

Calendar

Tue., December 19

3:30 p.m. Director's Coffee Break - 2nd floor crossover

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wed., December 20

3:30 p.m. Director's Coffee Break - 2nd Floor Crossover

THERE WILL BE NO COLLOQUIUM THIS WEEK

THERE WILL BE NO FERMILAB ILC R&D MEETING THIS WEEK

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

Weather



Sunny 41°/25°

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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Tuesday, December 19

- Creamy Turkey Vegetable
- Chicken Gyros
- Salisbury Steaks w/Mushroom Au Jus
- Chicken Cacciatore
- Italian Panini w/Provolone
- Assorted Slice Pizza

[Wilson Hall Cafe Menu](#)

Chez Leon

Feature Story

Guarding your privacy, one computer at a time



Each division, section and major experiment at Fermilab has a Windows Policy Committee representative.

When you began work this morning, you probably logged on to your computer without worrying about a hacker viewing your password. If you sent files to another division, you did not need to ask if their operating system is compatible with yours. Fermilab owes its homogenized computer standards to the Windows Policy Committee. If you haven't heard of this committee, it means they are doing their job well.

"We've made it so people do not have to worry about these things," said Ken Fiddler, committee member from the Computing Division. "And we've done all the work behind the scenes."

Without a central committee setting guidelines, the lab's computing environment would be open to infiltration and people would find it difficult to share information--like it was a few years ago.

"In the old days of Fermilab, everyone did their own thing with their computers," said Jack Schmidt, committee chairman. "It was a major hassle if people needed to share information between divisions." Prior to the launch of Windows 2000, representatives from each section division and major experiment joined to form the Windows Policy Committee to oversee the lab's on-site Windows environment.

Last week the committee celebrated a

Director's Corner

2006

2006 is rapidly coming to a close.

It has been an extraordinarily productive year for Fermilab. In terms of physics results it is probably the best vintage since the year the laboratory discovered the top in 1995.



Pier Oddone

The measurement of Bs mixing by CDF and DZERO, the first evidence of single top quark production by D0 and the precision measurement of the top mass by CDF and D0 are three remarkable results among the phenomenal physics output that these collaborations have achieved. They have produced approximately one refereed publication a week. The year also brought beautiful results from MINOS after only a year of running and the early results from Pierre Auger.

The Tevatron has broken record after record in luminosity, and we have had record performance in the neutrino beams both for MINOS and MiniBooNE. MiniBooNE has done a remarkable job in resolving the difficult analysis issues it confronted a year ago and will present its results in early 2007. CDMSII resolved initial cryogenic problems and is running well with five towers in the Soudan mine. Across the board the stage is set for great results in 2007.

The LHC and CMS commissioning is going very well overall, but the quadrupole magnets built at Fermilab did not perform as required during pressure tests. The failure in the internal heat exchanger is both a problem of design as well as testing. The laboratory is giving this problem its highest priority and will be helping CERN to repair the magnets and minimize any schedule impacts.

Progress on the development of the ILC has continued vigorously, with the Reference Design and cost estimate to be presented at the Beijing GDE meeting in early February. The infrastructure to support superconducting RF technology is taking shape at Fermilab. In the meantime, the DOE has doubled the

**Wednesday, December 20
Lunch**

Salmon and Spinach
Wellington
Mixed Greens w/Radishes
and Raspberry Vinaigrette
Chocolate Cake w/Raspberry
Sauce

**Thursday, December 21
Dinner**

Chestnut Soup w/Cognac
Cream
Lobster Tail w/Champagne
Butter Sauce
Spaghetti Squash w/Green
Onions
Spinach Salad w/
Pomegranates
Raspberry Parfait w/
Assortment of Christmas
Cookies

[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/

Send comments and
suggestions to:
today@fnal.gov

milestone that has been in the works for six years: the elimination of the last log-on service that did not conform to the lab's standards. As the last NT4 computer domain received its final shutdown Fermilab's migration to a kerberized Windows domain was complete. Kerberos is an authentication protocol that insures data integrity.

"We've made the computer environment more secure and more efficient," said Schmidt. "We can apply changes to hundreds of computers without having to visit each one."

--D.A. Venton

Photo of the Day

Sunrise, Sunset: Mike Becker of Roads and Grounds took this picture last Thursday morning at site 37. He wrote "you have had a lot of sunset pictures lately. Here is a sunrise."

