

## Calendar

### [Have a safe day!](#)

Tuesday, Feb. 23  
3:30 p.m.

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

Wednesday, Feb. 24  
3:30 p.m.

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
4 p.m.

### [Fermilab Colloquium](#) - One

West  
Speaker: Joseph  
Polchinski, Kavli Institute  
for Theoretical Physics  
Title: Gauge/Gravity Duality

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

### [Upcoming conferences](#)

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## H1N1 Flu

For information about  
H1N1, visit Fermilab's flu  
information [site](#).

## Weather



Snow

32°/16°

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

## Special Announcement

### CD investigating outage, running at reduced power

On Wednesday morning, Feb. 17th, at 03:48 CST, a main breaker at the Feynman Computing Center tripped, causing power loss for many IT and scientific services for the Fermilab community and beyond to the Grid community. Throughout Wednesday and Thursday, Computing Division staff restored almost all IT services and most scientific computing services, after consultation with representatives of the service providers and experiments when that was possible.

This partial restoration of service is not a sustainable solution. The Computing Division and FESS are currently performing a root cause analysis of the breaker trip. Until this analysis is complete, and to lessen the risk of another trip, the facilities team has recommended operating the breaker at a reduced load consistent with our understanding of its ability to run without further trips. This means that we cannot now power up all services, and we may have to move some equipment to other CD computing rooms.

The Computing Division together with FESS are making an evaluation of the maximum power available and a plan for powering up all equipment as quickly as possible. If you have questions about the availability or priority of systems or services, please contact the Fermilab Service Desk, x2345 or <http://servicedesk.fnal.gov>. As the Computing Division gathers more information, we will continue to provide updates.

-- Vicky White, acting associate lab director for computing

## Photo of the Day

## New employees

## Director's Corner

### Yearly budget review

Once a year in February we make a very extensive budget presentation to the DOE Office of High Energy Physics. Last week seven senior managers of the laboratory traveled to DC for a full day of presentations to Dennis Kovar, DOE associate director for HEP, and the managers of the various programs in his office. The presentations, contained in 190 slides, followed a prescribed format and described how the laboratory would adjust to and perform under three budget scenarios from now through 2016. These yearly presentations provide essential information for OHEP in preparing and defending the budget for the 2012 fiscal year and beyond.



Pier Oddone

This year our situation is much clearer than it was either last year or the year before. In 2008, we had severe budget cuts that led to furloughs and a voluntary separation program; and we did not know whether we would secure the needed supplemental funding to restore our programs. In 2009, the Congress had a continuing resolution through March at the disastrous level of funding of FY2008, and we did not know where the budget would finally settle. By contrast this year we received our FY2010 budget early in the fiscal year and the proposed President's budget for FY2011 is pretty much steady as she goes, with a 2.3 percent increase for HEP.

Of the three budget scenarios OHEP asked us to analyze, we speculate that the middle scenario is the most likely prediction by OHEP for what lies ahead. This was a fairly restrictive scenario with only 2 percent growth per year through the next five years for the core programs of the laboratory. In this scenario the ramp-up of our two large projects, LBNE and Mu2e, balances the decrease in the Tevatron

## Current Security Status

### Secon Level 3

## Wilson Hall Cafe

Tuesday, Feb. 17

- Breakfast: bagel sandwich
- Chicken & rice soup
- Italian sausage w/ peppers & onions
- Beef stroganoff
- Lemon chicken
- Peppered beef
- Assorted sliced pizza
- Chicken tostadas

### Wilson Hall Cafe Menu

## Chez Leon

Wednesday, Feb. 24

Lunch

- Wasabi- and panko-crusted pork loin w/ gingered soy sauce
- Jasmine rice
- Pea pods and carrots
- Cold lime soufflé

Thursday, Feb. 18

Dinner

Closed

### Chez Leon Menu

Call x3524 to make your reservation.

## Archives

### Fermilab Today

### Result of the Week

### Safety Tip of the Week

### CMS Result of the Month

### User University

### Profiles

### ILC NewsLine

## Info

### Fermilab Today



New employees who began work on Feb. 15.  
Front row from left: Beth Dahl, Ruby Fanning, Elizabeth Wince, Prabhat Kumar Gupta.  
Second row from left: Nathan Duff, Steve Hentschel, Andy Jung, Ron Miksa

## Photo of the Day

### Stealthy by air



Computing Division employee Gene Oleynik submitted this photo of a coyote in mid-pounce near Eola Road.

