

Particle Post August 2006

What we think, or what we know, or what we believe is, in the end, of little consequence.

The only consequence is what we do.

~John Ruskin

To review previous issues

A Note From Our Chairman



We are now in the midst of the summer shutdown and the DOE review season. During my walk-around, I have noticed lots of activity that was properly planned and safety rules being followed. I am delighted that the safety culture continues to be strong at C-AD. I have however noticed that some experimenters were wearing incorrect footwear. They have been notified of the problem. C-AD personnel who are performing work on electrical switches etcetera, must take special care to wear the appropriate clothing correctly. Congratulations to everyone in avoiding injuries this past month. We are over 575 days without a lost workday and have had zero first aid injuries this year. Keep up this great performance level.

The closeout briefing of the DOE Nuclear Physics review had nothing but good things to say about this years machine performance. They were very excited about the initial results of Mike Brennan's and Mike Blaskiewicz's stochastic cooling work. The Mikes have shown the first evidence of bunched beam cooling, where the experts at CERN and Fermilab had decided long ago that cooling of bunched beams was not possible. Congratulations.

We have been preparing for the next DOE review on operating cost savings, at Germantown on August 14. The four nuclear physics accelerator laboratories, Argonne (Atlas), JLab (CEBAF), ORNL (Hollifield) and we will present information to the committee.

Sunday, August 20, is RHIC Summer Sunday. I would like to urge you to participate and help us tell the public about RHIC the accelerator, experiments and the physics program. It

is great fun informing the public about what we do and why we do it. They are always very interested, and it is often difficult to tell some folks that it is closing time and they have to leave after the one last question ..

Administration



The final power bill for RHIC Run 6 is in and although the June rate of \$87.91 per MWH was 16% higher than the \$75.58 per MWH charged for May, our monthly charge was still substantially lower than estimated.

The current year accumulated savings in power has provided funding for much needed materials to support shutdown activities and has enabled an early start on selected procurements for e-Cooling R&D. Year-to-date expenditures for RHIC Operations, including those for the Stony Brook Foundation funding, total \$77.3M; open commitments are \$5.4M. Total cost and commitment of \$82.7M is 78% of our budget.

The July financial summaries and reports reflect Trim 4, the final budget plan for FY 2006. With what appears to be adequate funding in the current year, the financial group can now focus on financial planning for FY 2007. Although the President's budget provided adequate funding for a run of 30+ cryo weeks in FY 2007, the budget has yet to be passed and rumblings of a Continuing Resolution (CR) are beginning to be heard. In the event of a CR, our initial funding allocations would be based on our FY 2006 funding of \$91.7M. Thus, initial funding allocations would be constrained and could not support an early start for RHIC Run 7.

Effort on EBIS continues as planned with DOE funding of \$2.5M and NASA funding of \$2M available in the current year. DOE Critical Decision 2, Approve Performance Baseline, is anticipated for late this fiscal year and Critical Decision 3, Approve Start of Construction, is anticipated in early FY 2007. It is important to note that we are prohibited from spending any of the \$7.4M in FY 2007 DOE construction funding until DOE is satisfied that we have met all the requirements for CD-3. We are, however able to use NASA funding to begin some critical construction activities one of which is the EBIS beam port.

The Laboratory's Business Systems Division has developed a new financial reporting option in PeopleSoft which will be available within the week. The new option is designed for ease of use with the infrequent user in mind. Using only 3 run time parameters - project number, fiscal year and accounting period - the user can generate a pdf file containing budget and expense, manpower and procurement data related to a particular project number. If you wish to use this new product and do not already have access to PeopleSoft Financials, please contact Ann Lamberti on extension 7611.

Many thanks to all of you who were involved in the Property Walk Through on Wednesday,

August 9. The thirty randomly selected inventory items were easily located, once again demonstrating that C-AD personnel take seriously their responsibility to safeguard government owned equipment. As a reminder, a list of capital and sensitive property for which you are responsible is available through the Employee Self Serve option in PeopleSoft HR.

