

Calendar

[Have a safe day!](#)

Monday, Dec. 7

THERE WILL BE NO PARTICLE ASTROPHYSICS SEMINAR TODAY

3:30 p.m.

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

4 p.m.

All Experimenters' Meeting - Curia II

Special Topics: LARP/LAFS Instrumentation at the LHC; Conventional Construction for the NOvA Far Detector; CMS/LHC Report

Tuesday, Dec. 8

11:30 a.m.

Traffic Safety Seminar on safe winter driving - One West
Speaker: Maria Navarro, Illinois State Police Trooper

2:30 p.m.

[Particle Astrophysics Seminar](#)

- One West

Speaker: Lee Smolin, Perimeter Institute for Theoretical Physics

Title: Progress Report on Quantum Gravity

3:30 p.m.

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

4 p.m.

[Accelerator Physics and Technology Seminar](#) - One West

Speakers: Valeri Balbekov and Valeri Lebedev, Fermilab
Title: Longitudinal Instabilities

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

[Upcoming conferences](#)

Campaigns

From symmetry breaking

Particle physics gets hip with a party at the planetarium



Fermilab physicist Don Lincoln (right) talks to two couples after his Nov. 19 lecture at the Adler Planetarium about particle physics and the Large Hadron Collider.

"Some of you are just realizing," Fermilab physicist Don Lincoln said to the crowd in the darkened lecture hall at the Adler Planetarium, "you're in a particle physics lecture ... on a date."

Lincoln gave a talk about the recently restarted Large Hadron Collider during Adler After Dark, the planetarium's new after-hours program aimed at an audience that does not always find its way to the planetarium.

Many of the mostly 20- to 30-somethings that made up the crowd of about 700 guests at Adler on Nov. 19 said they had grown up in the Chicago area and last visited the planetarium on a class field trip.

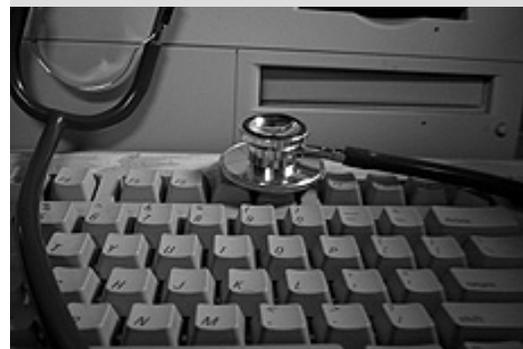
"People have fond memories of coming here as kids," said Mike Smutko, astronomer and director of Adler's observatory. "But they don't come back until they have their own kids. We're trying to capture that middle section."

At Adler After Dark in November, DJ D-Rek spun dance music in the planetarium's dining area next to floor-to-ceiling windows facing Lake Michigan and the Chicago skyline. Guests sipped wine or beer on the patio while training telescopes on Jupiter. They took in hors d'oeuvres and full-dome theater shows about the formation of the moon. And Lincoln, author of [The Quantum Frontier](#), a book for the general public about the LHC, described to about 100 visitors how scientists at CERN

ES&H Tips of the Week - Computing Security



Tune IT Up inventory includes internal check-up



As part of the Tune IT Up physical inventory, contractors are checking up on computers to improve cyber security. *Image courtesy of Tabitha Kaylee Hawk through the Creative Commons license.*

Contractors working with the Tune IT Up team have visited more than 1,500 desktop and laptop computers as part of their ongoing physical inventory.

The information they gather is used to maintain and update the databases we use to help manage our computer systems efficiently, effectively and securely. The gathering process has been vetted against laboratory security and privacy policies.

The [contractors](#) can find some of the information they are collecting, such as your computer's property number and location, without logging on to your machine. But they must be logged in to check if it has the inventory software needed to collect information Fermilab requires about your computer.

Most computers at the laboratory already have the necessary inventory software installed, either through the Windows Fermi domain or by a system administrator.

If the contractors need to install software, they will require the assistance of someone with administrative privileges to log onto your computer. If no administrator is present, they will do the rest of the inventory and schedule a follow-up visit.

The inventory software runs once a day to collect the following information:

[Take Five](#)

planned to collide two beams of protons at nearly the speed of light.

[Tune IT Up](#)

Lincoln said that the most foolish question one can ask about experiments at the LHC is: "What are you going to find?"

H1N1 Flu

"We don't know what we're going to see," he said. "But we do know what we're looking for."

[Read more](#)

— *Kathryn Grim*

Photo of the Day

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

Weather

 **Snow**
33°/30°

Sending food to the hungry



About 90 Fermilab employees, their friends and families spent their free time Dec. 2 volunteering in Aurora to help the charity Feed My Starving Children.

