6 and 7	Angelika Drees (BNL)
12:00 - 12:20	Run-7 update STAR	Jeff Landgraf (BNL)
12:20 - 12:40	Run-7 update PHENIX	Mike Leitch (LANL)

### **12:45 - 02:00 Lunch and Open Forum**

Chair: Rene Bellwied

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Grab some lunch and find a seat

# Agenda

## *RHIC & AGS Annual Users' Meeting*

Plenary Session  
 Thursday, June 21, 2007  
 Berkner Hall, Bldg. 488

**02:00                    Plenary Session II-- RHIC spin physics**

Chair: Barbara Jacak

02:00 - 02:45	Longitudinal polarization results	Sasha Bazilevsky (BNL)
02:45 - 03:30	Transverse polarization results	Hiromi Okada (BNL)

**03:30                    Plenary Session III -- Statements of Laboratory and Funding Agencies**

Chair: Rene Bellwied

03:30 - 04:00	View from the Laboratory management	Peter Bond (BNL)
04:00 - 04:15	Thesis award	Sam Aronson (BNL)
04:15 - 04:40	Break and Poster Session	
04:40 - 05:00	DoE, Office of Nuclear Physics	Dennis Kovar
05:00 - 05:20	DoE, Heavy Ion Physics	Gulshan Rai
05:20 - 05:40	DoE, Spin Physics	Brad Tippens
05:40 - 06:00	NSF	Ani Aprahamian
06:00 - 06:15	Election Results	Rene Bellwied (Wayne State)
06:15 - 07:00	Poster Session	
07:00	Cocktail Hour at Andrews by the Pond - compliments of BSA Dinner following Cocktail Hour (Andrews by the Pond) - <b><i>reservations were required</i></b>	

# Agenda

## *RHIC & AGS Annual Users' Meeting*

Plenary Session  
 Friday, June 22, 2007  
 Physics Large Seminar Room, Bldg. 510

**09:00            Plenary Session IVA-- Invited Physics Talks**

Chair: Rene Bellwied

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- |               |  |                             |
|---------------|--|-----------------------------|
| 09:00 - 09:30 | news from non-RHIC related experiments | Gerco Onderwater (KVI)      |
| 09:30 - 10:15 | The eRHIC physics case                 | Abhay Deshpande (SUNY @ SB) |
| 10:15 - 11:00 | Low energy physics with RHIC           | George Stephans (MIT)       |
| 11:00 - 11:15 | 15 minute break                        |                             |

**11:15            Plenary Session IVB-- RHIC Upgrade plans**

Chair: Brant Johnson

- 
- |               |   |                       |
|---------------|---|-----------------------|
| 11:15 - 11:45 | STAR physics and upgrade plans for low energy running and RHIC-II   | Jim Thomas (LBNL)     |
| 11:45 - 12:15 | PHENIX physics and upgrade plans for low energy running and RHIC-II | Ed O'Brien (BNL)      |
| 12:15 - 01:00 | CAD talk on low energy, RHIC-II and eRHIC running                   | Wolfram Fischer (BNL) |

01:00 - 02:15 Lunch Break

**02:15            Plenary Session V -- Future Perspectives**

Chair: Abhay Deshpande

- |               |                                    |                      |
|---------------|------------------------------------|----------------------|
| 02:15 - 03:00 | RHIC-II physics overview           | Ivan Vitev (LANL)    |
| 03:00 - 03:30 | Status of the NSAC Long Range plan | Thomas Ullrich (BNL) |
| 03:30 - 04:00 | The future of BNL                  | Sam Aronson (BNL)    |
| 04:00 - 04:10 | Poster award                       | Sam Aronson (BNL)    |

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4:10- 4:30	Closing remarks	John Hill (Iowa State)
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# NETWORK ACCESS FOR CONFERENCE GUESTS

Wireless networks are provided around the Laboratory.

