

Particle Post November 2006



Thanksgiving, after all, is a word of action.

~W.J. Cameron

Lobby decorated by Ann Luhrs with assistance from Paul Sparrow. Photo taken by Ripp Bowman.

To review previous issues

A Note From Our Chairman



On the safety front we have lost our perfect record. Unfortunately, a staff member was struck by a bookcase shelf while removing an item from the shelf, and resulting in a severe cut. I would like everyone to make sure that they understand what happened. See the ESHQ folks for more information and then inspect your area for any similar problem.

On the fiscal front, we are in an austerity mode until Congress decides upon the FY2007 budget. Lots of good words but no action, since everyone is off trying to get reelected. The good news is that under the present worst possible version of the 2007 budget, C-AD will not be instituting a reduction in force. At present we are in a selective hiring mode.

We have successfully completed the NSRL run. The experiments received the beam and doses requested and on time. Congratulations to the NSRL team and MCR for doing their usual superb job.

This is the time of the year for appraisal and salary review. Please make sure that you complete your accomplishments and appraisals on time.

As you probably all know by now, we will be starting up with a gold-gold run when we know the budget. This will likely follow with a polarized proton run.

The next NSRL run is dependent upon the RHIC schedule. We need one tandem to supply ions for NSRL. If both are used by RHIC, such as for a deuteron-gold run, we would not be able to supply the usual ion species for NSRL. This would result in a delay for NSRL and likely an extended summer run for the radiobiology program.

Administration



BNL's Nuclear Physics' program guidance for November restored \$15.2M in RHIC operating funds for C-AD bringing us to within \$2.2M of the Presidential Budget of \$115.7M. This is good news but not money you can take to the bank. It does, however, signal DOE's confidence that the soon to be created Office of High Energy Density Physics will not impact funding for RHIC Operations.

As we await a final appropriations bill, we continue to hold off on all but essential purchases and prepare for a 30 week cryo run beginning on December 1st. Spending on E-Cooling R&D is constrained as well, and EBIS Project personnel anxiously await the arrival of \$7.4M in FY 2007 DOE construction funding.

Administrative news includes the placement of our first purchase order using PPM's recently implemented E-Procurement system, an on-line catalog system for order entry. The system was implemented in June 2006 as an alternative to the credit card system. The order process is totally electronic and does not require any action by PPM personnel until the material is delivered. Fischer Scientific is the only catalog currently available. Once catalogs offering items commonly used in C-AD are made available, we will organize introductory and training sessions for users. In the meantime, if you need to order from Fischer Scientific, Ann Lamberti and Steve Bubka are available to assist you.

And in closing, please be reminded that Laboratory management recommends that each employee enter all hours worked on a weekly basis. Both DOE and BSA feel strongly that daily entry would provide the most reliable data. The Laboratory has successfully argued that weekly entry is adequate, however, if we, as a Laboratory, continue to demonstrate non-compliance with the "suggested" weekly entry schedule, more stringent requirements may be implemented.

On a future g-2 run—an obituary?

We have just learned that a national committee which makes recommendations to the Particle Physics part of DOE has given a future g-2 run 4th priority, which makes a new run very unlikely. There are discussions going on about how to leave the equipment—mothball or decommission. At the same time, the theoretical value for muon g-2 is now (actually soon to be, after publication of new results from Novosibirsk, Russia) more that 3 standard deviations below our measured

value. The theoretical value for muon g-2 has parts from each of the forces, excluding gravity: electromagnetism, the strong interaction, and the weak interaction. The deviation between theory and experiment tests whether our understanding of the forces at work in our world is complete or not. We (the members of CAD, Physics, many others at BNL, and our experimental collaboration from all over the world) have pushed this test to a new level of sensitivity, and we observe that the answer is likely “not.” This is an exciting answer, and we had proposed to extend our measurements, expecting about a factor of 2 improvement in the comparison between theory and experiment. Anyway, whether or not in the future we do a new experiment, this one was a great success. This success, measuring the muon g-2 value to $\frac{1}{2}$ a part in a million, was due to all of our contributions.

