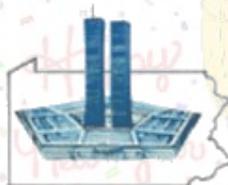


JANUARY 2005

What lies behind us and what lies before us

are tiny matters compared to what lies within us.

Editor: Pamela Manning x4072



We Remember
Sept. 11, 2001



A Note From Our Chairman

Now that the holidays are over and I have a last opportunity to wish everyone a Happy New Year, we are back to bringing on the RHIC physics program. This year it is copper-copper collisions and polarized protons. As of this writing, we have begun to supply beam every night for experiments. If all goes well, we should be in production mode within about 1-1.5 weeks. Congratulations to all those individuals that have worked on fixing magnet shorts, cutting and welding cryostats, reconfiguring the refrigerator system etc. and to those who are now bringing the machine on in record time. Great work.

As soon as we have established physics operations it will be on to polarized proton polarization development in the AGS. By mid-March we will be running the NSRL program.

On the fiscal front, we are still awaiting a statement of what the RHIC budget will be. Unofficially, it looks like the President's budget number, but then there are always the 0.5-1% reductions. The EBIS project preparations for CD1 approval are moving along. The RSVP project has received Congressional funding, but how much and when it will come to BNL is still quite a way off.

On the manpower front, we have 9 individuals who have either transferred or will voluntarily leave the department. This leaves us with an 11 person shortfall when the SNS project ends on March 31.

Derek Lowenstein

happy new year

Administration

Although funding levels for FY 2005 are still uncertain, we are currently planning to the Presidential Guidance issued last year, which provides for 27 weeks of operations. It is anticipated that the Laboratory's January financial plan will provide DOE funding levels for the year and that our Nuclear Physics budget will provide an increment in funding to increase operations from the current 27 weeks planned to 30 weeks.

Despite the additional funding anticipated, materials budgets are tight and it is critical that technical managers closely monitor expenses. To assist you in this effort, we began in January to distribute monthly Budget and Expense reports for RHIC Operations and the SNS Project to all technical personnel with responsibility for financial oversight. Reports for AIP, Capital and miscellaneous funding sources will follow

in February. Administrative personnel are available to discuss your financial status with you if you would like assistance in interpreting the reports you have received.

Monthly time cards will soon be an artifact of the past. The Laboratory is implementing an Electronic Time Reporting System that provides for on-line entry of all time card data, including supervisory approvals, for all monthly employees. Several Laboratory organizations are currently using this system in parallel with the existing manual card system and the Collider-Accelerator Department is scheduled to begin in April or May. Information regarding training will be distributed as soon as it becomes available.

Stephanie LaMontagne-McKeon

happy new year

RHIC Update

After the warm-up and successful repair of the shorts in Sector 10 and 12 last month, the RHIC blue ring was ready again for operations on December 23. The yellow ring, after diagnosis with beams and timely removal of a pipe obstruction in the warm section in Sector 4, was ready for beam work on December 29, and that marked the effective beginning of machine set-up. Development of the copper ramp progressed rapidly from then and on January 4 we were ready to deliver regular overnight collision to the experiments for detector set-up work.

Given the progress last week in establishing a viable initial ramp and store after beam intensity development, it was mutually agreed by machine and experiments to start physics production on January 11.

Beam set-up and ramp-up, were overall about 2 1/2 weeks, 10 days faster than last year, reflecting the excellent work and increasing expertise of the entire RHIC machine team.

The focus now for RHIC and the injectors is luminosity increase. Planning and beam development work towards the optimization of machine performance will continue regularly into the Copper physics running.

Fulvia Pilat

happy new year

SNS

Happy New Year! It seems like a lifetime ago when we were all talking about the digital unknowns associated with Y2K. Today the talk around the SNS water cooler is still calendar related. On March 31st the BNL efforts on the design and delivery of the electro-mechanical beam line components for the SNS Ring and Transport lines will be complete. After that date a minimum number of staff will be on hand to assist Oak Ridge with the final stages of installation and preparation for component testing and machine commissioning. For the SNS Project here at Brookhaven, 2005 is the year that will pull it all together and provide successful closure for most of the remaining BNL staff members.