In the News**American Institute of Physics/
Jefferson Lab,
December 18, 2006:****H. Frederick Dylla to Head the American
Institute of Physics**

College Park, Maryland – December 18, 2006 – H. Frederick Dylla has been selected to be the next Executive Director and CEO of the American Institute of Physics (AIP), a not-for-profit organization which publishes scientific journals and provides a wide range of services for individual scientists, students, the general public, and its ten Member Societies devoted to physics and related sciences.

The announcement was made today by Mildred S. Dresselhaus, chair of AIP's Governing Board.

[Read More](#)

budget for the ILC in the proposed President budget for 2007.

We also continued to make improvements in operations, starting with our performance in ES&H, which continues to improve as measured by the TRC and DART rates. We reviewed operations across the laboratory and have carried out substantial a reorganization to achieve excellence in all our operations.

The P5 committee, following the national academy EPP2010 report, drafted a specific roadmap for particle physics over the next few years. It calls for support of the LHC and ILC, and the start of three additional projects in which Fermilab plays a leading role: NOvA, DES and SuperCDMS-25kg.

While producing physics, setting the stage for future discoveries and working with the national advisory committees on a national roadmap, we also created a new entity to manage and operate Fermilab, the Fermi Research Alliance. FRA's proposal was successful and the DOE considered the proposal outstanding. The alliance between URA and the University of Chicago in forming FRA opens great opportunities and promises a new era for the laboratory.

Now all we need is a good budget for 2007! Nothing is as helpful towards this goal as great performance.

Have safe and happy holidays with your family and friends!

Accelerator Update**December 15 - 18**

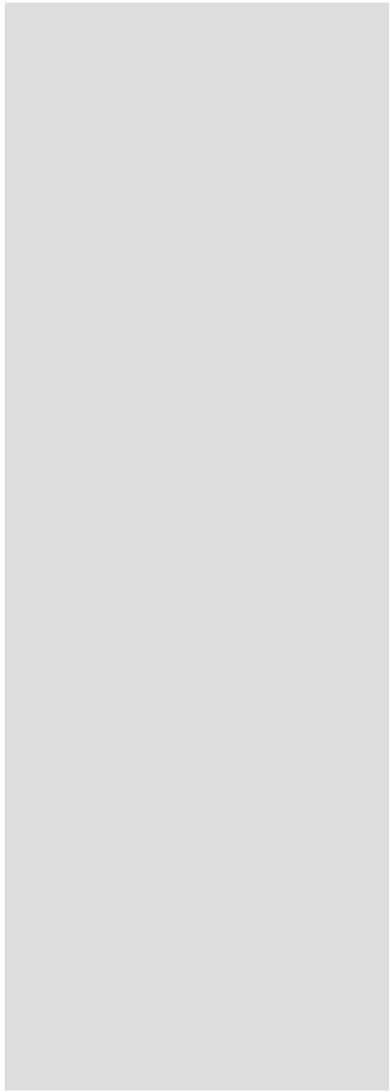
- Three stores provided 55 hours and 42 minutes of luminosity
- Electron cooling off due to LCW leak
- MiniBooNE resumes running with horn
- Meson experiment starts and ends its run this weekend
- Store 5128 sets second highest luminosity
- Store 5128 aborted due to lead trip

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements



Time to think about retirement plans

As the end of the year approaches, it is time to think about your retirement savings for the upcoming year. Effective January 1, 2007, the maximum amount that you can contribute to your 403(b) supplemental retirement account increases to \$15,500. Employees that are age 50 or older, or who will turn 50 during 2007, may make additional catch-up contributions of up to \$5000. If you want to change your contribution, you will need to complete an agreement for salary reduction form, which can be obtained from the Benefits Office. If you have questions, please contact Scott Lindsey at extension 4362 or Mary Todd at extension 4361.

Chez Leon needs a Santa

Chez Leon is looking for someone to dress as Santa Claus on December 20 at lunchtime and December 21 at dinnertime. For more information please contact Tita on ext. 3524 Tuesday mornings or Wednesdays before 2:00 p.m.

Recreation Holiday Closing

The Recreation Office and Recreation Facility--including the gymnasium--will be closed December 23 through January 2. If you want to purchase AMC tickets or gym memberships, you must do so by Friday, December 22 by noon.

[Upcoming Activities](#)