

Calendar

Monday, October 24

2:30 p.m. Particle Astrophysics Seminar
- Curia II

Speaker: M. Tripathi, University of California, Davis

Title: A Search for Dark Matter with Cactus

3:30 p.m. Director's Coffee Break -
2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting -
Curia II

Special Topic: Tevatron Crystal
Collimation

Tuesday, October 25

11:00 a.m. Computer Techniques
Seminar - 1 West

Speaker: M. Paterno, Fermilab

Title: Easy Data Analysis Using R

3:30 p.m. Director's Coffee Break -
2nd Flr X-Over

6:00 p.m. Budker Seminar - Users Center
Speaker: Ryoichi Miyamoto

Title: Beta star measurement around the
IP

Note: There will be no Accelerator
Physics and Technology Seminar today

Weather

Weather Chance of Rain **47°/36°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Security

[Secou Level 3](#)

Badges at Fermilab

A few weeks ago, *Fermilab Today* [reported](#) on the new federal standard for badges (HSPD-12) for federal employees and contractors. In a memorandum issued on October 13, 2005, the Deputy Secretary of Energy Clay Sell clarified the application of the federal standard to the Department of Energy. At this time, Fermilab employees, users and contractors are not subject to HSPD-12.

The DOE memo explains that "the mandatory applicability of HSPD-12 and its associated processes shall apply to all DOE Federal employees, all contractor employees that have either an L or Q security clearance, and to all uncleared contractor employees servicing the DOE Headquarters complex. ... Program offices may, at their discretion and based on a risk analysis, subsequently determine that additional uncleared contractor(s) will need an 'identity' credential and be subject to HSPD-12."

Because no clearance is required to access Fermilab, the federal standard is not mandatory for Fermilab employees, users and contractors. The implementation of HSPD-12 at Fermilab has been suspended.

—Kurt Riesselmann

Fermilab Physicists Face Different Audience: Kids**Safety Tip of the Week****ES&H Quiz**

This week we offer an eight-question multiple-choice ES&H quiz. Go through the questions and note your answer for each. Then click on the link at the bottom to see the correct answers and explanatory text.

- In most cases, the first person I should talk to about an ES&H matter is my _____.
a) senior safety officer b) mother-in-law c) supervisor d) division/section head
- Fermilab's emergency phone number is _____.
a) 1-1-3 b) 3-1-3-1 c) 9-1-1 d) 1-9-1-9
- The primary cause of occupational injuries at Fermilab is _____.
a) acts of nature b) behaviors c) conditions d) liabilities
- Who is authorized to stop work at Fermilab due to an ES&H problem?
a) The Lab Director b) The supervisor of the work being done c) Any senior safety officer d) Anyone doing work at the Lab
- The most common type of emergency

Wilson Hall Cafe

Monday, October 24

- Wisconsin Cheese
- Corned Beef Reuben
- Stuffed Chicken Breast
- Shepherd's Pie
- Turkey Craisins Wrap
- Meat Lovers Pizza
- Pacific Rim Rice Bowl

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, October 24

Lunch

- Enchiladas
- Rice and Beans
- Pico De Gallo
- Pecan Rum Cake

Thursday, October 20

Dinner

BOOKED

[Chez Leon Menu](#)

Call x4512 to make your reservation.

Search

Search the Fermilab Today Archive

Info



Mike Albrow demonstrates physics principles to eighth-graders at Gregory Middle School in Naperville. (Click on image for larger version.)

The PowerPoint presentation is ready and the projector queued up as Mike Albrow waits for his audience's attention. In two days, he has to address a group of worldwide scientists about CDF physics. But for now his attention is on the crowd sitting in front of him - the 24 eighth-graders in Kristi Szum's science class. Albrow, of CDF, made the trip to Gregory Middle School in Naperville on Tuesday as part of the Education Office's classroom physics program. In honor of the World Year of Physics, more than 60 Fermilab volunteers are visiting local classrooms to spread their knowledge. They hope to make physics presentations to more than 10,000 students by year's end.

Using a pitch fork to demonstrate the Doppler Effect and ball bearings and an elastic sheet to show the warping of spacetime, Albrow gave a presentation titled "Space, Time and Einstein." It's one of the nine topics physicists can pick from, including a session on cryogenics and another on light and color. "I like the challenge of trying to explain some of these difficult ideas to kids," said Albrow, who has visited five classrooms this year. "You have to think especially hard about how to present and how to be accurate. And some of them have the most

response at Fermilab involves a _____.

a) fire alarm b) work injury c) severe weather warning d) loss of beam

6. Fermilab was inspected by OSHA in 03/2004. The most common type of finding involved _____ hazards.

a) biological b) chemical c) electrical d) mechanical

7. Fermilab's waste minimization/pollution prevention program is anchored by the following tenets:

a) collect, recover and sell b) location, location, location c) minimize and prevent d) reduce, reuse and recycle

8. Fermilab uses an electronic form referred to as the _____ in order to match ES&H training requirements to work exposures.

a) OOPA b) ITNA c) WAAF d) CAIRS

[See Answers](#)

[Safety Tip of the Week Archive](#)

Accelerator Update

October 19 - 21

- During this 48 hour period, one store provided 34 hours and 38 minutes of luminosity.
- P150 Vacuum Bursts
- TEL required timing adjustment
- D:IB trouble
- TeV crate and sequencer trouble

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Fermilab Today is online at:

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

Send comments and suggestions to

today@fnal.gov

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interesting questions."

Tuesday's class was no exception. A sample of the grilling: "If there's a black hole in the middle of the galaxy, would we eventually be sucked into it?" "What do you know about strings?" Eighth-grader Mike Gorrell asked about the NuMI beamline. "The visit was interesting," he said. "It cleared up anything that was confusing."

Those interested in volunteering with the program should contact Nancy Lanning at lanning@fnal.gov

—Kendra Snyder

In the News

From *Chicago Sun-Times* October 21, 2005:

Fermilab scientists mark discovery

A subatomic particle called the top quark is a most unusual creature.

It's at least a billion times smaller than a hydrogen atom, but 200 times heavier. And it has a fleeting existence, living less than a trillionth of a trillionth of a second before spontaneously bursting apart.

Top quarks for the most part disappeared shortly after the Big Bang. Today, the only place in the universe where they're known to exist, apart from stray cosmic rays, is at a physics lab 30 miles west of Chicago called Fermilab.

[Read More](#)

Shutdown Begins March 1

The 14-week shutdown of the Fermilab accelerator complex is scheduled to begin on March 1. A draft schedule on how the shutdown will affect the experiments at the lab is available [online](#). *Fermilab Today* will provide updates in the future.

Special Seminar

Professor Carlo Rubbia of CERN and University of Pavia will be giving a Special Seminar at Fermilab in the 1 West Conference Room on Wednesday, October 26, starting at 1:30 p.m. The topic is "Twenty years of liquid argon technology for underground detector imaging". *Fermilab Today* will provide a link to the live streaming video on Wednesday.

West Parking Lot

On Saturday October, 29, the West Parking Lot of Wilson Hall will be repaved. Pedestrians and drivers should be cautious of grooved surfaces and uneven pavement until this work is done. Call Roads and Grounds with any questions or concerns (x3303)

October PC Manager Meeting

Meeting is on Wednesday, Oct 26, from 9-10 a.m. at WH8 crossover (The Hornets Nest). If you'd like to be added to the PC Manager email list and Meeting Maker notice please send email to schmidt@fnal.gov

[Upcoming Activities](#)