Machine Update

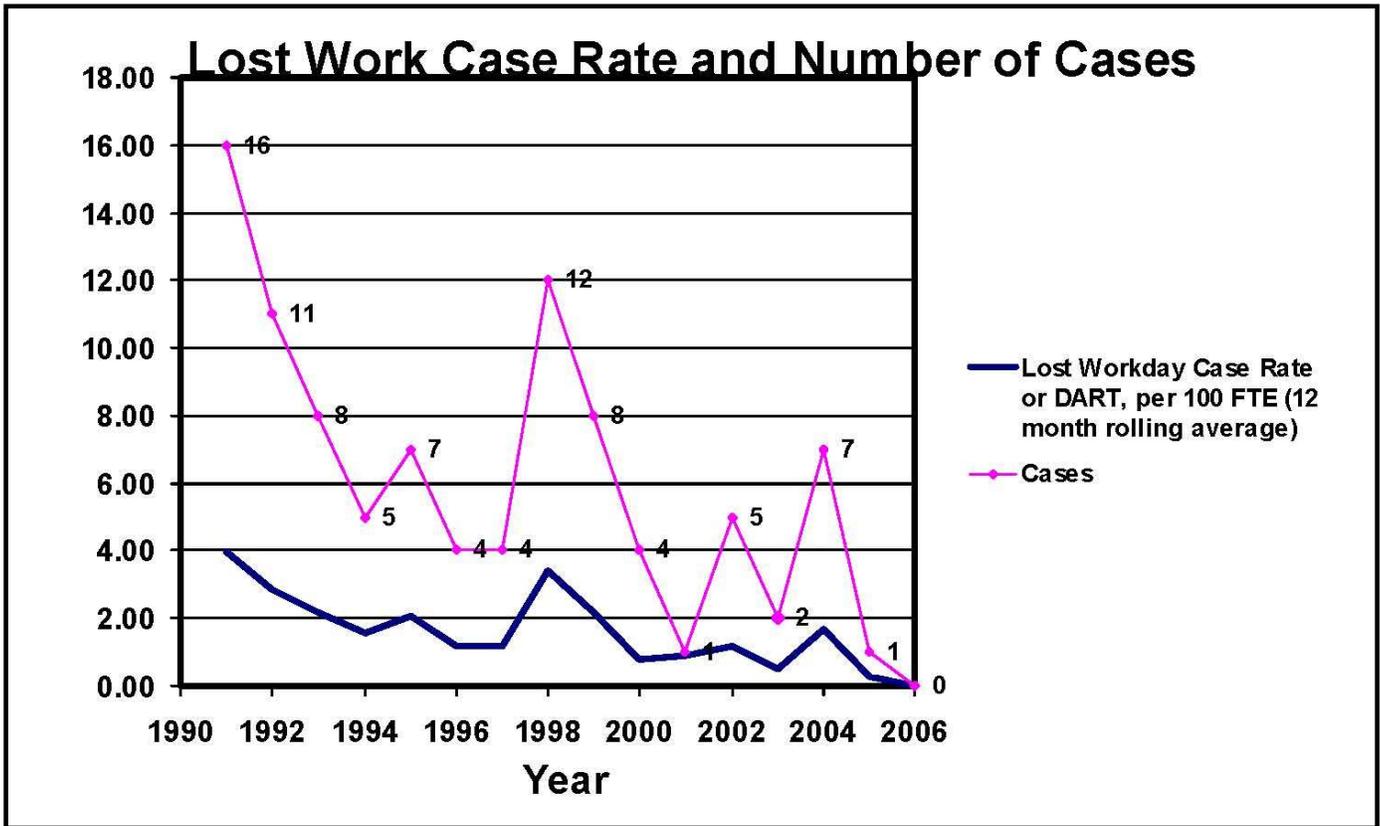


From the beginning of July, after the successful end of RHIC Run-6 and of NSRL Run -6B, RHIC and the injectors are not in operation. The summer shutdown as always is prime time in C-AD for accelerator systems upgrades, improvements and maintenance. We have planned a rather short shutdown this year to be ready to start the RHIC cool-down by mid October, in optimistic anticipation of a long run in FY07. Systems and maintenance groups are working hard towards the challenging goal of timely accomplishing the work planned. To maximize the overall shutdown time, for the first time the RHIC cryogenics system is holding the ring at 80K over the summer, ready for cool-down to 4K.

