

Particle Post March 2007

Real integrity is doing the right thing, knowing that nobody's going to know whether you did it or not.

~Oprah Winfrey

To review previous issues

A Note From Our Chairman



As soon as we have a final resolution on our FY2007 budget allocation, I will call an all-hands meeting to review our fiscal status. The preliminary guidance does allow for a 20 week run and supports both capital and AIP projects. Funds have been set aside for EBIS. Congress has legislated a no-new-start agenda for FY2007. DOE is discussing with OMB (Office of Management & Budget) whether there is a path forward without thwarting the will of Congress.

Administration



Although we are proceeding with preparations for RHIC Run 7, our funding for FY 2007 is still unknown. Ray Orbach has assured that RHIC will be “fully” funded and the Nuclear Physics Program Office has confirmed that operating funds to support a 20 week cryo run will be made available. DOE construction funding for EBIS is still uncertain, although progress continues on the NASA funded EBIS scope. An extended NSRL run is scheduled to begin on March 12th and will continue through mid-June.

February financial data for materials and services continues to reflect our efforts to “conserve and constrain” our resources. The leading financial indicator of our start-up efforts, overtime and shift expense increased in February. Increased power consumption along with payments for liquid helium deliveries will be reflected in the March financial data. RHIC operating expenses for the month totaled \$7.8M and year-to-date expense is \$36.3M.

I'm pleased to be able to announce the debut of our Administrative Web Site. Darlene Sappo and

Karen Cestra have been working for several months to develop the site and while we still have “big ideas” for its future, there are a number of financial reports as well as reference tables and frequently used forms available. The Administrative home page may be accessed from the Department home page. Please take the opportunity to noodle about. Our goal is to provide access to all of the reports we currently distribute, making financial data more accessible to all and saving a few trees in the process.

Machine Update



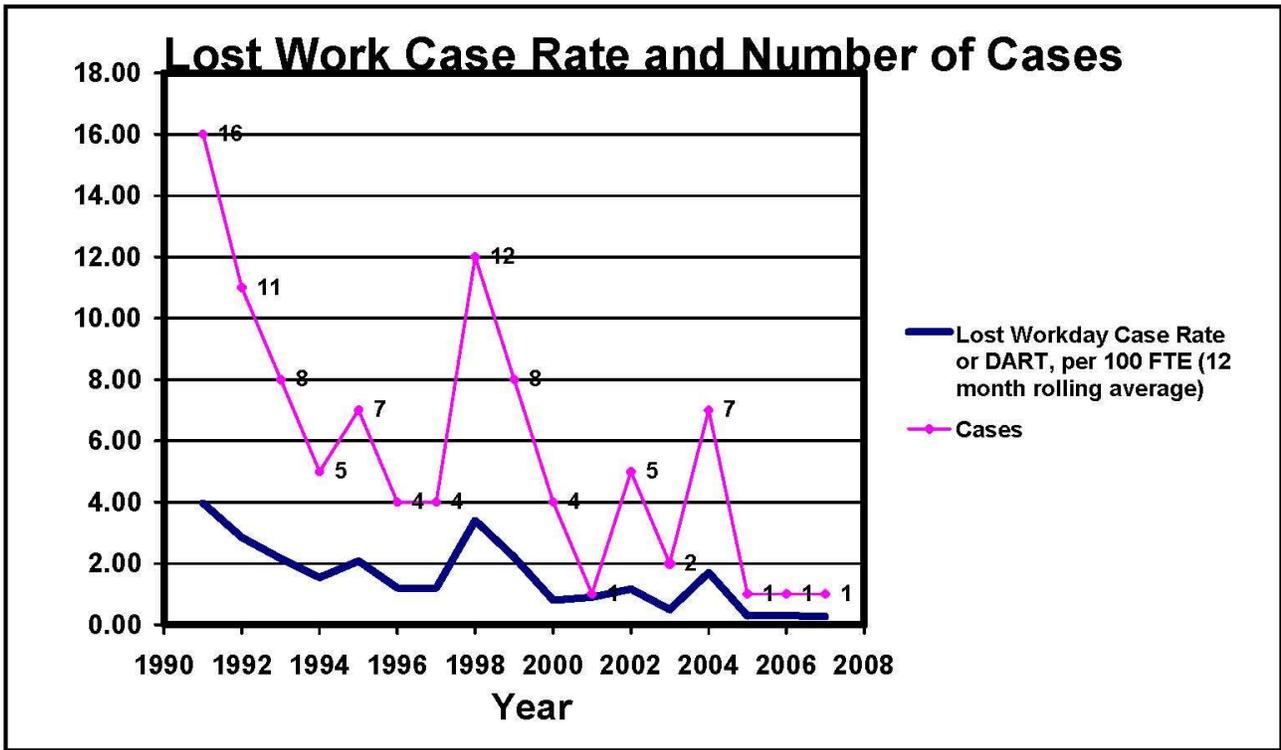
The focus of machine operations this February has been the start-up in the injectors and RHIC for the upcoming Au run, and the BLIP and NSRL start-up in March.

