

Particle Post July 2008

"Those who desire to give up freedom in order to gain security will not have, nor do they deserve, either one." -Benjamin Franklin

[Previous issues](#)

A Note From Our Chairman



Now that the NSRL run is complete, all of the accelerators are undergoing maintenance. We have to be especially aware of the hazards associated with our work. Our ESH track record continues to be excellent and let's keep it that way. Our mantra should be to "think before acting".

I was delighted to see over 320 persons come to the BBQ. Many retirees came for the fine dining and the renewal of association with their former colleagues. A great time was had by all and the weather cooperated.

In early July we will be undergoing the yearly DOE RHIC science and technology review. I have included for you the personnel information that the reviewers will hear from me.

Our message is that we had a superb year despite the tight funding situation.

Mission: "To develop, improve, and operate the suite of particle/heavy ion accelerators used to carry out the program of accelerator-based experiments at BNL; support of the experimental program including design, construction and operation of the beam transports to the experiments, plus support of detector and research needs of the experiments; to design and construct new accelerator facilities in support of the BNL and national missions. The C-A Department supports an international user community of over 1500 scientists. The Department performs all these functions in an environmentally responsible and safe manner under a rigorous conduct of operations approach."

Staff: The Collider-Accelerator Department headcount is:

	Total	NP*	EBIS	NSRL	OTHER
Ph.D. Scientists	52	48	1	2	1
Postdoctoral Fellows	4	4	0	0	0
Engineers/Professional	135	124	4	5	2
Designers/Technicians	171	160	4	6	1
Admin./Clerical	20	19	0	1	0
Totals	382	355	9	14	4

*Does not include - 15 Magnet Division employees charged to NP.

Additional support - 14 FTEs are purchased as Laboratory assigned trades.

FY 2008 Awards (to date)

- Free Electron Laser Prize – I. Ben-Zvi, August 2007
- BNL Engineering Award – S.V. Badea, January 2008
- APS Fellows – W. Fischer, A. Hershcovitch, D. Trbojevic, January 2008
- 2008 AAAS Fellow – I. Ben-Zvi, February 2008
- 2008 IEEE Nuclear & Plasma Sciences Society Merit Award – I. Ben-Zvi, April 2008
- BNL Sitewide Safety Steward Employee Recognition Program for Safety Awareness Honorable Mention – P. Sparrow, April 2008
- BNL Tenure Awarded – M. Blaskiewicz, A. Fedotov, June 2008
- BNL Spotlight Awards – 14 members of C-AD (to date)

FY 2008 Publications and invited talks (to date)

- 146 publications
- 35 journals, 20 refereed
- 111 conference proceedings
- Approx. 10 invited talks

C-AD Accelerator Physics Students (2002-2008)

Administration



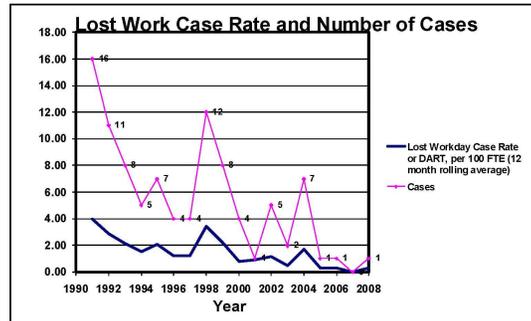
The economy has presented yet another opportunity for C-AD personnel to demonstrate their resourcefulness. Unfortunately, retroactive increases for heating and automobile fuel oil increased cost for RHIC Operations by nearly \$600K in June. This pushed year-to-date costs to just \$83M as of June 30th and leaves a balance of only \$31M to cover cost for the final quarter of the fiscal year. We will manage, but only with the continued support of every employee. A small expenditure by each of C-AD's 382 employees could break the bank. Conversely, small economies exercised by 382 employees could add up to significant savings. It is going to be an interesting closing.

Are you aware that forfeited vacation increases the department's total labor cost for the year? This is how the system works: A maximum of 20 vacation days may be carried over from one fiscal year to the next. On September 30, accrued vacation in excess of 20 days is forfeited. Your choice to forfeit a vacation day means that the department has paid for 8 hours of productive time for which they would not otherwise have paid. One small thing that you can do to control cost is to take the vacation time you have earned.