The RHIC Retreat is also by now a traditional summer event for machine operations, and this year it was held at Danfords Inn in Port Jefferson on July 10-12. Discussion of plans and developments for the accelerators were not limited this time to the 1-year outlook in preparation of the next RHIC Run, but encompassed also the 2-3 years time scale for the enhanced RHIC luminosity and availability goals. I take the opportunity to thank all participants for their relevant and professional contributions.

The present plan for operations sees NSRL starting up on September 11 and, as mentioned, the beginning of the RHIC cool-down on October 16: plans to prepare accordingly the injectors and RHIC for the upcoming runs are in progress.

Safety Stats



C-AD Occupational Injury Statistics

	For Year* 2005	For Year* 2006
First Aid Cases	1	0
Recordable Cases	4	2
Lost Work Cases	1	0

* Calendar Year

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

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

Friday, September 1, 2006

Pete Cirnigliaro



C-AD Summer Students and Mentors 2006



Arrivals

Masahiro Okamura arrived August 7 to work with Jim Alessi in the Preinjector Group.

WELCOME!!

Departures

Eric Mis, Co-Op Engineer, Accelerator Division will be terminating August 23.

Joel Morales, GEM Fellow, Controls Division will be terminating August 18.



Get To Know Your Co-Worker

Yugang Tan works in the Pulsed Power Group and has been working at the Laboratory for four years. He designs and improves the pulsed power supplies in the C-A complex. He has also participated in the design of the Spallation Neutron Source Extraction Kickers.

Yugang met his wife, Ying Chang while in college in China. Ying has recently completed a paralegal study at Suffolk Community College and is looking forward to going to law school. They have a daughter, Selene, who will be 2 years old soon and she enjoys swimming. They are also expecting their 2nd child in September. Yugang enjoys cooking and spending time outdoors.

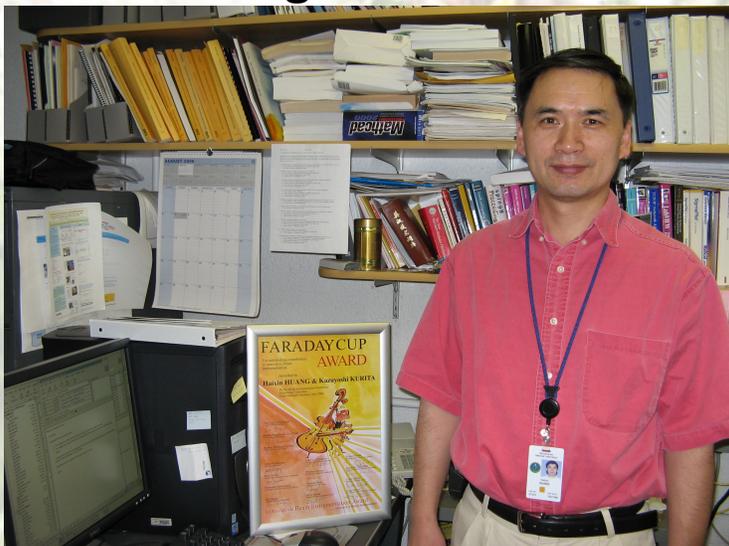


Did You Know?

Thomas Roser (Accelerator Division) has been elevated to the grade of Senior Member of the IEEE. Senior Member is the highest professional grade for which application may be made and requires experience reflecting professional maturity. Approximately 7.6% of 367,000 IEEE members have achieved this grade. Congratulations Thomas!!