As we head into the home stretch, one of our major goals is to maintain the excellent BNL/SNS safety record that has been achieved during the last five years. In addition to Brookhaven's Central Fabrication Services Division (a major contributor to the SNS Project), technical support is also provided by a number of facilities throughout C-AD and the Magnet Division. Some of these tech support groups include Building 817 (Diagnostics Lab); 830M (Controls Lab); 912 (Staging Area & Shipping); 922 (Mechanical Assembly & Testing); 820 (Vacuum Lab & Coating Facility); 902 (Magnet Measurements); 905 (Magnet Assembly); 919A (Specialty Magnets); 919B (Beam-line Diagnostics); 930 (PS Testing); 925 (RF Testing). These are just a few of the areas where real-time safety is an integral part of the daily job. Congratulations to all of

you who have participated on this project and keep up the exemplary record for which we can all stand tall and be proud!

Beyond safety, our remaining goals are focused on meeting Project commitments for magnets, vacuum chambers, diagnostics and controls. Specifically, hardware that is being assembled in-house includes: six sets of quad doublet assemblies; one extraction septum magnet; one bend magnet for the RTBT line; four radiation hardened magnet assemblies (quadrupoles + correctors); two extraction kicker magnet assemblies; and several diagnostic systems including beam loss monitors, beam current monitors, beam position monitors, ionization profile monitors, electron detectors, a beam-in-gap detector, foil drives and controls, and a video foil monitor.

Bill McGahern

happy new year

Safety

C-AD Occupational Injury Statistics

For Year 2003

For Year 2004

First Aid Cases	12	5
Recordable Cases	5	12
Lost Work Cases	2	4

Peter Cirmigliaro

happy new year

REMINDER: TLD exchange is done the first Friday of the month.

NEXT EXCHANGE: Have your TLD on its assigned badge board by

FEBRUARY 4, 2005

happy new year

Fanglei Lin arrived December 20 working with T. Roser

Yingmei Su arrived January 3 also working with T. Roser

Both are here until December 2006 and we **Welcome** them to the C-A Department.

happy new year

We wish all of you born in **JANUARY** a happy and healthy year ahead.

Birthday people ONLY click on cake



happy new year

Do you have any information you would like to share with the Particle Post? Or perhaps something you would like to see in the newsletter? If so, please get in touch with [Pamela Manning](#)

happy new year

Tick Tack Toe!

[Check Here to Play Against Computer](#)

Player 1	Player 2	Remise

happy new year

DID YOU KNOW???????????????

To all:

The Laboratory offers cardiopulmonary resuscitation (CPR) training. It is intended primarily for employees who perform high hazard electrical work, or are health care workers or researchers who work with "human subjects". However, this message is to let you know that, with your supervisor's permission, anyone may attend. The training is about 3 hours.

If you are interested, please send an e-mail to training@bnl.gov (this is the BNL Training Office) with a copy to me stating that you wish to take CPR training. We can then see the level of demand and we will get back to you with schedule options.

Note: For some C-AD electrical workers, this may become part of your required training. I will notify those people separately.

John Maraviglia

C-AD Training

Check out this web site for some nifty deals, coupon codes and discount prices for computer equipment

(submitted by Frank Naase):

<http://www.gotapex.com/>

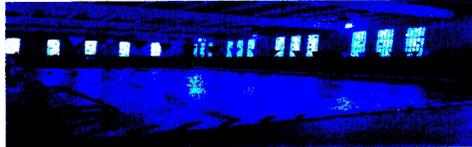
happy new year

**Upcoming Events from BERA/Recreation
Winter/Spring 2005**

**Applications are now available for 2 Programs in
February & March**

Adult Swim Lessons & a Lifeguard Certification Course

Call X5090 or go to
www.bnl.gov/bera for
more information!