Following an auspicious beginning in May, the personal inventory of sensitive items fizzled in June. As of the published deadline, fewer than 50% of employees had provided the required custodial verification of ownership for sensitive property. It is important to note that a response is required from all employees, including those to whom no sensitive or other managed equipment has been assigned. While targeted follow up to those who did not comply is the ideal, it is a time-consuming process when the number of exceptions exceeds the number in compliance. And so, once again, the indulgence of those 40+ percent who have complied is appreciated.

On a similar note, all BNL employees are now required to sign a Computer Use Agreement in order to continue using BNL's computer systems. Please ensure that you have given a signed copy of the Computer Use Agreement to Marie Gavigan by Monday, July 14. A copy of the Agreement was recently e-mailed to all C-AD employees.

Safety Stats



C-AD Occupational Injury Statistics

For Year* 2007 For Year* 2008

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

* Calendar Year

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

EXCHANGE DATE: FRIDAY, AUGUST 1, 2008

Pete Cimigliaro

From: Karol, Raymond C
 Sent: Tuesday, June 17, 2008 12:53 PM
 To: CAD Personnel List; Krasner, Kenneth; Soja, Robert; Lynch, Don; Sutherland, Betsy; Giannotti, Paul; Christie, William
 Subject: BNL Director's Policy on Attire

Please remember that the BNL Director has stated that in areas other than offices, you must wear the following minimum attire:

1. Long pants, closed toe footwear, short sleeve shirt (or long sleeve if skin injury can occur to the arms). This includes even passing through non-office areas.
2. Wear the appropriate PPE while doing work, over and above the attire in item 1 above. See [http://www.rhichome.bnl.gov/AGS/Accele/SND/personal_protective_equipment_\(ppe\).htm](http://www.rhichome.bnl.gov/AGS/Accele/SND/personal_protective_equipment_(ppe).htm)

The ESSHQ Division is available to help you with selecting the right PPE.

From: Karol, Raymond C
 Sent: Thursday, June 12, 2008 6:40 PM
 To: CAD Personnel List; Christie, William; Giannotti, Paul; Soja, Robert; Sutherland, Betsy; Lynch, Don; Krasner, Kenneth
 Subject: Suggested 5 minute safety topics

1. **Security:** BNL Police found 12 doors unlocked at C-AD in May during off-hour checks. **This is unacceptable.** Everyone needs to be vigilant in making sure that their office or building doors are locked at the end of the day. If you go to a long meeting, lock your office door while you are gone.
2. The BNL ESSH policy is found at: <http://www.bnl.gov/ESHQ/ESSH.asp>
3. Your building Local Emergency Coordinator can be found at: <http://www.rhichome.bnl.gov/AGS/Accele/SND/sec.htm>

4. Hurricane Season begins...

2008 HURRICANE RESOURCE (Printable) - This invaluable resource can be printed and posted in workplaces, schools or handed out. CLICK to get 2008 Hurricane Resource free...

<http://www.emergencyemail.org/hurricane2008resource.asp>

Visit National Weather Situation Page (watch for hurricane maps & radar)

<http://www.emergencyemail.org/newsemergency/situationpage/news.asp?sit=27>

4. A general reminder that if there is an incident or injury. Please contact someone from the ESSHQ Division to go to the scene and help investigate. The "scene" of the problem should not be changed so that any evidence is not disturbed.

5. Ticks and Chigger Prevention - Presentation by Robert Selvey (April 2006). What is the difference between a Deer Tick, Dog Tick, and Lone Star Tick? Learn how to identify symptoms of tick borne diseases using the [Tick Borne Disease Information Sheet](#). What can you do to protect yourself?

[Tick Disease Prevention Strategies & Methods](#) - A handout with information on where ticks can be found, life stages, methods to reduce/prevent tick bites, and much more.



Arrivals

Jonathan Beck, Student Collaborator, started on June 9 working with Ted D'Ottavio in the Software Systems Group of the Controls Division.

Luis Brennan, Co-Op Engineer, started on June 25 working with Peter Ingrassia in the Machine Operations Group.

Frank Carlino joined the department on June 23, working with Vincent LoDestro in the Preinjector Systems Group.

Gabriel Herczeg, Student Collaborator, started on June 9 working with Kin Yip in the Physics Support of the Experimental Support & Facilities Division.

Yishu Huang, Student Collaborator, started on June 9 working with Nikolay Malitsky in the Accelerator Physics Group.

Eui Sang Song, Student Collaborator, started on June 9 working with Vincent Castillo in the Access Controls Group.

Victor Williamson, GEM Fellow, joined us on June 16 working with John Morris in the Controls Division.