Gerry Bunce, Bill Morse, Yannis Semertzidis

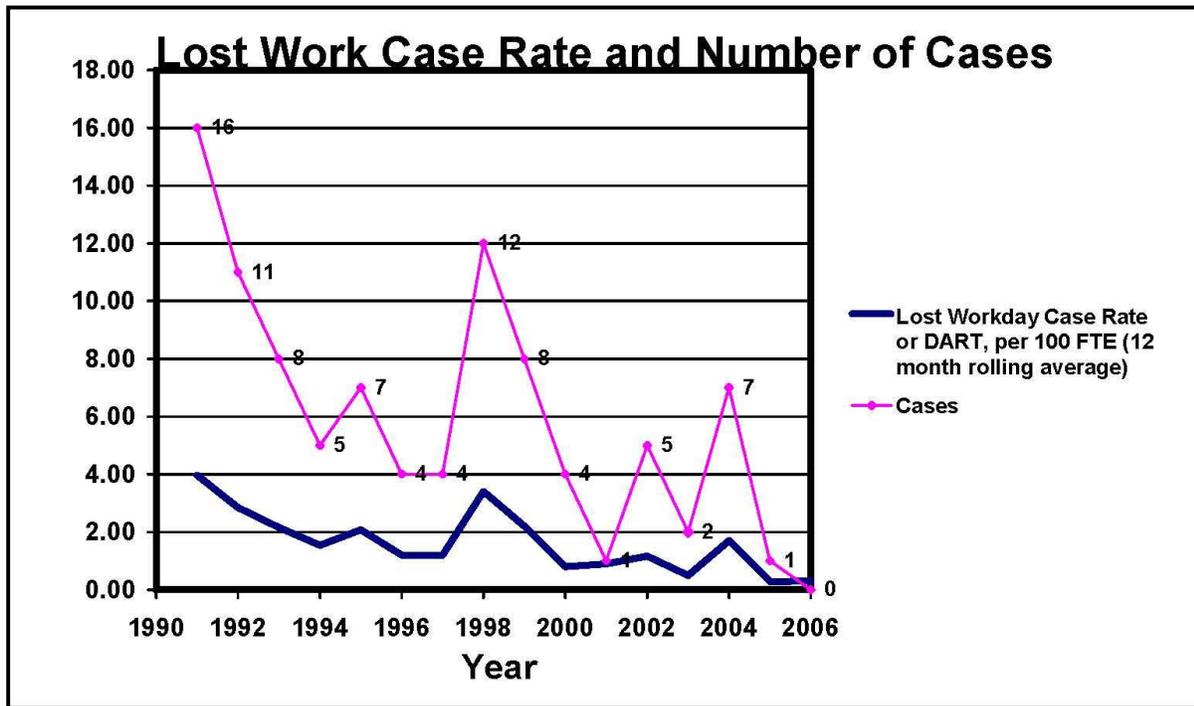
United Way

This month we kickoff the 2006 BNL United Way campaign, and Molly Scannell and I are happy to be your co-Captains. We'd like to let you know about the upcoming events we're planning. To encourage some friendly competition between the floors, there will be 3 boxes for clothing donations in the lobby, one for each floor. Those not housed in 911 can pick their favorite floor, and really competitive people from 911 should...make friends with them. We'll weight the receipts by the qty of people on each floor, and the owners of the winning box (at the end of the month) will enjoy a bagel breakfast.

In the next few weeks we'll send out emails about some other events – Doughnuts & 3 Stooges in Snyder, a bakeoff, and some others still in the planning stage.

Kerry Mirabella & Molly Scannell

Safety Stats



C-AD Occupational Injury Statistics

	For Year* 2005	For Year* 2006
First Aid Cases	1	0
Recordable Cases	4	4
Lost Work Cases	1	1

* Calendar Year

REMINDER: TLD exchange is done the FIRST FRIDAY of the Month.