Tandem, Booster and AGS have come back to operations rather smoothly, and key new developments have been demonstrated. The novel scheme for bunch merging without prior debunching in AGS has been successfully commissioned, and this results in lower longitudinal emittance and reduced likelihood of beam instability. The new BtA foils have been tested with beam and the results here are improved efficiency and lower energy loss and spread downstream.

After a record time cool-down, work with beam in the blue ring started in RHIC on February 19 and during the owl we had circulating beam in RHIC. After a few days of beam work at night in blue and day PS system work in the ring following the yellow cold wave, unfortunately a problem developed in the cryogenic system that caused a necessary partial warm up. After intense troubleshooting the problem has been localized at the newly installed heat exchanger HX20, and is almost certainly caused by turbine oil accumulation at the entrance of the heat exchanger itself. A cryogenic bypass that excludes HX20 from the system is in progress today as I type, and if everything goes well and no other surprises arise, after a few days of scrubbing and re-testing the cryo-system, we will be ready to start blue cool-down early to mid next week and have the ring cold and ready for beam possibly by March 12.

In the meanwhile the time in operations will be invested in work for higher bunch intensity in the injectors together with other development, preparation for the upcoming NSRL and BLIP runs, and system maintenance.

Safety Stats



C-AD Occupational Injury Statistics

For Year* 2006 For Year* 2007

First Aid Cases	1	0
Recordable Cases	5	0
Lost Work Cases	1	0

* Calendar Year

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

NEXT EXCHANGE: **Friday, APRIL 6, 2007**

Pete Cirnigliaro



Arrivals

Ian Blackler joined the Laboratory on February 26th working with Peter Ingrassia in the Main Control Room.

Shigang (Scott) Yuan joined the Laboratory on February 5th working with Alex Zaltsman in the RF Group.

WELCOME!!

Departure

William Chase, Machine Operations Group has terminated on February 26.

Transfer

Effective immediately, H.C. (Dick) Hseuh, Vacuum Group, has transferred to the NSLS II.

GOOD LUCK!



Get To Know Your CoWorker



Haixin Huang, Accelerator Physics Group, has been working for us for about 11 years and he works on polarized proton acceleration and polarimeters. Haixin has worked on AGS and RHIC polarized proton acceleration. He also has worked on various techniques to maintain polarization in the AGS: solenoid partial snake, ac dipole, helical warm snake and dual partial snakes. He also worked on polarimeters from Linac to RHIC. Haixin and his wife have 2 daughters. Yishu is going to graduate from high school this year and Julia just started junior high school. In his down time Haixin enjoys table tennis, skiing, and swimming.



Did You Know?