**Spa Day at Gurney's Inn Sunday
February 27th \$260pp Includes Luxury
Bus, Luncheon, Facial, Massage,
Manicure, Pedicure, applicable taxes &
gratuities, & Use of all Spa Facilities!
Leave BNL at 8am; leave Gurney's at 4pm.**



Perfect for a Valentine's Gift!



**March 5, 2005
Cradle of Aviation in Garden
City.**

**Includes Museum, IMAX movie,
Mars Virtual Voyage Ride & Bus.
\$15 adults/\$13 children. Leave
BNL 9am, Return BNL 5pm.**

**New 8-week sessions now forming
for Aqua Aerobics, Pilates &
Jazzercise!!! Sign up now!**



<http://www.freshdirect.com/bnl/index.jsp>

*access code is quark2004
Pick up is Thursday 3-5:30pm @Berkner!*



Save the Date!

~Brooklyn Botanical Garden
Cherry Blossom Festival!
On Saturday 4/30/05 \$10pp
~NACAR @ Dover, DE 6/5 & 9/25
\$110 per trip, per person
~Culinary Institute of America Tuesday
7/5/05 \$55 pp with tour & luncheon!
~Wicked!!! Hottest Broadway Show
8/14/05 3pm show, \$70 rear Mezzanine
**Dates to be announced:
Yankee's Tickets!! Met's Tickets!! Duck's
Intrepid/Circle Line Trip
Ellis Island/Statue of Liberty
BERA Family BBQ**

CASH, CHECK, VISA/MasterCard, or BSA Account ACCEPTED

BERA EVENTS/ACTIVITIES

www.bnl.gov/bera

Always something happening!

FITNESS CLASSES AT BNL

Life Guard Training (Red Cross Certification)

Sunday from 10:00 – 12:00pm at the pool
Class dates are: 2/27, 3/6, 3/13, 3/20, 4/3, 4/10, 4/17, 4/24
Must be 15 or older and meet the physical requirements and attend ALL 8 weeks.
Fee is \$300
For more information please call Sue Dwyer at ext. 3496, between Mon-Thurs from 4:30-8:30pm

Adult Swimming Lessons:

Wednesday from 5:30-6:30pm at the pool
Class dates are: 2/9, 2/16, 2/23, 3/2, 3/9, 3/16, 3/23, 3/30
\$80.00 registration fee
For more information please call Sue Dwyer at ext. 3496, between Mon-Thurs from 4:30-8:30pm

Pilates:

Monday at Noon - Rec Hall (1/31, 2/7, 2/28, 3/7, 3/14, 3/21, 3/28, 4/4)
Wednesday at 5:30pm - Rec Hall (1/26, 2/2, 2/9, 2/16, 2/23, 3/2, 3/9, 3/16)
\$50 for once a week/\$60 for twice a week

Aqua Aerobics:

Tuesday & Thursday from 5:15 - 6:15pm at the Pool
Class dates are: 2/8, 2/10, 2/15, 2/17, 2/22, 2/24, 3/1, 3/3, 3/8, 3/10, 3/15, 3/17, 3/22, 3/24, 3/29, 3/31
\$20 for once a week, \$40 for twice a week.
(Remember - you don't have to get your face or hair wet!!!!)

Jazzercise:

Tuesday & Thursday from 12:00pm -1:00pm at the Rec Hall
Class dates are: 2/3, 2/8, 2/10, 2/15, 2/17, 2/22, 2/24, 3/1, 3/3, 3/8, 3/10, 3/15, 3/17, 3/22, 3/24, 3/29
\$88 per session-twice a week, plus you may use the membership at any Jazzercise location in Shirley, Miller Place, or Port Jefferson, Holbrook & Farmingville!