Frederick Windham, Co-Op Engineer, joined us on June 26 working with Omar Gould in the Preinjector Systems Group.

WELCOME!

Departures

John Brinker, Administrative Group will be terminating effective July 31, 2008.

Daniel Chenet, Mechanical Systems Group will be terminating effective July 31, 2008.

Benjamin Pucci, Controls Division has terminated his employment as of June 6, 2008.

David Warburton, Electrical Systems Group will be terminating effective July 31, 2008.

Transfer

Thomas Nehring, Facilities & Experimental Support Group, will be transferring to Light Source II effective July 14, 2008.

Robert Sikora, Beam Components Group, transferred to Light Source II on July 1, 2008.

GOOD LUCK!



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



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

C-AD Service Award June

30 years	David Kipp Susan Kennell-Hellsten
20 years	John Brinker Daniel Martin
10 years	Joseph Famiglietti

Congratulations!



Get to Know Your CoWorker

Loralie Smart, is an Electrical Engineer in the Vacuum Group, where her responsibilities include maintenance and upgrades of the ion pump power supplies, gauging and PLC programming for the Collider-Accelerator vacuum systems.

After graduating from Stony Brook in 1991, Loralie started at BNL working with the Power Supply Group as an "Engineer-in-Training", a 2-year term appointment for new engineering graduates. In late 1992, Loralie joined the RHIC Project Vacuum Section, and oversaw the RHIC vacuum control systems implementation. "When RHIC construction was completed and the Collider-Accelerator Department was formed, I was glad to return to Bldg. 911." states Loralie.

Loralie and husband Cary Chu met at Stony Brook while working on the IEEE Student Chapter cardboard boat for the 1990 Roth Quad Regatta. Here's a glimpse of their fine vessel, the 15 dB Clipper: (<http://www.matscieng.sunysb.edu/rothrace/90/90-10.jpg>). Loralie and Cary have a 3 year old daughter, Alina, who is a big fan of Blues Clues, Sesame Street, and Dora the Explorer. While Mom and Dad are at work, Alina splits her time between Grandma's house and the on-site day care facility, where her favorite activities are painting and sliding down the the curly slide at the playground. Alina is starting to spell short words, can count to ten in Chinese and Spanish, and is an expert backseat driver. In her own words, Alina "swims like a jellyfish" in the pool they had built last summer. "I could go on and on about what a complete joy Alina is." states Loralie. Loralie periodically updates a web log to capture thoughts and images of Alina as she grows up: http://geocities.com/loralie_s/blog.html. In addition to the new pool, the family has invested in a photovoltaic system – solar electric - for the house. The LIPA rebate, along with State and Federal tax credits, will cover a good portion of the cost of the 7.9 kW system. "We had a contractor who worked well with us and took care of all the paperwork. We estimate that the PV system will generate enough electricity to cover our annual household usage," Loralie says. "It is very satisfying to watch the electric meter turn backward, in addition to feeling good about reducing carbon emissions. We're banking energy credits already, and our bills since March were less than \$6 for basic service."



Princess Alina



Family Portrait



Jellyfish Alina



Princess Pose



Alina Portrait



House with PV Solar Panels



Fun Time

Play the classic game of Blackjack in JavaScript! (You might also know it as "21"). The object of the game is to get the closest to 21. If you get higher than the dealer without going over, you win! Good luck, and don't gamble. J

Score:	Dealer	Card(s):
	Player	Card(s):

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



2008 Annual C-AD Picnic photos taken by Ripp Bowman





Did You Know

Submitted by Jim Osterlund: Just so you can see what you couldn't help hearing a couple of weeks ago.



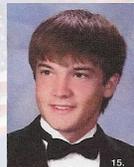
From: Luhrs, Ann Marie
Sent: Friday, June 06, 2008 2:18 PM
To: CAD Personnel List
Subject: Food Drive

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.

Thank you,



Stephen Tuozzolo (son of Joe) graduated Sayville High School in June and he was the 2008 Valedictorian. With a GPA of 105.927, Stephen Tuozzolo ranks first in a class of 288 and has been named Valedictorian. He is a semifinalist in the 2008 Intel Science Talent Search, a National Merit Scholarship Program Finalist and an AP Scholar with Distinction. Next fall, Stephen will begin pursuing a degree in Civil and Environmental Engineering at Princeton.



Dejan Trbojevic, Accelerator Physics Group, daughter **Lena** graduated from Sarah Lawrence College.