March is Developmental Disabilities Awareness Month in New York State. In recognition of this important observance, the Suffolk Chapter, Association for the Help of Retarded Children (AHRC) has joined with other NYSARC Chapters across the state to increase the community's understanding of the abilities and contributions made by people with developmental disabilities. It is estimated that more than seven million Americans - representing all ages, races and without regard to gender or degree of wealth - have a lifelong condition known as intellectual developmental disability. Once isolated and ignored, people with intellectual or other developmental disabilities now enjoy greater education, vocational and social opportunities. No longer does the term "disability" discourage them from achieving their fullest potential. Today, children with developmental disabilities have an opportunity to attend regular classrooms in regular schools, and adults hold responsible jobs, serve as dedicated volunteers and live productive lives in their communities. Suffolk AHRC is a not-for-profit organization which provides a lifetime of therapeutic programs and services to children and adults with developmental

disabilities. Currently, more than 2,500 people receive educational, vocational, residential, and respite services through AHRC's 33 facilities located through out Suffolk County.

BNL Survives \$ perils - but more reliable funding is needed (Editorial comment in Newsday)

The recurring good-news/bad-news story of funding for Brookhaven National Laboratory has once again entered a good-news phase, thanks to the efforts of New York's two senators, Democrats Chuck Schumer and Hillary Clinton, and Rep. Tim Bishop (D-Southampton). The the lab shouldn't have to call for repeated resources. There must be a better way. Last year, faced with a budget shortfall, the lab had to depend on \$13 million in donated money to run its relativistic heavy ion collider. The proposed fiscal 2007 budget looked good, but Congress passed continuing resolutions rather than a real budget. That cast doubt on funding for RHIC and for a new national synchrotron light source (NSLS-II). Now Schumer has spoken to the head of the Department of Energy's Office of Science and gotten a commitment of full funding for RHIC and significant funding for NSLS-II in 2007. And the proposed 2008 budget looks great for both of these big machines, vital to the lab's future. But that could change. The lab is important to national competitiveness in science. But federal research funding is declining as a percentage of gross domestic product, unlike other nations. We need more money for basic research, and some form of multiyear guidelines to make the appropriation process more reliable. The lab shouldn't have to hold a bake sale to keep going.

[Take 5 - February 2007 featuring Dave Pate, and Cyrus Biscardi](#) Produced by Video Services in the Media & Communications Office, Take 5 is the BNL community's monthly video magazine. Real Player is required to view file.

This is beautiful. Great for the kids to watch too. [The Real Watchmaker...Video with sound...](#)



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



C-AD Service Awards February

10 years

Christopher Salat

Joanne Beebe-Wang

Wolfram Fischer

Stanley Yakaboski

Congratulations to ALL!



Fun Time

Place your bets on your favorite colored crab in a virtual crab race. Each crab has different odds

and has different payouts. Good Luck!

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



Larry Leipuner Symposium

Celebrating the Physics of Larry Leipuner (1928-2006)

**1 PM March 27, 2007
Large Seminar Room
Physics Dept. BNL, Upton, NY**

Welcome by Bill Morse, BNL

Reminiscences of Larry by Robert K. Adair, Sterling Professor of Physics Emeritus, Yale University

Remarks by Myron Campbell, Chairman of the Physics Department, University of Michigan

Remarks by Allen Sessoms, President of Delaware State University

Remarks by Peter Wanderer, BNL

Remarks by Peter Wanderer, BNL

Further Reminiscences

3pm Coffee and Cookies

3:30pm Physics Dept. Colloquium by Michael Schmidt, Yale University
“Larry Leipuner as a Mentor, and a Tale of Two Lifetimes”

Contact Bill Morse (x3859 or morse@bnl.gov) if you are interested in joining us for a buffet dinner following the Symposium in Bldg 510.

The following is submitted by Ady Hershcovitch:

Volunteers Needed!

