

## Calendar

**Wednesday, Jan. 16**

**3:30 p.m.**

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over

**4 p.m.**

[Fermilab Colloquium](#) - One  
West

Speaker: R. Roser, Fermilab  
Title: The Tevatron and the  
CDF Experiment – A Year in  
Review

**Thursday, Jan. 17**

**1 p.m.**

Physics and Detector Seminar  
- West Wing, WH-10NW

Speaker: W. Morse,  
Brookhaven National  
Laboratory

Title: The Far Forward Region  
of ILC Detectors

**2:30 p.m.**

[Theoretical Physics Seminar](#) -  
Curia II

Speaker: J. Shu, University of  
Chicago

Title: Top Compositeness at  
the Tevatron and LHC

**3:30 p.m.**

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO  
ACCELERATOR PHYSICS  
AND TECHNOLOGY  
SEMINAR TODAY

[Click here](#) for NALCAL,  
a weekly calendar with links  
to additional information.

## Weather



**Cloudy 39°/29°**

[Extended Forecast](#)  
[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Feature

### DZero collaborator awarded APS Fellowship



DZero collaborator  
Meenakshi Narain  
is a 2007 APS  
fellow in the  
Division of Particles  
and Fields.

Last week, DZero  
collaborator Meenakshi  
Narain of Brown University  
was elected an American  
Physical Society Fellow in  
the Division of Particles &  
Fields, an honor bestowed  
annually on only one-half  
of one percent of the APS  
total membership. Narain  
was elected for her  
important contributions to  
the measurement of the  
properties of the top quark.

"I am really honored by this recognition from my colleagues," Narain said. "I thank the DZero collaboration and Fermilab for the opportunity to contribute to the discovery of the top quark and to study its properties."

"We congratulate her," said Dmitri Denisov, DZero co-spokesman. "We feel that this is also a success story for DZero, for the Tevatron and for Fermilab."

Narain began her tenure at Fermilab in 1991 as a postdoc. She joined the DZero experiment before its first collisions and collaborated in the discovery of the top quark in 1995.

"She was deeply involved in every area from developing tools and software to the discovery itself," said Denisov.

After the top quark's discovery, Narain continued to study the particle and its properties, recently contributing to the search that produced the first evidence of the single top production. She also worked on the DZero tracking trigger upgrade for Run IIb. "As co-manager of the track trigger upgrade, she kept the project on time and under budget," said co-spokesman Darien Wood. "This trigger was running and being used for physics from the very beginning of the run."

In recent years, Narain has split her focus between DZero and the CMS experiment. She is a co-leader of one of the new LPC physics

## From the Technical Division

### Tempora mutantur et nos mutamur in illis

*Today's column is written by Giorgio Apollinari, head of the Technical Division*

"The times are changing, and we are changing with them." (Cicero)

Recent and well known events are altering our perception of the future, but at the same time are allowing us to recover lost ground on activities that are also of critical importance for our field and address basic questions from a different perspective from the ILC.

Several engineers and technicians who worked on the ILC cryomodule construction had appropriate experience to join the 3.9 GHz development effort. This effort is part of a collaboration and technology transfer with DESY and benefits from the unique capability, developed at FNAL, to build and test cavities that can be operated also in the "deflecting" mode. "Deflecting," or "crab" cavities, could benefit LHC upgrades and represent a possible path for our future involvement in upgrades at the high energy frontier at CERN.

Some of the scientists and engineers working on the ILC focusing elements are now revamping our R&D effort on LHC magnet upgrades. This effort will increase the luminosity of the CERN collider and places us in the best position to pursue major discoveries at the CMS experiment.

Finally, the experience and expertise of several engineers and scientists from the ILC effort will bring extraordinary help to our accelerator R&D tasks, such as the muon cooling and muon collider efforts or the High Intensity Neutrino Source. These activities will benefit Project X and the high intensity frontier at Fermilab.

The past two weeks have taught that even a major debacle provides opportunities for



Giorgio Apollinari

**Wilson Hall Cafe****Wednesday, Jan. 16**

- Italian wedding w/meatballs
- Diner style patty melt
- Chicken w/Yucatan sauce
- Mongolian beef
- BLT wrap
- Assorted slice pizza
- Chicken w/pesto cream

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, Jan. 16****Lunch**

- Catfish fillet Veracruz
- Green rice
- Corn and red pepper

**Thursday, Jan. 17****Dinner**

- Closed

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Archives**[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

Fermilab Today

is online at:

[www.fnal.gov/today/](http://www.fnal.gov/today/)

Send comments and suggestions to:

[today@fnal.gov](mailto:today@fnal.gov)

groups based on the topology of events that will come from CMS.

