

Calendar

Tuesday, October 31

11:00 a.m. Academic Lecture Series - 1 West

Speaker: W. Giele, Fermilab

Title: Course 2 - Modern Approach to Monte Carlo Programs: Part 1

2:00 p.m. Research Techniques Seminar - 1 West

Speaker: P. Gorodetzky, College de France, Paris

Title: Precise Absolute Calibration of a PMT in a Single Photoelectron Mode

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

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wednesday, November 1

11:00 a.m. Fermilab ILC R&D Meeting - 1 West

Speaker: A. Para, Fermilab

Title: A Study of Novel Detector Geometry for the ILC

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

4:00 p.m. Fermilab Colloquium - Auditorium (note location)

Speaker: W. Panofsky, Stanford Linear Accelerator Center

Title: Can the Spread of Nuclear Weapons Be Stopped?

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

Weather

Speaker Hastert to speak at Fermilab contract signing



Dennis Hastert is Speaker of the House.

Wednesday, November 1, 8:40 a.m. Ramsey Auditorium. All are welcome.

On Wednesday, November 1, the Department of Energy will announce its selection of a contractor to operate Fermilab. Speaker of the House Dennis Hastert will attend the announcement ceremony. Under Secretary for Science, Dr. Raymond Orbach, will represent the Department of Energy. All Fermilab employees are warmly encouraged to attend.

"This will be an important moment in the life of the laboratory," said Fermilab Director Pier Oddone. "I hope that as many members of the Fermilab community as possible will join us on Wednesday morning."

The ceremony will take place on Wednesday, November 1, from 8:45 to 9:15 in Ramsey Auditorium. Employees are asked to take their seats by 8:40 a.m.

Director's Corner

...will appear tomorrow.

Fermilab prepares to launch ILC Citizens Task Force



Judy Jackson of Public Affairs and Rich Karuhn of Business Services at last week's meeting.

Earlier this fall, Fermilab instituted a Community Envoy Program to create and maintain meaningful relationships with people in the surrounding communities. After a training session on September 5, Fermilab matched 28 employees with key stakeholders, such as state representatives and homeowners associations, to provide information about the lab's projects, scientific goals and promising future. Last week, Fermilab's envoys reconvened to share progress reports on their first meetings with their stakeholders and to discuss future plans for launching an International Linear Collider Citizens Task Force.

The Fermilab envoys reported that their contacts responded very positively to the idea of such a program and welcomed the opportunity to learn more about the lab. A number of envoys received questions, and some concerns, regarding the future of Fermilab. "I had to explain that this is not about informing the



Mostly Sunny 45°/25°

[Extended Forecast](#)[Weather at Fermilab](#)**Current Security Status**[Secon Level 3](#)**Wilson Hall Cafe****Tuesday, October 31**

- Chicken and Rice Soup
- Cowboy Burger
- Baked Meatloaf with Gravy
- Parmesan Baked Fish
- Peppered Beef
- Grilled Chicken Caesar Wrap
- Assorted Slice Pizza
- Chipotle Chili and Queso Nachos Supreme

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, November 1****Lunch**

- Chicken Marbella
- Saffron Rice with Vegetables
- Chocolate Cheesecake with Strawberry Coulis

Thursday, November 2**Dinner**

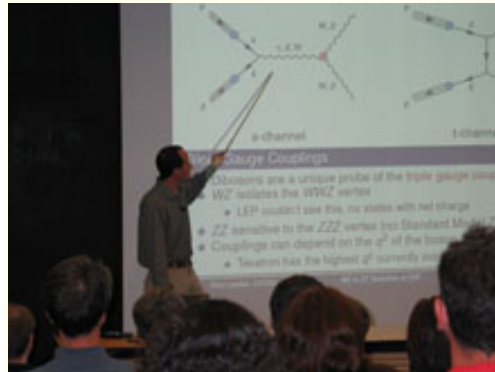
- Steamed Mussels w/White Wine, Garlic & Thyme
- Spicy Spare Ribs
- Sautéed Greens
- Spaghetti Squash
- Lemon Napoleons

[Chez Leon Menu](#)

Call x4598 to make your reservation.

Search

at the latest.

WZ boson discovery inches Fermilab closer to Higgs

Yesterday, at a special seminar, CDF announced first observation of WZ boson production, an important step toward finding the Higgs boson. Elliot Lipeles, a UCSD post doctoral researcher, presented the lecture. The finding shows the Tevatron's increasing sensitivity to small collision cross sections. As Tevatron experiments measure ever smaller cross sections, Fermilab inches closer to finding the Higgs. "We are advancing in sensitivity rapidly, and it's exciting times," said Lipeles, concluding his talk.