Front row from left: LeMargo Gill, Education Office; and Angela Sands, PPD. Back row from Left: Jeannelle Smith, Workforce Development and Resources Division; and Gerry Zajac. Volunteers packed 21,600 meals that will feed 59 children for a year. The event was planned as part of the December celebration of Universal Human Rights Month by the [Multicultural Event Planning Committee](#).

Through Jan. 8, the committee also will collect food for Northern Illinois Food Bank. Collection bins are at the ground and atrium floors in Wilson Hall and at the Feynman Computing Center and Industrial Center Building and suggestions for non-perishable food items can be found on posters distributed throughout the buildings. Donations are voluntary.

In the News

How is the hardware on your system – such as the processor, hard drive and memory – configured?

What are the vendor and version of your operating system?

What software is installed on your system?

What are the names, locations and sizes of the files saved on your computer? (Note: The software does not inspect or record the contents of those files.)

We collect information about file names and locations to help respond effectively to security incidents. Malicious programs and their data can be saved in any location on a hard drive, so information is collected for all files. All the inventory data is stored in a database accessible only to certain authorized employees, such as some system administrators and computer security personnel.

It is very important for Fermilab's good management and security that we collect this information. Please work with the contractors to allow them to complete the inventory of your machine. Make sure to verify the contractors' identities before allowing them access to your machine by checking their Fermi ID badges. You can also look up their [photos here](#) or call the Service Desk at x2345. Remember that you should never give your password to anyone, including your system administrator and the contractors.

— *Mark Kaletka, Computing Division*

Accelerator Update

Dec. 2-4

- Three stores provided approximately 45 hours of luminosity
- Recycler vacuum problem fixed
- MI kicker trips resolved

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Monday, Dec. 7

- Croissant sandwich
- French Quarter gumbo soup
- French dip with horseradish cream
- Santa Fe pork stew
- Country-baked chicken
- Popcorn shrimp wrap
- Assorted slices of pizza
- Sweet and sour chicken with egg roll

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Dec. 9

Lunch

- Salmon Wellington
- Parmesan orzo
- Lemon pound cake with blueberry sauce

Thursday, Dec. 10

Dinner

- Chestnut soup
- Lobster medallions with champagne butter sauce
- Spaghetti squash with scallions
- Steamed green beans
- Eggnog cheesecake with bourbon cream

[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](#)

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www.fnal.gov/today/

Send comments and suggestions to:
today@fnal.gov

Visit the Fermilab [home page](#)

Fermilab aims to explore new frontiers

From *Kane County Chronicle*, Dec. 4, 2009

Fermi National Accelerator Laboratory no longer has the world's largest atom smasher. But the lab still has frontiers to explore. "There is no shortage of science," said Bob Tschirhart, a staff scientist at Fermilab since 1992. This week, the Large Hadron Collider in Switzerland broke the world record for proton acceleration, firing particle beams with 20 percent more power than Fermilab's Tevatron Collider, which previously held the record.

By using accelerators, scientists hope to re-create the conditions that existed shortly after the Big Bang. The big-bang theory holds that all the matter and energy in the universe originated from a state of enormous density and temperatures that exploded in a finite moment in the past.

While Fermilab is in a race with Large Hadron Collider scientists to find answers to these questions, it also is collaborating with them.

[Read more](#)

[Book atrium events through the Office of Communication](#)

[FMLA and FTL policy updates](#)

[Yoga class promotion - Dec. 1-22](#)

[English Country Dancing, Dec. 6](#)

[Wilson Hall stocking stuffer holiday sale - Dec. 9-10](#)

[Gay, Lesbian or Bisexual Employees at Fermilab - information meeting Dec. 10](#)

[Gallery talk by Peter Olson - Dec. 11](#)

[Register for Quigg symposium - Dec. 14-15](#)

[Free introductory martial arts classes - Dec. 14 and 16](#)

[Fermilab blood drive - Dec. 15-16](#)

[Inaugural potluck party - Dec. 16](#)

[Tell us about your Take 5 moment by Dec. 16](#)

[Fermilab Management Practices seminar beginning Feb. 11](#)

[Sign up for spring Science Adventures classes](#)

[Argentine Tango at Fermilab meets Wednesday nights](#)

[Prescription eyewear technician location change](#)

[Lederman Science Center holiday hours](#)

[Discount movie tickets available](#)

[Chicago Blackhawks discount tickets](#)

[Additional Activities](#)

[Submit an announcement](#)