Conference attendees often bring their laptops and PDA's to the Laboratory, and need network access to their home institutions. In order to know what devices are on our networks we must obtain some basic information on these devices to meet cyber security requirements.

Conference guests bringing their own network devices must register them in BNL's Network Access Registration database. The registration process requires a valid, BNL-assigned life number or guest number. While this works well for normal operations, it has proven problematic for attendees of short-term conferences who have not been assigned a guest number. To remedy this, a unique "conference key" has been created to use in place of a guest number during the registration process. **Conference Key assigned to RHIC & AGS Annual Users' Meeting = DB-13322**

Regardless of your status at the Lab, all guests need to be made aware of the registration process.

It is also important that you understand that many computing devices that use wireless network cards will attempt to connect to any available network as soon as the computer is powered on. Because of this, open your web browser and complete the registration form as soon as possible to avoid unnecessary termination of your network access.

See next page for instructions.

For more information on BNL's Network Access Registration process, visit <http://register.bnl.gov>. If you experience problems, please contact the ITD Help Desk, Ext. 5522.

## **BNL Computer Registration Instructions**

BNL policy requires that all computing devices connected to BNL's network be registered in our Network Access Registration system. If you will be using a computer (laptop, PDA, etc.) to access the internet or any of BNL's networked resources while on-site, and that computer has not been previously registered at BNL, your web browser traffic will be redirected to a web page requesting information about you and your computer. This form **MUST** be completed and submitted within 30 minutes of booting your computer, or your network access will be terminated. To begin this process, simply open your web browser once you have connected.

To aid you in the registration process, below is a list of the required fields and the information you will need to enter. Completion of fields **not** listed in these instruction is preferred, but not required.

**Owner/Primary User Name:**

Enter your name in LastName-comma-FirstName format (e.g. Doe, John).

**Owner/Primary User Phone:**

Enter: 5322

**Owner/Primary User E-mail:**

Enter your e-mail address.

**Owner/Host Life/Guest Number:**

Enter the following conference key: DB-13322

**Department:**

Select DIRECTORATE - NUCLEAR AND PARTICLE PHYSICS from the drop down list provided.

**Building Number or Name:**

Enter: 463, 488, or 510

**Room Number or Name:**

Enter: Seminar Room, Room B, or Large Seminar Room

**System Type:**

Select the system type that best fits your device. If you're unsure, leave the default of WORKSTATION.

**Operating System:**

Select your computer's operating system from the list provided. If you are unsure, you may select UNKNOWN. If your operating system is not listed, select OTHER.

**Secondary Operating System:**

The default of NONE is acceptable.

Any other fields on the form will be optional, and can be left blank. Should you experience any difficulties during the registration process, please call our Helpdesk at lab extension 5522.

## Building 463 & 463B Directions to Biology (Conference Facilities)



Biology Building

Click building image to view larger image...