NEXT EXCHANGE: Friday, DECEMBER 1, 2006

Pete Cirnigliaro



Arrivals

Mr. Lawrence Carboni joined the department on Monday, November 6, working with **Bill Venegas** in the Controls Division.

Mr. Jesse Fite joined the department on Monday, October 30, working with **Joe Tuozzolo** in the Mechanical System Group.

Mr. Gary Polonski joined the department on Monday, October 2, working with **Andy Warkentien** in the Cyrogenic Systems Group.

Mr. Peter Zimmerman joined the department on Monday, October 2, working with **Bill Venegas** in the Hardware Group of the Controls Division.

WELCOME!!

Organizational Update

Raymond Atkins has moved from the Access Controls Group to the Instrumentation & Beam Components Group.

Edward Ulrich has moved from the Collider Mechanical Group to the Survey Group.

Transfer

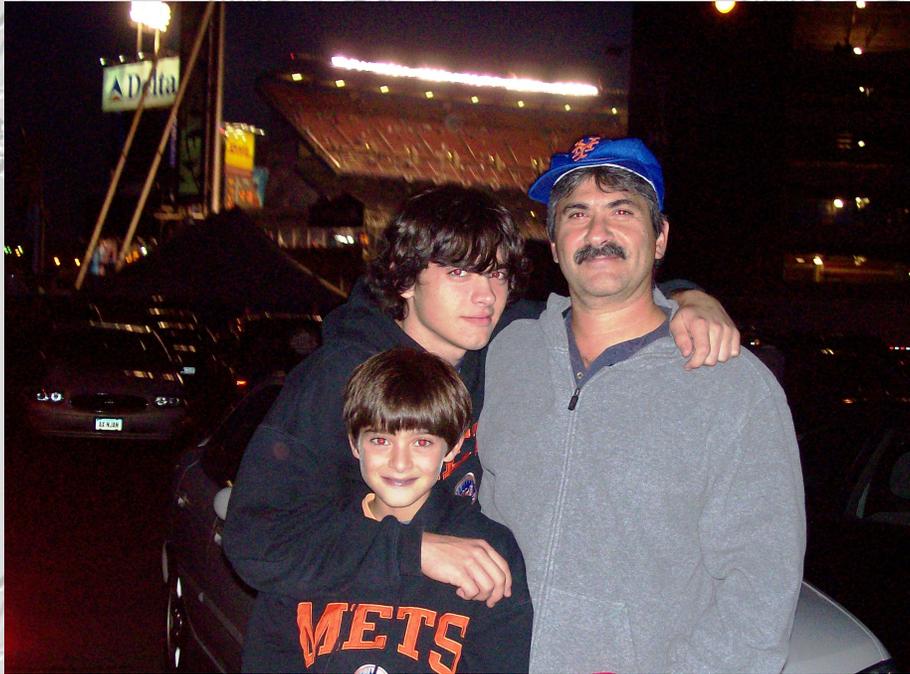
Rudy Alforque, Mechanical System Group has transferred to the NSLS II effective 11/1.



Get To Know Your CoWorker

John Benante, has worked for the Laboratory for 27 years. He is currently assigned to the Operations and Maintenance Support Group. John is the C-A Deputy Maintenance Coordinator, he coordinates the efforts of the technical support groups for the operation of the C-A machines. John is also the RHIC tunnel and support buildings manager. John also acts as a representative

for the department on union matters. John has also worked for the g-2 - AGS and the Magnet Division. He was the technical supervisor for construction of the g-2 Project, and was the technical supervisor for the AGS cryo (Target Group). John started in the Magnet Division, building magnet coils for ISABELLE. In John's down time he enjoys coaching baseball and playing golf. John and wife Donna have been together for nineteen years and have 3 children, two sons: JT, 15 and Ryan, 11, and a daughter, Nicole, 7 years old. John's sons like playing baseball and going to Met games. John's daughter likes being a cheerleader. And they all like going to Disneyworld. John was born in Queens and grew up in Rocky Point where they now have all lived for the past fifteen years.