"It is nice to finish something I started a decade and a half ago, and to continue with that knowledge at the LHC," Narain said. She looks forward to exciting physics in the near future at both the Tevatron and the LHC.

-- *Rhianna Wisniewski*

**Budget News Update****Kane panel calls for Fermilab assistance**

From *Chicago Tribune*,  
Jan. 16, 2008

*Loss of federal funds called 'crippling'*

A Kane County Board committee Tuesday recommended that the full board join the chorus of public entities looking to head off budget-related layoffs at Fermilab in Batavia.

The Development Committee recommended a resolution in support of supplemental funding for the national physics lab on Farnsworth Avenue. The resolution mirrors similar ones adopted in recent weeks by several Fox River Valley communities where many Fermilab employees live. Roughly half the lab's workforce lives in Kane County, said Economic Development Director Chris Aiston.

[Read More](#)

**Related story:**

**Kane might join Fermilab fight**  
*Daily Herald*, Jan. 15, 2008

[Read More](#)

**Interview: Raymond Orbach Responds to DOE Budget Crisis**

From *Science Now*, Jan. 16, 2008

These have been trying times for Raymond Orbach, the undersecretary for science at the U.S. Department of Energy (DOE)--and for the U.S. physical scientists who depend on funding from his department.

Two weeks ago, Congress slashed \$400 million in



skilled and motivated people to contribute to science and the future of our laboratory.

**Safety Update****ES&H weekly report, Jan. 15**

This week's safety report, compiled by the Fermilab ES&H section, lists no incidents. Fermilab employees now have worked 34 days without a Recordable Injury, and 101 days since the last injury that resulted in restricted or lost time. The full report is [here](#).

[Safety report archive](#)

**Announcements****[Have a safe day!](#)****Project X physics workshop Jan. 25-26**

Fermilab will host a second users' workshop Jan. 25-26 to discuss the physics of Project X. The workshop will focus on the details of the experiments that might be proposed to take advantage of a high-intensity proton source, their physics impact and the development of the overall experimental strategy. Information about the workshop, working groups and ongoing efforts is available [online](#).

**New location for International Services**

The Visa Office and Assignment Services have joined the User's Office to form International Services. The office has moved to the first floor of Wilson Hall on the west side. The contact information is as follows: Amanda Petersen, x4203; Barb Book, x3111; Melissa Clayton Lang, x3933; and John Galvan, x3811. The mail stop is MS 103 and the fax is x3688.

**403b counseling today**

Jim Stair from Fidelity Investments will be onsite today, Jan. 16, to conduct individual counseling sessions for Fermilab employees eligible and participating in the Fermilab 403b. Meetings are scheduled on a first come, first serve basis and will take place in the Aquarium. They generally last 30 minutes and can cover a range of topics from asset allocations to retirement income planning. In order to schedule a meeting go visit [www.fidelity.com/atwork/reservations](http://www.fidelity.com/atwork/reservations), or call 1-800-642-7131.

**Blood drive success**

Heartland Blood Centers thanks Fermilab employees for participating in December's blood drive. A total of 113 units of blood were

proposed increases for the 2008 budget of DOE's Office of Science, the largest supporter of basic research in the physical sciences in the United State. The cuts wreaked havoc on DOE's programs in fusion and particle physics and took a big bite out of its efforts in "basic energy sciences" such as chemistry and materials sciences. Funding was zeroed for the U.S. contribution this year to the multibillion-dollar International Thermonuclear Experimental Reactor, and U. S. participation in the proposed International Linear Collider particle physics experiment was also effectively stopped, jeopardizing the project's existence. The rollbacks are also forcing hundreds of layoffs at two of the Office of Science's national labs and have led to deep cuts in running time at x-ray sources and other user facilities at the other eight.

### [Read More](#)

See all related news stories [here](#)

[Ray Orbach is the undersecretary for science at the U.S. Department of Energy](#)

collected. These helped many during the holiday season. Many thanks to all for their most generous contribution.

### **Pidgin: Secured Onsite Instant Messaging Client course**

A course on Pidgin, an instant messaging client supported by the Computing Division, will be offered Feb. 12 and 14. Learn what instant messaging has to offer and how to use Pidgin. [Learn more and enroll](#)

### [Additional Activities](#)