## In the News

### Funding snag could shut down Sanford lab, backers say

From *Rapid City Journal*, Feb. 22, 2010

The Sanford Lab at Homestake could be forced to shut down this summer if a legislative dispute over state funding isn't resolved, lab officials said.

The South Dakota House of Representatives rejected a \$5.4 million funding bill for the lab on Friday, but voted 68-2 on Monday to reconsider the funding measure. The measure, HB 1083, is scheduled for the floor today.

Backers say the \$5.4 million sought by Gov. Mike Rounds is crucial to keeping the lab open until May 2011 when the National Science Board is to decide whether to approve a deep underground lab at the site. If the national lab is approved, the National Science Foundation would take

funding as the collider shuts down and as NOvA construction funding ends. Only in FY2015 and FY2016, the last two years under consideration, would Project X see a significant ramp-up.

The lowest budget scenario is, of course, worse and leads to reduced running of the complex in FY2012 and FY2013.

The scenario we like best is the high budget scenario, not constrained by funding. In this scenario we get to design an optimal program. Our analysis is not simply wishful thinking but provides the ammunition for OHEP to argue for more generous budgets in the years ahead based on the additional value we can deliver. This is especially important these days when the DOE priorities are so strongly aimed at energy and climate-change research. Such a budget would allow us to move forcefully in the three frontiers of our program, especially at the intensity frontier, and would attract the additional international partners that in the long term make a better, more exciting and more economical program.

## Accelerator Update

Feb. 19-22

- Five stores provided ~60.5 hours of luminosity
  - Linac and MI had some RF problems
  - An off-site power glitch caused store 7625 to abort - no quench
- \*The Integrated Luminosity for the period from 2/15/10 to 2/22/10 was 64.03 inverse picobarns. NuMI reported receiving 7.91E18 protons on target during this same period.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

### Latest Announcements

[International Folk Dancing, Thursday evenings at Kuhn Barn](#)

[English country dancing - Sunday, March 7](#)

[Ask HR sessions to be held at the](#)

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

Send comments and  
suggestions to:  
[today@fnal.gov](mailto:today@fnal.gov)

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Today

over funding.

But without more money from the state, the lab project will run out of funds by December, according to Ron Wheeler, executive director of the South Dakota Science & Technology Authority Board, which is operating the project.

Wheeler said if the money is not approved, the Science & Technology Board would have to start shutdown plans before December.

"We would literally mothball the project," he said.

[Read more](#)

## In the News

### General relativity tested on a tabletop

From **Nature News**, Feb. 17, 2010

By measuring a spectacularly small difference in the ticks of two quantum clocks, physicists have proven a pillar of Albert Einstein's theory of gravity to be on firmer footing than ever before.

The experiment is the latest in a series of tests in which scientists have scrutinized one of Einstein's more profound predictions: that clocks in stronger gravitational fields run more slowly. For decades they have put clocks at higher elevations, where Earth's gravity is slightly weaker, and measured the ensuing changes. From a clock in a tower at Harvard University in Cambridge, Massachusetts, in the 1960s, to others flown on planes in the 1970s, to a clock that flew thousands of kilometres into space on a rocket in 1980, physicists have not been able to show that Einstein was wrong.

[Read more](#)

[Computing Division and Wilson Hall](#)

[FRA Scholarship 2010](#)

[Hiring summer students for 2010](#)

[Immigration Law information session - March 1](#)

[Conflict Management and Negotiation Skills offered March 3 and 10](#)

[Adobe Acrobat Professional 9.0 Level 1 class offered March 4](#)

[Deadline for The University of Chicago Tuition Remission Program - March 5](#)

[On-site Housing for summer 2010 - March 8 deadline](#)

[Adaptive Leadership: Coaching for Individual Differences class - March 9](#)

[Art Gallery talk - Virginia Broersma - March 10](#)

[Excel Power User / Macros class offered March 11](#)

[Fermi Martial Arts Classes](#)

[Employee discount offered at Batavia Rosati's](#)

[Harlem Globetrotters special ticket price - April 15](#)

[2010 standard mileage reimbursement rate](#)

[Chicago Bulls discount tickets available online](#)

[Introduction to Argentine Tango series of classes - FREE](#)

[Qi Gong, Mindfulness and Tai Chi Easy for Stress Reduction](#)

[Unleash those stomach butterflies - Toastmasters](#)

[Weight Watchers at Work begins new session](#)

[Applications accepted for awards in URA Visiting Scholars program](#)

[Submit an announcement](#)