Did You Know?

October 10, 2006

NORTHEAST REGIONAL COUNTERINTELLIGENCE OFFICE

TRAVELING WITH ELECTRONIC EQUIPMENT

According to FBI statistics, one out of every ten laptops will be stolen within the first twelve months of purchase, and 90% of them will never be recovered. Statistics for 2004 found that due to laptop thefts, the losses totaled over \$6.7 million.

This bulletin is being provided as specific awareness information to assist you in avoiding being a victim of laptop theft, and also to help you protect your information while on travel.

When a laptop is stolen, you don't know if it was taken for the value of the computer itself or the information contained on the computer. The cost and inconvenience of laptop computer theft is significant, but when combined with the potential loss of sensitive information (i.e., government, commercial, or scientific data) the loss can be that much more devastating.

Laptops that are taken on travel outside the US are even more vulnerable to theft and unauthorized access. It is recommended that travelers avoid taking a laptop on foreign travel unless it is legitimately necessary and if it is, then we are providing the following information/tips:

TRAVELING TO A DESTINATION

Airports and other venues of public transportation offer an inviting atmosphere for thieves due to large amounts of people, hectic schedules, crowds and delays at security checkpoints, and weary travelers. Laptop thefts commonly happen in places where people set them down and they may be out of their direct control, e.g., security checkpoints, pay phones, lounges, restaurants, check-in lines, and restrooms.

Note: The FBI reported that in 2002 laptops have been targeted and stolen at airports while individuals are going through the security checkpoint. The report indicated that when travelers put the laptop on the conveyor belt of an x-ray machine they have been purposely delayed in getting through the metal detectors by an individual(s) in front of them and the laptop which has already gone through the x-ray machine is stolen by an accomplice waiting by the x-ray machine.

- ▶ Keep your laptop with you at all times.
- ▶ Don't put your laptop in checked baggage.
- ▶ Be aware of scams that are conducted by diversions or disturbances.
- ▶ Don't put the laptop on the conveyor belt until you are sure you won't be delayed.
- ▶ Consider putting your laptop in a bag that does not look like a computer case.

WHILE CONDUCTING BUSINESS

The tips below will help to maximize the protection of your laptop during foreign travel:

- ▶ Avoid connecting to any networked systems.
- ▶ Don't leave the laptop unattended.
- ▶ Be aware that foreign ISP's are monitored.
- ▶ Don't let anyone else use your laptop.
- ▶ Do not load any software offered by your hosts.
- ▶ Safeguard any media (floppies, CD's, memory sticks).

OTHER CYBER TIPS

- ▶ Choose Secure Passwords: Passwords that conform to the DOE requirements should be:

- Eight characters or more.

October 10, 2006

*NORTHEAST REGIONAL COUNTERINTELLIGENCE OFFICE***TRAVELING WITH ELECTRONIC EQUIPMENT**

- Combination of numerical and alpha.
 - Include upper and lower case letters.
 - Include at least one special character.
- ▶ **Encrypt Stored Files:** If there is a need to travel with sensitive files, encrypt them using Entrust or another approved method. (**Note:** Some foreign countries restrict encryption software and encrypted files and have been known to confiscate any electronics that contain encrypted data.)
 - ▶ **Delete and Erase Un-needed Files:** Most people's computers contain too much information. If at all possible only leave the information you need for the trip on the laptop or other electronic device.
 - ▶ **Be Aware of Shoulder Surfers:** When using your laptop in a public place, be aware that individuals might be able to peer over your shoulder and see what is displayed on the laptop. Do not display sensitive information on your laptop in any public area.
 - ▶ **Be Aware of Hotel and Other Public Internet Services:**
 - Hackers and others with malicious intent have the capability of introducing keystroke monitoring, password sniffing software, or hacker tools, via spam e-mail or web surfing, on computers and other electronic devices without your knowledge.
 - If you use the service of an Internet Café to conduct e-mail, it is recommended that you create an e-mail account outside of BNL, i.e., Hotmail, Yahoo, and advise anyone you need to contact of the e-mail address. This limits the potential of your introducing anything that might contaminate the BNL network.
 - ▶ **Thumb Drives, Memory Sticks, CD, Etc.:** Be aware of the fact that if you place your device/media into a foreign computer there is the possibility that software and files could be downloaded to your device/media. These can be transferred to your work computer or the BNL network upon return from travel. Do not connect the device to your computer or insert the media if you have a concern. Contact the BNL Counterintelligence Technical Expert for assistance.