CONGRATULATIONS!

-----Original Message-----
From: broadcast-1-bounces@lists.bnl.gov [mailto:broadcast-1-bounces@lists.bnl.gov] On Behalf Of BNL Media & Communications
Sent: Wednesday, July 09, 2008 3:58 PM
To: broadcast-1@lists.bnl.gov
Subject: Camp Activity Advisory

This message is being sent on behalf of the Office of Educational Programs.

Starting tomorrow, and for the next 5 weeks, children from the on-site summer camp will be collecting animal footprint samples on Thursdays on the undeveloped roads in the vicinity of softball fields 3 and 4. Please keep an eye out for the children if you are traveling in that area.

Brookhaven National Laboratory www.bnl.gov
Media & Communications Office Phone: (631)344-4909
Bldg. 400 - P.O. Box 5000 Fax: (631)344-3368

Upton, NY 11973

DID YOU KNOW THAT BNL PROVIDES....

Vision Care Discount Program. National Vision Inc. helps participants enjoy good vision health and save money on vision care needs. The program is easy to use. You pay National Vision Inc. directly for all professional services and receive instant savings from the program's reduced fees. National Vision Inc. is located in the Wal-Mart store in Middle Island at 750 Middle Country Road and can be reached at (631) 345-0065. Appointments are recommended.

The program provides a \$5 discount on the examination fee and 10% savings on eyewear and contact lenses.

This program is available to all BNL employees, retirees and their families. You do not need to sign up for this program. It is automatically available to you whether or not you have medical plan coverage through the Lab. Simply mention BNL at the store to obtain your discount.



The Office of Education is having their annual 2008 Summer Talent Show and is looking for performers! They are opening this to ALL the BNL family-not just students! So, bring your talent to Berkner Hall on July 24th at 5:30pm! Click [here](#) for more info and forms.



Damayanti Naik, Superconducting Accelerator & Electron Cooling Group, and husband Sumanta Kumar Nayak, Vacuum Systems Group, are extremely happy to inform you that "we are blessed with a baby boy." Ankur Kayak was born on June 15th, 3:35 am, 8 lb 3 oz, 21".



Vincent LoDestro, Preinjector Systems Group, family is growing again, 2nd granddaughter born on June 20 to Robert and Rosinda LoDestro. "Our Summer Day Baby, Sophia Rose LoDestro @ 5 lbs, 10 oz, 18.25". Her now 9 month old cousin Giovanna Rose could not be happier, along with Grandpa and Grandma."

CONGRATULATIONS TO ALL!



[BERA info here.](#)



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

Anne and Charley Flood say "Hi" to all and "if you are ever in magical Pinehurst - our house is always open to BNLers."



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



July 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 Lab Holiday	4 	5
6	7	8	9	10	11 Lab Holiday	12
13	14	15 Physics Colloquium "Collisions of granular jets as a classical analog of RHIC collisions, Sidney Nagel, U. of Chicago, 3:30pm, Bldg. 510 Large Seminar	16 438 th Brookhaven Lecture, Guangyong Xu, Condensed Matter Physics, 4pm, Berkner	17 DO Seminar "Current and New Frontiers in Energy Systems and New Energy Opportunities", W. Worek, U. IL-Chicago, 11am, Hamilton Seminar Room, Bldg. 555	18	19 DO Seminar "Experimentally Validated 'Best Estimate + Uncertainty' Modeling of Complex Systems: The Cornerstone of the Emerging Field of Predictive Science", D.G. Cacuci, CEA, France, 11am, Hamilton Seminar Room, Bldg. 555
20	21	22 Sambamurti Lecture "The whole story behind a half: The quest to understand the proton's spin", Christine Aidala, U. of MA-Amherst, 3:30pm, Bldg. 510 Large Seminar	23 BSA Noon Recital "Pianofest" 12noon, Berkner	24	25	26
27 Parent's Day	28	29	30 BWIS Renate W. Chasman Scholarship Award Presentation & Reception, Hosted by Loralle Smart, 5:15pm, Physics Seminar Lounge, Bldg. 510	31		

August 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 Concert featuring LI Rock Band Argent Fantasy 7pm Berkner	2
3	4	5	6	7 Particle Physics Seminar "Search for K ⁰ L→p ⁰ nu nubar by KEK E391a" Takao Shinkawa, National Defense Academy, 3pm, Bldg. 510 Small Seminar	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



