

Particle Post June 2009

"The whole inspiration of our life as a nation flows out from the waving folds of this banner." ~ Author Unknown

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A Note From Our Chairman



The polarized proton run has about one more month to go until we start the summer shutdown. I would like to remind everyone that careful planning is required for our shutdown work. Besides the safety requirements we will have a relatively short period of time before we start up again in the autumn. There is a lot to do and we will have to be especially selective in the tasks that we chose to undertake. The EBIS project has to meet its milestones and not incur any substantive delays.

We have received 90% of the \$8M AIP stimulus funding to complete the stochastic cooling system and build the electron lens system for RHIC.

We are in the process of hiring staff to C-AD. If anyone has a good candidate for either a technical or an engineering position, please let us know.

I am delighted to announce that Wu (Arlene) Zhang and Alexander Zaltsman will be receiving BNL Engineering Awards. Congratulations on winning these prestigious awards. Well done.

Congratulations to Nick Samios on being honored with the Gian Carlo Wick Gold Medal Award from the World Federation of Scientists.

Administration



In FY 2009, a total departmental budget of nearly \$156M supports robust programs in RHIC, NSRL and the AGS, and ARRA funds provide the first significant influx of AIP funding in several years. Acceleration of R&D efforts continues to be made possible by funding from the Office of Naval Research. The picture is made even rosier with recently announced rate reductions for electric power and fringe benefits which have significantly reduced projected cost for the year. In summary, funding is ample and carry-forward to support an extended RHIC run in FY 2010 is assured.

The annual Special Process Spares (SPS) inventory is in process and must be completed by June 30. With so many new personnel on board, I thought this would be an opportune time to provide a description of the inventory, its purpose and the way in which it is managed.

Special process spares are by definition unique to the facility, vital to ensure continuity of operations and require a long lead-time to manufacture and deliver. During the final phases of construction, DOE provided \$12M for the establishment of an SPS inventory for RHIC. Approximately five hundred items, identified as critical to the operation of the machine, were fabricated or purchased and placed into inventory. The RHIC spares inventory is an active inventory. During FY 2008, spares valued at \$265K were withdrawn and spares valued at \$465K were purchased.

When possible, special spares are stored in secure locations. Most are located in Building 926, a secure warehouse facility. Each spare is identified by a bright, yellow cardboard tag, six by three inches, which is affixed to the item with string. The inventory number or SPS number and a description of the item are printed on the tag, along with instructions directing the user to remove the tag and forward it to Paul Sparrow (in C-AD's Administrative Group) when the item is placed into service. Paul is responsible for maintaining the SPS inventory records and initiates the financial transactions to record the withdrawal.

In a financial sense, the inventory functions as a revolving fund. As spares are used, they are withdrawn from inventory and charged to operations. The withdrawal process is a transfer of cost from inventory to operating which then provides funds in the inventory account to purchase additional spares. It is not appropriate to swap items in and out of inventory by moving the tag from one item to another. Both the withdrawal from inventory, when an item is placed into service, and the placement into inventory, when a new spare is purchased, must be recorded.

DOE requires that we reconcile the physical inventory and our financial records on an annual basis. During this process, items which cannot be located are assumed to have been placed into service and must be charged to operating. Spares identified as obsolete may also be removed from inventory but like those items placed into service, obsolete items must be purchased with operating funds when they are removed from inventory.

Operations Update



RHIC has been running polarized protons at 100 GeV since April 16. After a good start and relatively quick establishment of collisions and physics running, the overall machine performance sets us so far close to the minimum projection for this year delivered integrated luminosity and figure of merit ($L \cdot P^4$, with L luminosity and P polarization). The main factors limiting the integrated luminosity have been a lower luminosity lifetime than in Run-8, uptime and ramp transmission in yellow that limits bunch intensity. We are actively studying these limitations with the goal of improving the present run but even more so of understanding the machine for future planning. It is imperative for instance to determine if the decrease in luminosity lifetime is determined by the b^* of 70cm this year comparing to the 1m last year. Polarization is consistently measured at the 55-58% level.