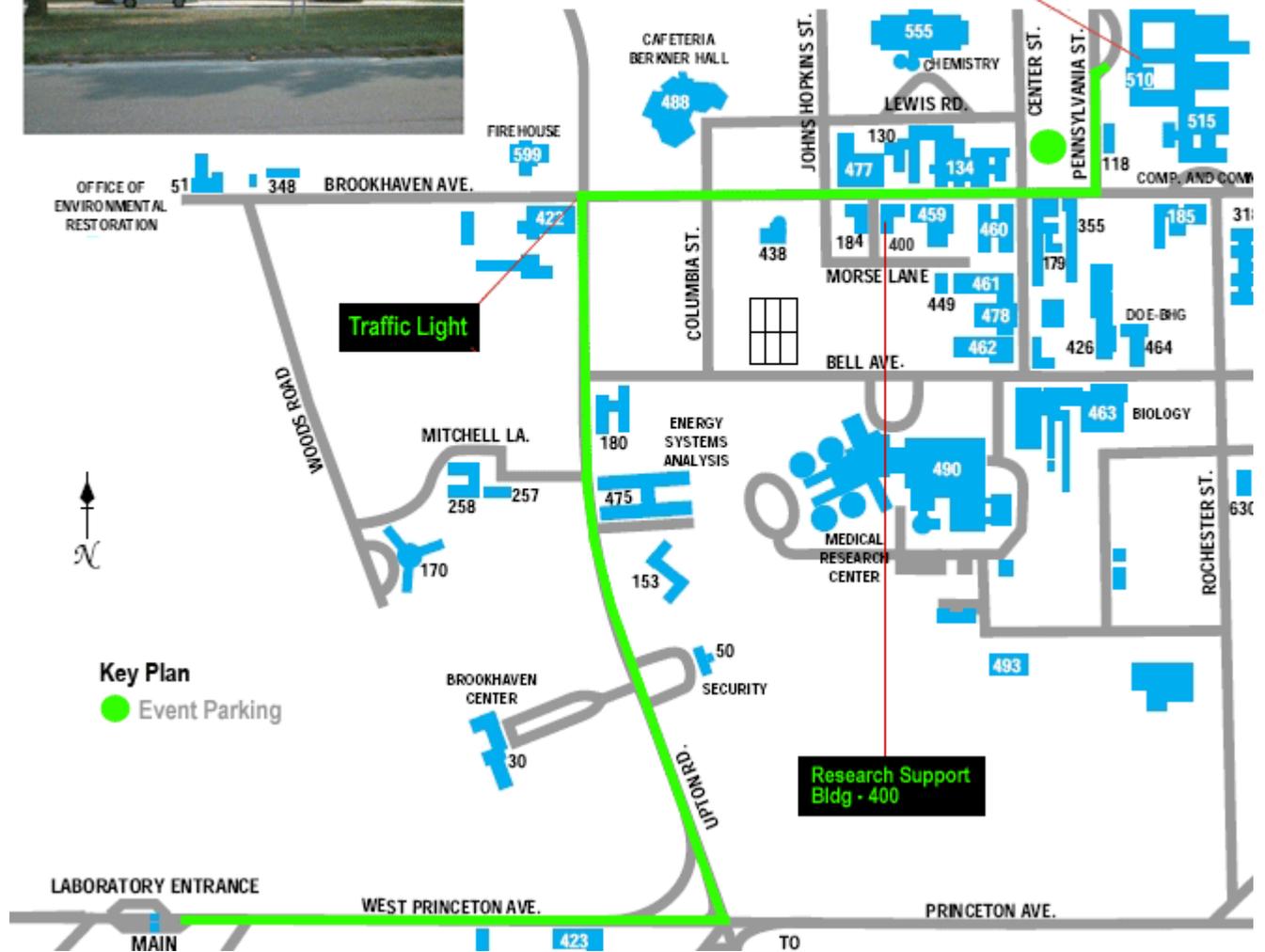


# Large & Small Seminar Rooms are located in Building 510, Physics



Click building image or map to view larger image...