REPORTING THEFTS AND ANOMALITIES

- ▶ If your laptop is stolen when on travel, report it to the police and to the US embassy in the country you are visiting. Upon return to BNL, report the theft to your organization, the Counterintelligence Office, and to the Cyber Security Office.
- ▶ Look for any indicators that the laptop may have been tampered with (and if so, report to the CI Office), for example:

<input type="checkbox"/> Files missing or added.	<input type="checkbox"/> The battery seems unusually low.
<input type="checkbox"/> Desktop has been rearranged.	<input type="checkbox"/> Screws are loose, damaged or missing.
<input type="checkbox"/> The laptop does not function properly.	<input type="checkbox"/> Icons are missing.
<input type="checkbox"/> Ports or connecting plugs are damaged.	

If you have identified any of the above or have concerns about your laptop or other electronic device, contact the BNL Counterintelligence Technical Expert (TE) at ext. 3001 upon your return. Do not connect the laptop or other device to any DOE/BNL network until you have consulted with the TE.

We wish all of you born in **NOVEMBER**
a happy and healthy year ahead.
Birthday people ONLY click on cake



C-AD Service Awards October

25 years	Paul Ziminski
20 years	Leonard Masi
10 years	Jian-Lin Mi

Congratulations to ALL!

Fun Time

This is the old fashion Hangman game, but this time with a new look and additional features. You can choose to play from two categories: Capitals or Countries. Upon successfully guessing the word, detailed information (including the country location, capital, neighbors, language, population and more) are revealed. Enjoy playing and enrich your knowledge.

Hangman

a- Select a category:

Capital Cities Countries

b- Activate Random

Rules of the game:

- a- Choose a category.
- b- Activate a random word.
- c- Guess letter one at a time then push "Enter" button.
- Bad guesses will be counted against you.
- You are allowed wrong guesses equal too the length of the mysterious word.
- The counter down the page shows how maany bad guesses remain.

c-

Warning! You only have bad guess before you lose!.

Statistics & Facts

City Capital:

Country's Name:

Location:

Langauage:

Neighbours:

Population (2001):

Literacy Rate:

Area:

Currency:

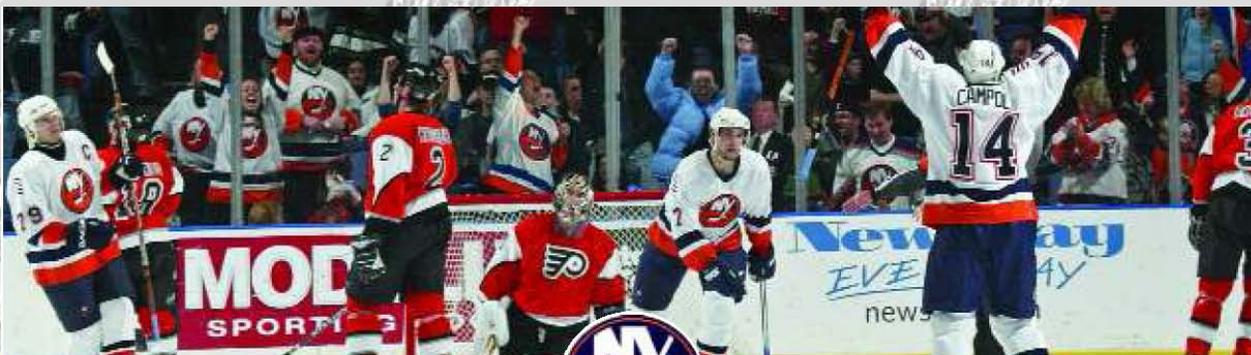
Note. The number of Countries/Capital Cities enlisted in the Game is: so far.

