

## Calendar

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

Monday, Aug. 23  
 THERE WILL BE NO  
 PARTICLE ASTROPHYSICS  
 SEMINAR THIS WEEK  
 3:30 p.m.  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
 4 p.m.  
 All Experimenters' Meeting -  
 Curia II  
 Special Topics: Muon Collider  
 Cavity Breakdown Processes;  
 T-1005: g-2 Calorimeter Tests

Tuesday, Aug. 24  
 3:30 p.m.  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
 4 p.m.  
[Accelerator Physics and  
 Technology Seminar](#) - Curia II  
 (NOTE LOCATION)  
 Speaker: Young-Min Shin,  
 University of California, Davis  
 Title: Beam-Metamaterial  
 Interaction Research for  
 Tabletop Accelerator  
 Application

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

### [Upcoming conferences](#)

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## Weather



Sunny  
83°/65°

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

## Feature

### DOE Deputy Secretary Poneman visits Fermilab



Fermilab physicist Camille Ginsburg explains a superconducting radio frequency cavity to DOE Office of Science Director William Brinkman (left) and DOE Deputy Secretary Daniel Poneman during a tour of the laboratory on Thursday, Aug. 19.

On Thursday, Aug. 19, Department of Energy Deputy Secretary Daniel Poneman visited Fermilab to learn more about the science done at the laboratory and to address Fermilab employees and users.

Poneman spoke on a variety of topics, including the importance of science, Fermilab's contributions to the field and DOE's focus on management excellence throughout the national laboratories.

He pointed out the impact that the American Recovery and Reinvestment Act has had on the economy and how it has contributed to job creation and investments in innovative technologies. He also talked about greenhouse gas emissions and the Department of Energy's goal to reduce emissions by 28 percent by 2020.

Poneman credited Fermilab with aiding the government in strengthening budding relationships with countries such as India. He also called on the laboratory to spread the word about the cutting-edge work done at Fermilab to help draw the talents of the next generation.

Following his talk, Poneman toured the CDF collision hall, the superconducting radio-frequency test accelerator in the New Muon

## ES&H Tips of the Week - Computer Security



### The dark side of file sharing



Some things, like the far (or dark) side of the moon shown here, are not always visible to us. Viruses or other unseen dangers can lurk in unknown or untrustworthy file content.

Fermilab requires extremely high-speed network connections to accomplish its scientific mission. The CMS experiment alone moves data back and forth between Fermilab and CERN at speeds of up to 10 gigabits (10 billion bits) of data per second. Much of this data transfer can be characterized as file sharing, where data files originating at one site are copied to another site in order to share them with a worldwide collaboration of researchers.

But there is also a dark side to such file sharing. The most obvious danger occurs when a Fermilab user downloads a file containing unknown, and possibly untrustworthy, content to a system on the Fermilab network. This presents dangers of infection similar to clicking on e-mail attachments or on web or e-mail links. In these cases, viruses or Trojan horses might tag along with what you were trying to download. Once such malicious software finds a home on a single laboratory machine, it can take advantage of the laboratory network to try to infect other machines both at the laboratory and around the world.

Another, more subtle danger can also put the laboratory in jeopardy. Whenever files are shared between two Internet sites, they

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

Monday, Aug. 23

- Breakfast: Croissant sandwich
- Italian minestrone soup
- Patty melt
- Baked chicken enchiladas
- Herb pot roast
- Chicken melt
- Assorted sliced pizza
- Szechuan green bean w/ chicken

[Wilson Hall Cafe Menu](#)

## Chez Leon

Wednesday, Aug. 25

Lunch

- Danish open face sandwiches
- Cucumber salad
- Caramel apple shortcake

Thursday, Aug. 26

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

Laboratory and the MINOS detector hall.



DZero scientist George Ginther, Fermilab Director Pier Oddone, DOE Deputy Secretary Daniel Poneman, CDF co-spokesperson Rob Roser and DOE Office of Science Director William Brinkman toured the CDF collision hall on Thursday, Aug. 19.