Anatoli Zelenski (Preinjector Systems), received official notification that he has received the 2006 Veksler Award, from the Russian Academy of Sciences. I think it went to him and Belov, for work on the development of high intensity polarized ion sources. The actual ceremony is not until December. This is the highest award for accelerator physics in Russia. Congratulations Anatoli!!

Haixin Huang received the 2006 Faraday Cup Award (along with Kazuyoshi Kurito [RIKEN]). The details were posted in the July issue of the Particle Post. But I thought it would be nice to have a picture of Haixin with his award. Congratulations Haixin and Kazuyoshi!!



Subject: Tick Remedy

A School Nurse has written the info below -- good enough to share --

I had a pediatrician tell me what she believes is the best way to remove a tick. This is great, because it works in those places where it's sometimes difficult to get to with tweezers: between toes, in the middle of a head full of dark hair, etc.

Apply a glob of liquid soap to a cotton ball.

Cover the tick with the soap-soaked cotton ball and swab it for a few seconds (15-20), the tick will come out on its own and be stuck to the cotton ball when you lift it away. This technique has worked every time I've used it (and in KY, that was frequently), and it's much less traumatic for the patient and easier for me.

Unless someone is allergic to soap, I can't see that this would be damaging in any way. I even had my doctor's wife call me for advice because she had one stuck to her back and she couldn't reach it with tweezers. She used this method and immediately called me back

to say, "It worked!"

An Itch-Free Summer

Bug Bites What they look like: Red spots of varying sizes. Bites from ticks carrying Lyme disease can resemble a bull's eye: a red ring with a white center. Treatment: If you suspect Lyme disease, see a doctor immediately. For other bites, try calamine lotion or hydrocortisone cream. Prevention tip: Steer clear of tall grass, which harbors ticks, and standing water, which draws mosquitoes.

Poison Ivy, Oak, Sumac What it looks like: Crimson streaks or blotches. Treatment: Wash with soap and water within 20 minutes of exposure to try to head off a reaction. Too late? Wash anyway, and ease discomfort with calamine lotion, oatmeal baths or oral antihistamines (take medications as directed). For severe cases, use an oral or a topical prescription medication. Prevention tip: Recognize poison ivy and oak, which have leaves in clusters of three. Keep pets away from them - plant resin can get on fur, then on you.

Bee, Wasp, Fire Ant Stings What they look like: Red bumps, sometimes as big as a quarter. Treatment: Carefully remove the stinger, and wash the wound right away. An analgesic and ice can help reduce swelling and pain, while an antihistamine or a hydrocortisone cream will help stop the itching. If you have trouble breathing or develop a severe rash or swelling over a large area, see a doctor as soon as possible. Prevention tip: Skip perfume (or heavily scented sunscreen) and bright colors, which attract bees and wasps.

Athlete's Foot What it looks like: Skin may become red or scaly on the sides of the feet or cracked and itchy between the toes. Treatment: Apply an antifungal cream as directed. Prevention tip: Opt for sandals to keep feet sweat-free, or dust them with baby powder before putting on shoes. Wear flip flops around pools and in public showers, and carefully towel off your feet after washing them.

Sunburn Aftereffects What it looks like: Sunburned skin becomes irritated and scaly as it peels. Treatment: A cool compress and aloe can soothe sunburn pain. Prevention tip: If you get a burn, avoid an itchy aftermath by applying an extra hydrating moisturizer immediately and frequently.



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

Birthday people ONLY click on cake

Happy Birthday!!!



C-AD Service Awards July

40 years	Vincent LoDestro
10 years	Alexander Pikin

Congratulations!



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](#)

QOL/BERA/RECREATION SCHOOL SUPPLY DRIVE



Summer 2006

Help local children in need by donating new school supplies to Brookhaven Town Interface- over 18 agencies will benefit.