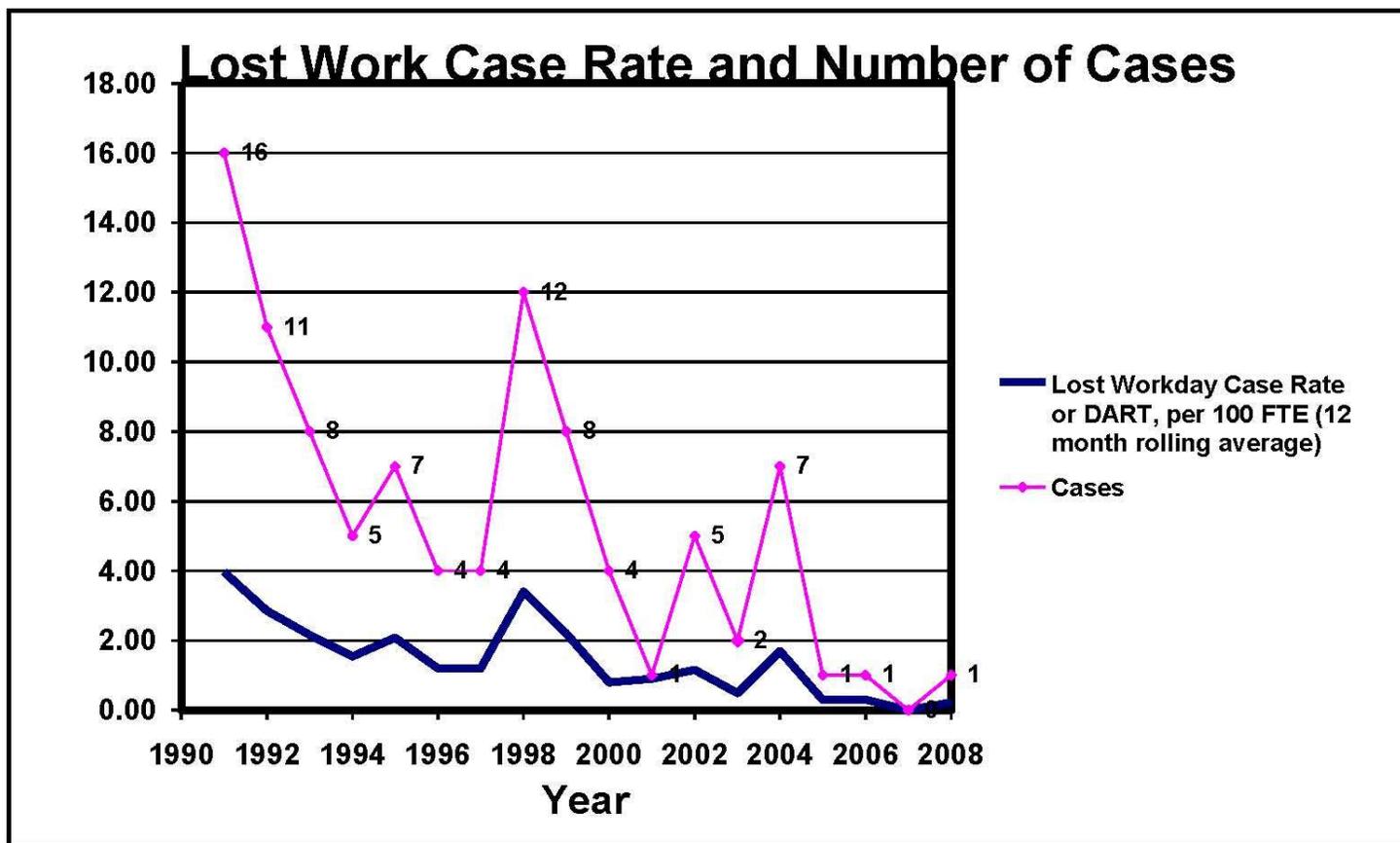
RHIC will run until July 3rd, with the last few days of the run devoted to running for the experiment pp2pp, now part of the STAR experiment. We are carefully planning beam studies and developments to

make sure we have all the information we need to plan future runs. Another key part of the planning process is the RHIC Retreat that will happen this year on July 15-17 with closeouts at BNL on July 20.

While RHIC will start its yearly shutdown at the beginning of July, and the NSRL-09B will end in June, injectors operations may be extended till about mid of July for the Proton Interrogation experiment installed off the u-line.

The shutdown this year will be much shorter than last year, since the budget expectation for next year if confirmed will allow ~30 weeks of operations. That is of course very welcome news but it will also require careful prioritization and scheduling of shutdown activities. Please submit your shutdown job requests ASAP to Paul Sampson if you haven't yet done so.

Safety Stats



C-AD Occupational Injury Statistics

For Year* 2007 For Year* 2008

First Aid Cases	4	6
Recordable Cases	1	3

First Aid Cases	4	6
Recordable Cases	1	3
Lost Work Cases	0	1

* Calendar Year

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

EXCHANGE DATE: MONDAY, JULY 6

Pete Cirnigliario



Arrivals

Vito De Monte joined the department on May 11, working with Tony Arno in the Design and Documentation Group.

Summer Employee Arrivals

Adebayo Adeyemi joined us June 1, working with Masshiro Okamura in Preinjector System Group.

Jean Clifford Brutus joined us June 1, working with Joe Tuozzolo in the Mechanical Systems Group.

Patrick Bynum has joined us again on May 13, working with Nick Franco in the Communications and Electronic Support Group.

Jennifer Chu joined us on June 1, working with Kin Yip in Physics Support.

Francis Conway joined us on June 1, working with Vincent Castillo in the Access Controls Group.

Nathan Cook joined us on June 1, working with Todd Satogata in Accelerator Physics.

Robert Dabrowski joined us on June 8, working with Masahiro Okamura in the Preinjector System Group.

Dujohn Hendricks joined us on June 1, working with Omar Gould in the Preinjector Systems Group.

Gabriel Herczeg joined us on June 1, working with Todd Satogata in Accelerator Physics.

Elliott Johnson joined us on June 1, working with Vladimir Litvinenko in Accelerator Physics.