In June 2006, DZero announced evidence for WZ production, but did not have enough data to announce a discovery. CDF's lecture yesterday, based on inverse femtobarn of data, featured 16 events, each containing a W and Z boson, with a predicted background of 2.7 events.

CDF's findings support Standard Model predictions: the WZ production cross section was measured at 5.0 (+1.8 -1.6) picobarns, consistent with the Standard Model prediction of 3.7 (+/- 0.3) picobarns. "It's not new physics," said Rob Roser, CDF co-spokesperson, "but it shows that the Standard Model is holding

community that we are going to shut down," explained one envoy.

Even though the envoys will keep the community informed about all of the lab's projects, the program also paves a path for starting a dialogue about the ILC--a public participation initiative that applies to all regions involved in the proposed international project. Fermilab's envoys found that the stakeholders had some knowledge about the ILC, resulting in a lot of questions about cost, location, tunnel depth and possible economic impacts. One envoy reported questions about the Superconducting Super Collider, specifically inquiring about whether the ILC would be funded in the same way.

With initial meetings complete, Fermilab's Office of Public Affairs will use the feedback collected from the envoys to select members for an ILC Citizens Task Force, which will convene before the end of this year. From the environmentalist to the local elected official to the student, this task force will bring together a wide spectrum of community leaders to provide input into key aspects of ILC planning and decision-making. Starting in December, the group will meet on a monthly basis for approximately one year. "We are looking for thoughtful, open-minded people, who are interested in the future of the region and willing to provide input," said Judy Jackson, Fermilab's Director of Public Affairs. Fermilab will seek nominations for the ILC Citizens Task Force from area residents and employees later this month. For more information about the ILC Citizens Takes Force, call the Office of Public Affairs at 630-840-3351.

Search the Fermilab Today Archive**Info**

Fermilab Today is online at: <http://www.fnal.gov/today/>

Send comments and suggestions to today@fnal.gov

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up very well so far."

--D.A. Venton

Photo of the Day

Jackie Coleman of Program Planning found this spider web in her backyard. "It scared our dog," she said. "And she's a rottweiler."

In the News

***The Economist*,
October 26, 2006:
Bubbling up**

A new experiment to test the role of cosmic rays in global warming

SIR WILLIAM HERSCHEL, an 18th-century astronomer, is credited with being the first person to notice the effect of variations in the sun's activity on the Earth. In 1801 he observed that when the sun had many spots on its surface, the price of wheat fell—a connection he attributed to the weather being more temperate. Over the next 200 years scientists tried, without much success, to understand exactly how these transient sunspots might affect the climate. Now an experiment has begun that could explain what is going on.

The Earth is continually bombarded by streams of particles that come from outside the solar system. These cosmic rays, as they are called, consist mostly of protons. They strike the gases of the Earth's atmosphere at great speeds, creating showers of debris including streams of electron-like particles called

--Elizabeth Clements

Accelerator Update**October 27 - 30**

- Three stores provided 50 hours and 50 minutes of luminosity
- NuMI held off
- TeV quench - store lost before established
- TeV quench - store 5037 lost

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements**Another computing scam:****Watch out for phony greeting cards**

Fermilab employees are receiving bogus e-greeting cards that appear to be sent from a legitimate company called All-Yours.net. When you click on the link provided in the greeting card email, your computer will download a virus. You can find a more detailed description of the scam [here](#). Note the description is old, but the scam is still the same and may pick up during the holiday season.

SciTech museum pizza party

SciTech Hands On Museum is holding a Paleo Pizza Party for families from 5:30 p.m. to 7:00 p.m. Friday, November 17. You can find more information in the SciTech [press release](#).

Free training on Digital Certificates

Digital Certificates are commonly used at Fermilab and the broader open science community. When shopping online, the underlying technology that allows the transaction to remain secure is based on the use of digital certificates. Fermilab is now offering a free beginning level

muons. An international team of physicists led by Jasper Kirkby, who works at CERN, the European particle physics laboratory near Geneva, has devised an experiment to find out how this process might affect the climate.

[Read More](#)

course that will provide a background on certificates, then give specific instructions on how to install certificates in your browser, including the two most popular certificates at Fermilab: KCAs and DOEGrids. Internet Explorer, the Netscape family, and Safari will be addressed. Participants are encouraged to bring a laptop, but are not required to. To enroll in the Nov. 6th or Dec. 4th training session please visit [the course enrollment Website](#).

[Upcoming Activities](#)