ADVANCE REGISTRATION FOR THE ABOVE CLASSES IS REQUIRED!
Please make checks payable to BERA and mail to C. Carter, Bldg. 179B

The following classes are either FREE or Pay-As-You-Go:

Cardio KickBoxing:

\$5 per class - Pay As You Go
Tuesday - Gym 5:15pm
Monday & Thursday- Gym at 12noon
Thursday at Brookhaven Center 5:15pm

Jui Jitsu:

Tuesday in the Gym from 6:30-7:30pm
Contact Tom Baldwin X4556 or email baldwint@bnl.gov for information and fees

Aerobic Fitness

Tuesday & Thursday in the Rec Hall at 5:15pm
10 Classes for \$40, or \$5 per class - Pay As You Go
Contact Pat Flood X7866 or email her at flood@bnl.gov

Yoga:

Monday & Wednesday - 12 noon at Brookhaven Center North Room
Contact Iia Campbell X2206 or email her at iia@bnl FREE

Reiki Healing Circle:

Thursday in the 211 Conference Room
Contact Nicole Bernholz X2027 or email her at bernholz@bnl.gov FREE

Tai Chi:

Monday, Wednesday & Friday, 12 noon- 1pm at the Brookhaven Center
Contact A. Rusek, X5830 FREE

Enjoy BNL's Pool, Gym, Parcourse, Tennis Courts and all fitness activities!
Tours of the Pool, gym and exercise room are always available. Please call Ext. 2873.
FOR A LISTING OF ALL CLUBS & ACTIVITIES, PLEASE GO TO www.bnl.gov/bera

2005 BERA FITNESS REGISTRATION APPLICATION

Activity: _____ Class Day: _____

Name: _____

(Please Print)

BNL Life/Guest Number: _____ Building Number: _____

Phone Number: _____ Email address: _____

Emergency Contact and Phone Number: _____

ALUMNI NEWS: AGS/RHIC/C-AD RETIRED CROWD -We'd enjoy hearing from you and what you're up to! Send your notes to Pamela Manning

[You can catch up on all of Eric Forsyth's travels by clicking on his sailing yacht below](#)



happy new year

 JANUARY 2005						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 
2	3	4	5	6	7	8
9	10	11	12	13 Community Advisory Council Meeting "Open to the Public" 6:30 pm, Berkner, Room B	14 Timecards Due RHIC&AGS Forum 12-2pm Berkner, Room B	15
16	17 Lab Holiday 	18	19 Brookhaven Lecture "The Role of Empirical Rules in Predicting Directions in Science" Maurice Goldhaber, 4:00 pm Berkner Auditorium	20 Brookhaven Accelerator Forum "Status of the ILC Project" S. Ozaki and M.Harrison, 3:00 pm, Berkner, Room B	21 CA AP Seminar "Heavy Ion Collimation in LHC" H. Braun, CERN 4:00pm 911B,LCR BNL Music Club Concert "Hammer of the Gods - Led Zeppelin Tribute Concert, 8:00 pm, Berkner Auditorium	22

23	24	25	26	27	28	29
	BSA Distinguished Lecture "Superstring/M-theory: A Lathe for Physics" Sylvester Gates 4pm, Berkner Auditorium		Instrumentation Division Seminar "A Hadron Blind Detector for the PHENIX Experiment at RHIC", Craig Woody, Physics Dept., 2:30 pm, Large Seminar Room, Bldg. 535			
31						



FEBRUARY 2005

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9 Concert Percussionist Joseph Gramley, Noon, Berkner	10 Community Advisory Council Meeting "Open to the Public" 6:30pm, Berkner, Room B	11 Timecards Due	12
13	14 ♥Happy Valentine's Day♥	15	16 Brookhaven Lecture "Heavy Ion Beam Effects on Cells and Animals", M. Vasquez, 4pm, Berkner Auditorium	17 Brookhaven Accelerator Forum, "Energy Recovery Linacs with High-Brightness and Ampere Average Current, 3pm, Berkner, Room B	18	19
20	21	22	23	24	25	26
27	28					