2007 BNL Middle School Science Bowl
and
Hydrogen Fuel Cell Car Challenge



Saturday
April 14, 2007
Berkner Hall



some of the available positions:

some of the available positions:

academic competition

science moderators

scientific judges

timekeepers

scorekeepers

rules judges

runners

fuel cell car challenge

engineering judges

timekeepers

scorekeepers

fueling assistants

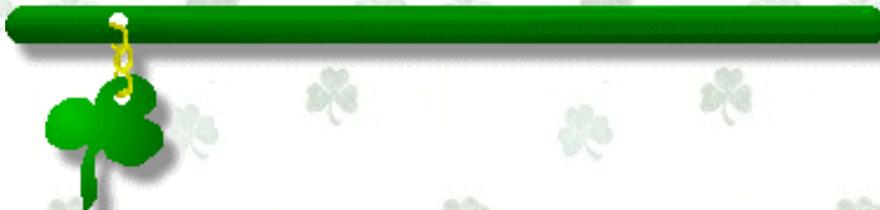
crowd control

photographer assistant

to volunteer, please call or email:

Cathy Osiecki 344-3054; cathyo@bnl.gov

for more information: www.bnl.gov/education/Contests



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

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



March 2007

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
					Accelerator Physics Seminar "LHC Interaction Region Upgrade: Studies on Dipole First and Quadrupole First Layouts" Dr. R. de Maria,	

					CERN, 4pm, Bldg. 911B LCR	
4	5	6	7	8	9	10
		<p>Physics Colloquium "Excited Electronic States in Carbon Nanotubes", Louis Brus, Columbia U., 3:30pm Bldg. 510 Large Seminar</p>		<p>Summer Camp Expo, 11:30am - 1:30pm, Berkner Lobby</p> <p>Health Promotion Program Lecture "Women & Nutrition - Key to a Healthy Life", Amy Shapiro, Noon, Berkner, Room B</p>	<p>Accelerator Physics Seminar "Novel Laser Ion Source - Direct Plasma Injection Scheme (DPIS)" M. Okamura, C-AD, 4pm, Bldg. 911B LCR</p> <p>Black 47 and MacTalla Mor in Concert, 8pm Berkner Auditorium</p>	
11	12	13	14	15	16	17
<p>Daylight Savings Time Begins</p>		<p>Physics Colloquium "The Tipping Point: How Does a Little Noise Make a Big Difference?", Daniel Stein, NYU, 3:30pm Bldg. 510 Large Seminar</p>	<p>Bryant Park String Quartet, Noon, Berkner Hall</p>			 <p>Saint Patrick's</p>

18	19	20	<p>21</p> <p>Spring Begins</p> <p>BNL 60th Anniversary Celebration "BNL-60 Human Formation Photo & Video Event" Hosted by M. Belford, 12:00pm, Police HQ (south field)</p> <p>60th Anniversary Kick Off Event "60th Anniversary Review of BNL" Hosted by E. Lowenstein, 4pm, Berkner</p>	22	23	24
25	26	<p>27</p> <p>Larry Leipuner Symposium "Celebrating the Physics of Larry Leipuner (1928-2006)" W. Morse, 1pm, PO, Large Seminar Room</p>	<p>28</p> <p>423rd Brookhaven Lecture "RHIC: the World's First High-Energy, Polarized-Proton Collider" Mei Bai, C-AD, 4pm, Berkner</p>	29	30	31

April 2007



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Palm Sunday	2	3 Passover	4	5	6 Good Friday	7
8 	9	10	11 Opera Scenes, noon, Berkner Hall	12	13	14
15	16	17	18 424 th Brookhaven Lecture "Radiological Threat Reduction: Dealing with Dirty Bombs", Stephen Musolino, N&NS, 4pm, Berkner	19	20	21
22 Earth Day	23	24	25 Health Promotion Program Lecture "Denistry in the 21st Century", Mitchell Shapiro, Noon, Berkner Hall Administrative Assistant's Day	26	27	28

29	30					
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We Remember
Sept. 11, 2001

Editor: Pamela Manning x4072