

Calendar

Tuesday, September 7

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Accelerator Physics and Technology Seminar - 1 West

Speaker: F. LePimpec, Stanford Linear Accelerator Center

Title: Better Pumps: From Light Bulbs to Accelerators

Wednesday, September 8

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO FERMILAB COLLOQUIUM THIS WEEK

Wilson Hall Cafe

Tuesday, September 7

Italian Minestrone soup

Mushroom Swiss Burger \$4.75

Chicken Parmesan \$3.50

Beef Stew \$3.75

Italian Ciabatta \$4.75

Pizza Supreme \$2.75

Pesto Capallini Leeks & Tomatoes \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Mostly Sunny **74°/51°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Search

TeV4LHC Workshop September 16-18



TEV LHC Poster (Click on image for larger version.)

The first in a series of TeV4LHC workshops will take place next Thursday through Saturday at Fermilab. Physicists from Fermilab and institutions around the U.S. and Europe will meet to discuss how data and experiences from the Tevatron can be used in preparing for the LHC experimental program.

"With Run II going full tilt and the LHC only three years away, we want to use the unique knowledge gained from the Tevatron to ensure that we can get the best physics possible out of the LHC," said Fermilab theorist Marcela Carena, one of the conference organizers. "Early discoveries at the LHC will depend on the quick resolution of difficult physics and detector issues, many of which CDF and DZero are already dealing with."

The workshop will include overviews of the physics challenges at the Tevatron and those expected at the LHC, and several working groups will hold parallel sessions to discuss the overlap of physics at the LHC and the Tevatron and to make plans for more detailed studies.

Director's Corner

Good Morning

As children returned to classrooms around the US last week, a terrible tragedy unfolded at a school in Beslan, Russia.

Violence claims lives every day, but when the victims are children we are even more deeply affected.



Mike Witherell

At Fermilab, it is both our privilege and our responsibility to carry forward the tradition of a field long known for its leadership in international collaboration. This tradition allows us to know one another as people as well as representatives of other nations. Fermilab has many close ties with Russia. Russian scientists and engineers are leading members of our staff, and many from Russian institutions participate in D0, CDF, MINOS, BTeV, and CMS. To all of our Russian colleagues, we express our sorrow.

I ask you to observe three minutes of silence today, throughout the laboratory, beginning at 12:00 noon, in sympathy and solidarity with our Russian colleagues here at Fermilab and around the world.

Accelerator Update

Search the Fermilab Today Archive

Info

Fermilab Today is online at:

<http://www.fnal.gov/today/>

Send comments and suggestions to

today@fnal.gov

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"We want to begin communication and strengthen collaboration between physicists working on the Tevatron and the LHC," said fellow organizer Stephen Mrenna. "So far there has been great enthusiasm from physicists in both communities, and we are already planning future workshops at Fermilab, Brookhaven, and CERN."

All Fermilab employees and users are invited to the workshop. There is no registration fee, but participants are encouraged to [register](#).

[Conference Web page](#)

In the News

From *Science*, September 3, 2004

Telescopes Break New Ground in Quest for Cosmic Rays

by Daniel Clery

To trace the origins of mysterious particles from space, researchers are building instruments that reap novel benefits from being planted on terra firma. In 1912, Austrian physicist Victor Hess set out to find the source of a mysterious radiation that was plaguing electrical experiments of the day. Most scientists thought it came from radioactive minerals in the ground. But in a series of daring balloon flights that reached heights of several kilometers, Hess showed that the radiation increased with altitude and did not wane even during the night or a near-total eclipse of the sun.

[read more](#)

August 30 - September 3

The accelerator complex is in its 2nd week of a 13-week shutdown.

Tevatron:

- Four sectors warmed up to room temperature, rest at liquid-nitrogen temperature

- 20% of shimming of dipoles complete

Linac:

- Drift Tube Tank #1 Vacuum Repairs

Booster:

- Vacuum Work - 48% complete

Antiproton Source:

- Quads alignment complete

- Quads alignment complete

- Quads alignment complete

[View the current accelerator update](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Scottish Country Dancing

Scottish Country Dancing will be held at 7:30 p.m., Tuesday, September 7, at the Geneva American Legion. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Upcoming classes:

October 5 - Excel Intermediate

October 6 - Access Intermediate

October 19 - Word Advanced

[Click here for more info](#)

Fermilab Barnstormers Meeting Wednesday

The Fermilab Barnstormers, Model Aeronautic Club, will have its next meeting on Wednesday, Sept 8 at 5:30 p.m., at the Frello Flying Field. Meetings are held on the second Wednesday of each month. The club will meet in the Users Center if it rains. New members are welcome. Current members fly control line, R/C gas and electric planes. The club also has members who fly

helicopters! Try out the trainer club plane, bring something to fly, or come and watch. [More Information](#)

Wilson Hall Power Outages

* Power will be out September 13 for half an hour starting at approximately 7:00 a.m.

* Power will be out September 24 for half an hour starting at approximately 7:00 a.m.

For more information, contact Wilson Hall Building Manager, Stan Boyson at x4753.