Drop off your donations to the QOL/BERA/Recreation office in 179B. Call X5090 if you would like items picked up!

Items needed include NEW Pens, Pencils, Binders,

Calculators, Backpacks, Crayons, Notebooks, Markers, Glue, etc. Monetary donations also gladly accepted!

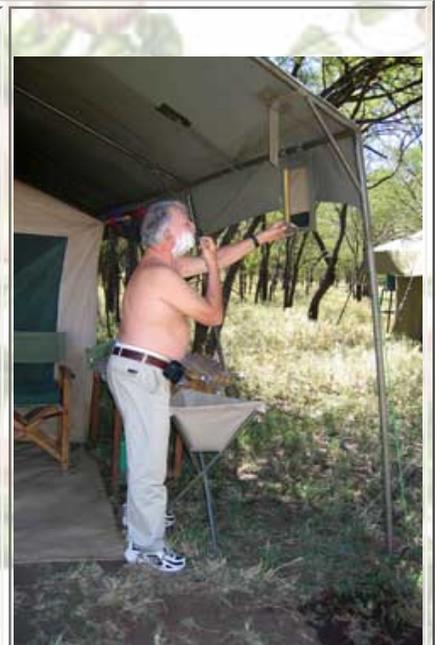




ALUMNI NEWS: AGS/RHIC/C-AD RETIRED CROWD - We'd enjoy hearing from you and what you have been up to. Please send your notes to pmanning@bnl.gov

email received from Dick Witkover:

We went on a photo safari to Tanzania Africa in January. Had a better time than we ever imagined. Carole and I spent 8 nights in tents in the Serengeti, Tarangire and Ngorogoro National Parks and in a private camp at the foot of Mount Kilimanjaro. We were able to get very close to the animals and visited several Maasi villages. I am enclosing some pictures for you to use in case you are interested.





Hopefully one day I can come in and show a digital slide show for you all. I still haven't gotten around to showing the one on Peru and Ecuador (Galapagos) we did over a year ago.

You can see more pictures on my website:

<http://www.geocities.com/witkover/tanzania/tanzania.htm>

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





August 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16 Health Promotion Lecture "Elder Law Series", Nancy Burner, Noon, Berkner, Room B	17	18	19
20	21	22 Nuclear Physics Seminar "The Initial Eccentricity in Heavy-Ion Collisions, and Its Effect on Elliptic Flow at High Transverse Momentum", Adrian Dumitru, U. of Frankfurt, 11am, Small Seminar Room, Bldg. 510	23	24	25	26
27	28	29	30	31		

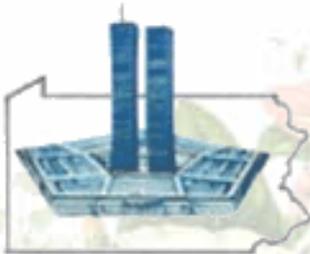


September 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 Hispanic Heritage Month	2
3	4 Labor Day HOLIDAY	5	6 Synergy Quintet Brass Ensemble in Concert, noon, Berkner Hall	7	8 International Literacy Day	9
10	11 Patriot Day BSA Distinguished Lecture "Confessions of a President's Science Advisor", Neal Lane, Rice U., 4pm, Berkner Auditorium	12 BSA Distinguished Lecture "The End of an Era - Science in a flat world", Neal Lane, Rice U., 4pm, Berkner Auditorium	13	14	15	16
17	18	19	20	21 International Day of Peace	22 Rosh Hashanah	23 First Day of Ramadan Autumn Begins

24	25	26	27	28	29	30
----	----	----	----	----	----	----

**Brookhaven
Accelerator
Forum "Report
of the HEPAP
Subpanel on the
Assessment of
Advanced
Accelerator
Research and
Development", I.
Ben-Zvi, C-AD,
4pm, Berkner
Rm B**



**We Remember
Sept. 11, 2001**

Editor: Pamela Manning x4072