Free JavaScripts provided
by [The JavaScript Source](#)

BERA Discounts

	<p>Nov 3-5, 2006 (Friday thru Sunday) Save an extra 15% with coupon that you may pick up at BERA Store.</p>
<p>Tuesday, Nov 7, 2006 - 11:00am-2:00pm at Berkner Receive 15% discount on Sprint/Nextel service plans</p>	
	<p>Sunday, Nov 12, 2006 from 7:00pm to 9:00pm Exclusive shopping night in the Medford store. The store will be open ONLY for BNL employees, spouses, family and friends (Bring your BNL ID badge)</p>
<p>Sunday, Nov 19, 2006 - 7:00pm-9:30pm Must RSVP 631-369-6501 or t6355@toysrus.com Riverhead Store will be open ONLY for BNL employees, spouse, family & friends. Bring your BNL ID badge.</p>	
<p>ESTÉE LAUDER</p>	<p>Saturday, Dec 9, 2006 from 8:00am to 3:30pm 90 Nikon Court, Hauppauge Guests must present ticket that you may pick up at the BERA Store.</p>

For more discounts, please go to the BERA website at: <http://www.bnl.gov/bera/recreation/discounts.asp>



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NEWYORKISLANDERS.COM

WE'RE ALL ISLANDERS... Especially Brookhaven National Lab Employees!!!

The New York Islanders are pleased to offer two greats night of exciting NHL hockey action at a great savings for all BNL employees, their families and friends. Don't let the season skate by!

Check out this offer with **BIG SAVINGS!**
Tickets are very limited, order now!
1st time offered for BNL employees!

Makes a great holiday gift!

Tuesday December 26th vs. NY Rangers 7:30 pm
and
Saturday December 30th vs. New Jersey Devils 7 pm

TWO GREAT GAMES FOR ONE DISCOUNTED PRICE!

\$139 for two games (\$85 face value tickets)
(Lower VIP Endzone - savings of \$31)

\$109 for two games (\$70 face value tickets)
(Center Mezz - savings of \$31)

\$84 for two games (\$55 face value tickets)
(Corner & End Mezz - savings of \$26)

\$49 for two games (\$30 face value tickets)
(Upper Mezz - savings of \$11)

To order tickets call Adam Jacobs @ 516-501-6867 or e-mail ajacobs@newyorkislanders.com

# OF TICKETS	PRICE CATEGORY	DATE/OPPONENT	TOTAL
		Dec. 26 vs. NYR and Dec. 30 vs. NJD	
TOTAL ENCLOSED			

Name _____
 Address _____
 City _____ State _____ Zip _____
 Day Phone _____ Eve Phone _____
 E-mail Address _____

MAIL ORDER FORM TO:
 NEW YORK ISLANDERS
 ATTN: ADAM JACOBS
 1535 OLD COUNTRY RD
 PLAINVIEW, NY 11803
 E-MAIL: AJACOBS@NEWYORKISLANDERS.COM

NO PAYMENT AT DOOR
 Deadline for orders is Dec. 11th. Tickets subject to availability.

METHOD OF PAYMENT

Make check or money order payable to: New York Islanders

AMEX MC VISA Check

Card # _____ Exp. Date _____

Name On Card _____

Signature _____

Address _____



The Mane's



Vibha means "dawn" in Hindi.

son = Rahul (11) - Rahul was the son of Buddha

daughter = Tarika (5) - means "little star" ("Tara" means star)

Sateesh is one of the alternative names of the Lord Shiva. Hindu gods typically are known by many names.