## Photos of the Day

## A visit from the Chinese Consul General in Chicago



The Chinese Consul General in Chicago and Consulate staff visited with Fermilab Director Pier Oddone, Deputy Director Young-Kee Kim, Assistant Director Roy Rubinstein and DOE Acting Site Manager Mark Bollinger on Wednesday, Aug. 18. The Consul General and staff also went on a tour of the laboratory.



transfer to multiple computers along the way. Individuals looking at these interim machines might notice the files moving from one place to another, especially if these materials (movies, television shows, music, games, etc.) are not supposed to be freely shared.

Recently the laboratory received several notices from a TV/film studio objecting to use of a Fermilab network computer to download television show episodes from an unauthorized site. The studio asked us to take immediate action. This behavior represents a clear violation of the [Lab Policy on Computing](#) and could subject an offender to disciplinary action. Fortunately, we were able to stop this behavior, but this episode illustrates how careless file sharing can endanger not only an individual but, by damaging the laboratory's reputation, our entire network environment.

-- Irwin Gaines, Computing Division

[Safety Tip of the Week Archive](#)

## In the News

## Hubble helps in search for dark energy

From *UPI*, Aug. 19, 2010

U.S. Astronomers say they have a new tool to detect and measure the mysterious dark energy pushing the universe apart at greater and greater speeds.

Space Telescope Science Institute scientists using NASA's Hubble Space Telescope have taken advantage of a giant magnifying "lens" in space -- a massive cluster of galaxies -- to close in on the nature of dark energy, an institute release said.

[Read more](#)

## Accelerator Update

August 18-20

- Startup activities continue
- Tevatron shot on Saturday

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

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)

Visit the Fermilab  
[home page](#)

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Today*

Guoqiang Yang, Chinese Consul General in Chicago, visited Fermilab on Wednesday, Aug. 18. Yang met with Fermilab Director Pier Oddone and Deputy Director Young-Kee Kim before touring the laboratory.

### In the News

## Math's highest honor given for work in mathematical physics

From *symmetry breaking*, Aug. 20, 2010

It was a good week for mathematical physics. Three of the four winners of the 2010 Fields Medal, considered the Nobel Prize for mathematics, were honored for studies in the field.

The Fields Medal is not entirely analogous to the Nobel: The award is given once every four years; its recipients must be younger than 40; and Fields medalists win about \$14,000, compared to about \$1.4 million that come with a Nobel.

(The fact is, there is no Nobel Prize in mathematics and never has been, and so the Fields Medal is the highest honor a mathematician can receive. Maybe mathematicians are just above all that.)

At the award ceremony on Aug. 19 in Hyderabad, India, the International Mathematical Union honored mathematicians Cedric Villani, Stanislav Smirnov and Elon Lindenstrauss, as well as mathematician Ngo Bau Chau.

[Read more](#)

## Latest Announcements

[Card stamping club and scrapbooking club survey](#)

[Ask HR: Professional Development at Site 38 - Aug. 24](#)

[Sign up for fall Science Adventures](#)

[Fermilab Procard System - New link starting Monday, Aug. 30](#)

[Performance Review briefing - Aug. 25](#)

[Looking for league bowlers](#)

[Argentine Tango, Wednesdays, through Aug. 25](#)

[Bristol Renaissance Faire discount](#)

[Regal Movie Theater discount tickets available](#)

[Fermilab Blood Drive Aug. 30 and 31 \(Walk in only\)](#)

[Scottish country dancing in Ramsey Auditorium through Aug. 31](#)

[International Folk Dancing in Ramsey Auditorium through Sept. 2](#)

[Fermilab Lecture Series Presents A Croc Odyssey: Speedy Gallopers with a Taste for Dinosaur](#)

[Gizmo Guys - Fermilab Arts Series - Sept. 25](#)

[Submit an announcement](#)