

Calendar

Tuesday, August 23

3:30 p.m. Director's Coffee Break -
2nd Flr X-Over

Note: There will be no Accelerator
Physics and Technology Seminar today

Wednesday, August 24

3:30 p.m. Director's Coffee Break -
2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West
Speaker: Z.-T. Lu, Argonne National
Laboratory/Enrico Fermi Institute
Title: Atom Trap, Krypton-81, and
Saharan Water

Note: There will be no Fermilab ILC R&D
Meeting this week

Weather



Mostly Sunny **74°/54°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Tuesday, August 23

Chicken Broccoli & Cheese Soup
Hickory Smoked BBQ Pork \$4.85
Breaded Veal w/Mushroom Cream Sauce
\$3.75
Spaghetti with Meatballs \$3.75
Toasted Almond Chicken Salad \$4.75
Supreme Baked Pizza \$3.50
Chicken Tostadas \$4.85

The Wilson Hall Cafe now accepts Visa,

Koolbeck Receives DC Educator Fellowship



Particle Physics Division Guest Scientist
Deborah Koolbeck will work on science policy
issues in New Jersey Congressman Rush
Holt's office for the next ten months. (Click on
image for larger version.)

Particle Physics Division Guest Scientist
Deborah Koolbeck has been chosen by
the U.S. Department of Energy and the
Triangle Coalition as one of four Albert
Einstein Distinguished Educator Fellows
to serve on Capitol Hill. Koolbeck will
spend the next ten months working in
New Jersey Congressman Rush Holt's
office in Washington, D.C.

"I want to change the world," Koolbeck
said with a grin. "I know that realistically I
can't do it in ten months, but I'm going to
try."

In Holt's office, Koolbeck will provide
practical insights and "real world"
perspectives to policy makers. Among
other responsibilities, she will help run the
R&D and Biomedical Caucuses; write
speeches for Congressman Holt; work on
math and science education legislation
including the No Child Left Behind Act;
and examine the effectiveness and
content of upcoming standardized testing

Director's Corner

Tribal Proceedings

After a week of the Snowmass workshop,
progress towards a common design is
palpable.

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Snowmass workshop,
progress toward a
common design is
palpable. The tribal
elders, veterans of a
hundred battles, and
the youngsters, yet to



Pier Oddone

approach their first,
are deep in studies and discussions,
focused on defining a baseline description
of the ILC. Enthusiasm for every option
that adds capability is tempered by the
firm desire to make the facility as
affordable as possible. Those of us old
enough to have lived through the SSC
days bring the absolute determination to
do things differently: to build a facility that,
from the beginning, integrates the best
international consensus and whose initial
cost envelope is one that will endure for
the life of the project.

Identifying all the decisions to be made
and the factors that come into play for
each of them is already a formidable task.
The decisions are not independent, since
any one decision has the potential to
affect others. At the end of the first week
at Snowmass many decisions have been
made but many others remain. A
spreadsheet with more than 40 key
decisions is circulating among the
participants. As many decisions as can be
made will be made. For the others, the

Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, August 24

Lunch

Curried Chicken & Pineapple Salad
Raspberry Sherbet w/Raspberry Sauce

Thursday, August 25

Dinner

Melon and Prosciutto
Scallops in Maple Cream
Sautéed Pea Pods
Black Forest Parfait

[Chez Leon Menu](#)

Call x4512 to make your reservation.

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in science.

Koolbeck has conducted technical R&D and simulations for various incarnations of NOvA for the past three summers.

During the school year, Koolbeck teaches physics, astronomy and chemistry at the Chicago Academy for the Arts and is an educator at the Chicago Museum of Science and Industry.

"During my time at Fermilab, I have gained a deeper understanding of the scientific process, which is so much more than just the physics itself," she said. "The politics of justifying what you hope to achieve to those with funding, taking into account their goals and motivations, is undeniably important."

—*Kelen Tuttle*

Accelerator Update

August 19 - August 22

- During this 72 hour period Operations established three stores that combined with an existing store provided the experiments with approximately 39 hours of luminosity
- Pbar emittance problems
- Thunderstorm aborts store and quenches TeV
- Recycler stash lost

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

In the News

work necessary to reach those decisions will be outlined. By the end of the year, the baseline configuration document will have been established that will guide the R&D in future years. Some Snowmass participants will see their favorite recommendations on how to build the ILC left on the cutting room floor. The value of the Snowmass workshop where all the choices are discussed in full with all participants is that it will make it easier for everyone to understand and line up behind a common international design.

Announcements

Fermilab Health Fair

The Fermilab Health Fair, complete with demonstrations, screenings, and health information, will take place on Thursday, September 8 from 11:00 p.m. until 2:00 p.m.

Upcoming classes

September 12 & 13: Word Intro & PowerPoint Intro
September 27: Excel Intermediate
September 28: Word Intermediate
October 11: Excel Advanced
October 12: Word Advanced
October 12 & 19: Interpersonal Communication Skills

[More Information](#)

Power Outage

The power will be cut to EAD Operations Center (although there should be a generator there to keep power up) on Saturday, August 27, from 7 a.m. to 4:30 p.m.

PC Manager Meeting

The August PC Manager meeting will be held Wednesday, August 24th, from 9:00 - 10:00 a.m. in WH8X. There will be

From *Science and Technology News*, August 19, 2005

'The Infinite Book' and beyond ...

By John D. Barrow

Infinity has haunted human minds for thousands of years.

It challenges theologians and scientists alike to understand it, cut it down to size, find out if it comes in different shapes or sizes, and decide whether we want to outlaw it or welcome it with open arms into our human descriptions of the universe.

It is also a live issue. Physicists' quests for a theory of everything has been primarily guided by an attitude toward infinities. When asking a question of particle physics, for example, the appearance of an infinite answer was always taken as a warning that you had made a wrong turn in your search for a theory of everything.

So, for decades, the inevitable appearance of infinity was managed by a strange subtraction procedure that removed the infinite part from the calculation, only to leave a finite residue to compare with the actual observation.

[Read More](#)

updates on software licenses and security as well as an open discussion regarding recent security vulnerabilities and rethinking the way the lab handles machine management.

Vending Machines Out of Service

Vending machine services will not be available for 2 to 3 days this week. The vending machine operation for the entire Lab is being transferred to another organization during this time. Full service should be restored by the end of the week. [More Information](#)

Fermilab Bowling League

Fermilab Wednesday night bowling league is currently looking for a few bowlers to fill some empty teams we are looking for individuals or complete teams. Interested parties should contact Robert Hively (x4467) or Al Legan (x4074). [More Information](#)

German Elections

German citizens interested in voting in the September 18th Bundestag elections must request absentee ballots from the electoral register of their German city of residence. [Election Information](#); [Registration Information](#)

[Upcoming Activities](#)