Click 510 to view Floor Plan

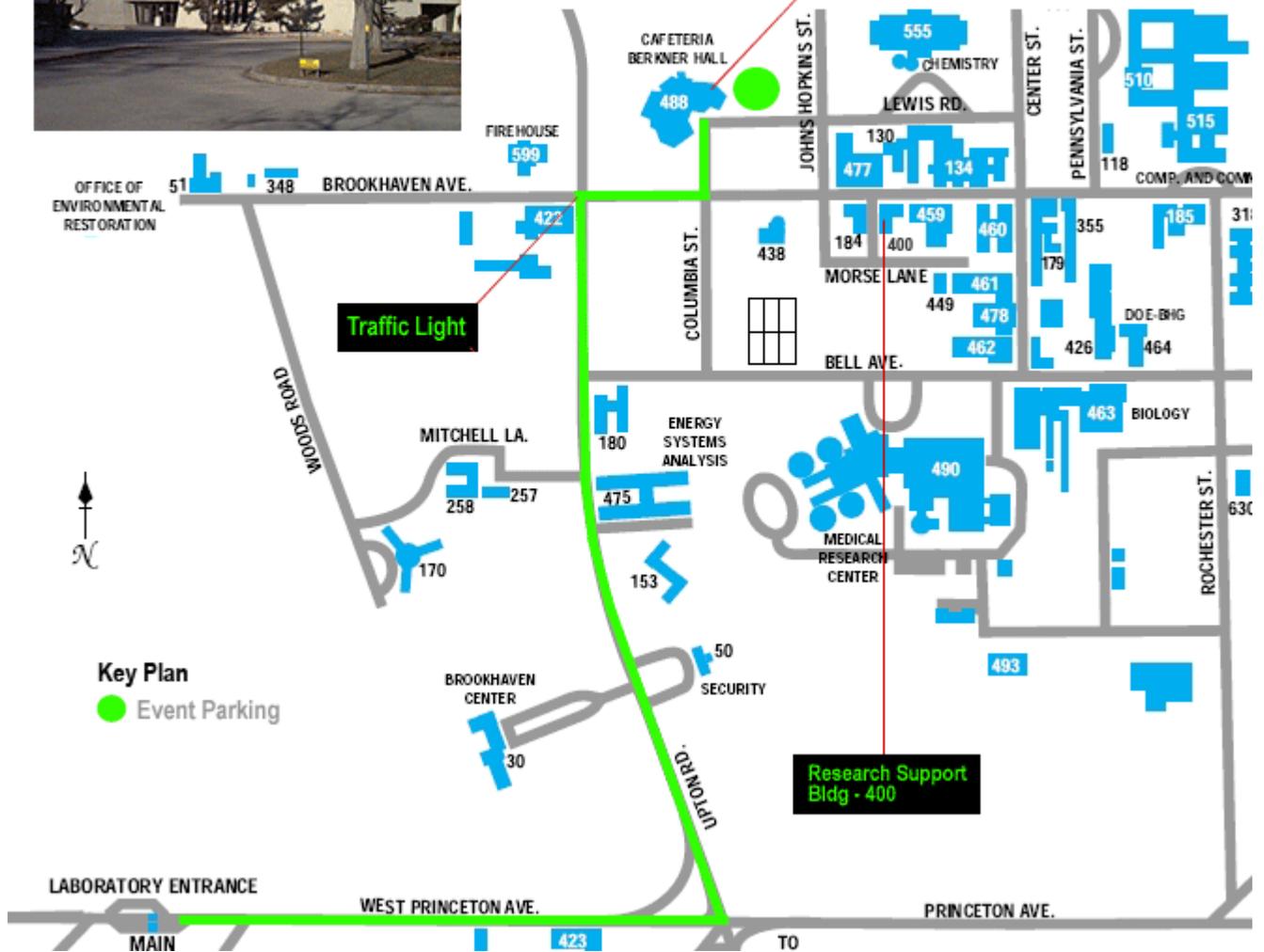


# Room B and Auditorium at Berkner Hall is located in Building 488



Click building image or map to view larger image...

Click 488 to view Floor Plan



Cocktail Hour at Andrews by the Pond - compliments of  
BSA – at 7 p.m.

Dinner following Cocktail Hour (Andrews by the Pond) -  
***reservations were required***



Andrew's By The Pond  
2028 North Country Road  
Wading River, NY 11792  
631-929-3900

#### Directions from the Long Island Expressway

Take the LIE to exit 68. Follow the signs for William Floyd Parkway North. Take William Floyd Parkway all the way to the end. Follow sign to Wading River. You will then be heading east on Rte 25a. Proceed down Rte 25a until you reach Wading River - Manor RD , Make a Left- continue past St. John's the Baptist Church on right and Wading River Fire Department on the left, follow to the Duck Ponds on the Left side, Andrew's by the Pond is on the Right.