Roderick Klich joined us on June 1, working with Edward Beebe in LINAC.

Mark Taddonio joined the department on May 26, working with Joe Tuozzolo in the Mechanical Systems Group.

Victor Williamson joined us again on June 1, working with John Morris in the Controls Division.

Rupert Wilmot-Dunbar, Jr. joined us on June 1, working with Omar Gould in the Preinjector Systems Group.

WELCOME!

Departures

Donald Barton, Controls Division, will be retiring on June 30th.

GOOD LUCK!



[RHIC Newsletter](#). Please click on link to the left to view the latest web publication of RHIC News.



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



C-AD Service Awards May

30 years

Stephanie LaMontagne

Nick Franco

Congratulations!



Get To Know Your Co-Worker

Lynanne DiFilippo, ESSHQ Division, began her BNL career 25 years ago. She first worked in the Department of Applied Science for about 6 years as a Division Secretary for the Fuels & Catalysis Division. Then she transferred to the RHIC Project where she worked in the Administration Division on detector construction contracts for 9 years. When her first son was born she transferred to the ESSHQ Division, where she now works part-time for Ray Karol as the Department Procedures Coordinator and part-time for the Accelerator Division. Lynanne and her husband Armand met at BNL and have recently celebrated their 15th wedding anniversary. Their son Marc is 9 years old and goes to school in Miller Place and has a very active imagination. He keeps them busy with his never ending questions! Marc enjoys being a Cub Scout, playing the saxophone, as well as playing baseball. Lynanne and Armand were blessed again as a family when they adopted Christopher, who is 2 years old now. Christopher enjoys anything and everything his brother Marc has and does! As a family they enjoy camping and traveling, and spending time with their ever-growing families.





Fun Time

Battleship - Enter into a naval battle against your computer. But watch out, your adversary is not stupid!! [Click here](#)





Ilan Ben-Zvi, Associate Chair for Superconducting Accelerator R&D is proud to announce the marriage of his son David to Amber on May 2 in Austin, Texas.



Congratulations!!

Anna took some pictures during the recent PAC in Vancouver.



The Food Pantry needs our help.....

If everyone can bring in at least one non-perishable food item, this would help the local food pantries in our area. There are so many families who are in need of food and depend on their local food pantry to have at least one

meal a day. With the food supply so low, the volunteer's who help out at our local food pantries can't help those in need. So please.....bring whatever you can to replenish the food supply for those in need.

Your donation of any non-perishable food item can be left in the box marked "Food Drive" located in the 911A Lobby. Your continued support is appreciated.

Thank you.



BAR-B-Q

WHEN: Thursday, June 18, 2009
12 Noon - RAIN OR SHINE

WHERE: BNL Gazebo

**All C-AD & BNL Employees,
Past & Present, Friends and Families,
All Are Welcome!**

Bring Your Own Lawn Chair
\$8.00 Per Person - \$10.00 after
6/12/09 & at the Bar-B-Q
No Refunds!

- MENU**
- Chicken
 - Anh's Roasted Pork
 - Rich's Burgers
 - Tony's Hot Dogs
 - Veggie Burgers
 - Salads, Chips,
 - Cakes, Melon
 - Italian Ice
 - And Much, Much More!

Door Prizes, Lots Of Food, Fun, Music By Request

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Come and Join Us!

TICKET SALES:

Tony Arno X6153
Lynanne DiFilippo X7918
Stacey Kuczewski X4853
Anh Pham X4547

John Benante X2745
Frank Dusek X2022
Pamela Manning X4072
Anna Petway X4776

Rippie Bowman X4672
Marion Heimerle X4619
Bob Marascia 929-4753
Paul Sparrow X4689

Rich Conte X5741
Mike Jacobellis X7861
John Nicolellis X4631
Ray Zaharatos X7205



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.





June 2009

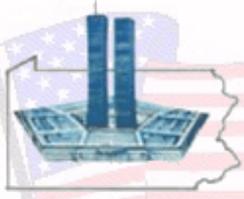
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
	DB-NPP "RHIC & AGS Annual Users' Meeting, 8am, Berkner	Physics Colloquium "The CMS Detector and LHC Physics: the Good, the Bad, and the Ugly", Nick Hadley, U. of MD, 3:30pm, Bldg. 510 Large Seminar				
7	8	9	10	11	12	13
					Honoring Flag Day 11am-1pm Frank Vignola, 8pm, Brookhaven Center	
14	15	16	17	18	19	20
Flag Day 		BNL Blood Drive 9:30-3pm	BNL Blood Drive 9:30- 3pm Brookhaven Lecture "452nd Brookhaven Lecture", 4pm, Berkner	C-AD Annual BBQ 12noon Gazebo	Employee Lunchtime Tour to the Water Treatment Plant, 12noon, Berkner, Upper Lobby	
21	22	23	24	25	26	27
Father's Day Summer Begins						

28 29 30



July 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 Holiday	3 Holiday	4 
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26 Parent's Day	27	28	29	30	31	



**We Remember
Sept. 11, 2001**

USS New York - A ship forged from the steel of the World Trade Center.

Editor: Pamela Manning x4072