Lee and Corinne Hammons are the proud parents of their first child, a daughter, **Caroline Clarke**, born on Monday, October 16th, Caroline was a big baby, weighing 9 lbs, 5 ounces ...



Congratulations



ALUMNI NEWS: AGS/RHIC/C-AD RETIRED CROWD - We'd enjoy hearing from you and what you have been up to. Please send your notes to pmanning@bnl.gov

E-mail received from Mike Nekulak and it certainly sounds as if he is enjoying his retirement - we should all be so fortunate.

From: Michael Nekulak [mnekulak@comcast.net]

Sent: Thursday, October 19, 2006 8:10 PM

To: Manning, Pamela

Subject: Alumni Update

Hi Pam,

Just read the Particle Post and would like to let you know what I have been doing in retirement.

Living in Venice Florida on the SunCoast is really a fun experience. RoseAnn and I are busier then ever, enjoying the beautiful sunsets and many activities that living in Florida affords us to do. We enjoy the beach, golf, sightseeing and travel etc.

RoseAnn and I celebrated our 45th wedding anniversary on September 16 vacationing and cruising the Hawaiian Islands aboard the Pride of Hawaii. Hawaii is a beautiful part of our country. We had a great time, and are looking forward to our trip to Alaska next spring. The only trouble with having nothing to do is that you don't know when you are finished.

Pam, I have also attached a photo from Kona Hawaii. Feel free to use the photo and any or all of my note. Hope you are doing well.

Thanks. Mike



Eva Emmerich stopped in to say Hello and promises she will contribute something for an upcoming newsletter.

Appreciation - After 44 years at BNL, I have had the pleasure of working with great people, I am leaving with many fond memories of BNL. To everyone who attended or donated to my Retirement, my sincere Thanks. - Don Meany

You can catch up on all of Eric Forsyth's travels by clicking on his sailing yacht below



November 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
			<p>BAF Seminar "The Stochastic Cooling Project for Heavy Ions in RHIC", Dr. Mike Brennan, BNL, 4pm, Bldg. 911, Snyder Seminar</p>	<p>Pegram Lecture "Einstein's Clocks, Poincare's Maps" Peter Galison, Harvard U., 4pm, Berkner</p>	<p>Pegram Lecture "The Pyramid and the Ring" Peter Galison, Harvard U., 11am, Berkner</p> <p>Pegram Lecture "Picturing Objectivity" Peter Galison, Harvard U., 4pm, Berkner</p>	

5	6	7 Election Day	8	9	10 Holiday	11 Veterans' Day
12	13	14 "Back to the Future: How We Plan to Return to the Moon", Marcelo Vazquez, Medical Guest, Huntington Public Library 7:30pm	15 BAF Seminar "Status and Commissioning Plan of the Large Hadron Collider", Dr. Lyndon Evans, CERN, 2pm, Berkner, Rm B 419th Brookhaven Lecture "The Past 20 Years in Neutrino Science: Where Have we Been? Where Do We Go From Here?" Richard Hahn, Chemistry Dept., 4pm, Berkner	16 C-AD Accelerator Physics Seminar "Experimental measurement and modeling of thermal and electrical transport through nanoconstrictions and boundaries", Ranjan Grover, SPM Lab, U. of AZ, 4pm, Large Conference Room, Bldg. 911B	17	18
19	20 BAF Seminar "PETRA III as a New High Brilliant Light Source at DESY", Dr. Klaus Balewski, DESY, 4pm, Berkner, Rm B	21	22	23 HAPPY THANKSGIVING	24 Holiday	25

26	27	28	29	30		
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December 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
						★ Happy Hanukkah
17	18	19	20	21	22	23
			420 th Brookhaven Lecture "Physics and Neuroscience: Common Ground Between Disparate Fields" Paul Vaska, Medical Dept., 4pm, Berkner		1/2 Holiday	
24	25	26	27	28	29	30
31	Season's Greetings					



**We Remember
Sept. 11, 2001**



Editor: Pamela Manning x4072

