

## Calendar

### Tuesday, September 27

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

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

### Wednesday, September 28

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

Speaker: V. Kuchler, Fermilab

Title: ILC Conventional Facilities Update

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

**4:00 p.m.** Fermilab Colloquium - 1 West  
Speaker: S. Redner, Boston University  
Title: Statistical Physics of Citations

## Weather



Sunny 74°/52°

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

### Tuesday, September 27

- Creamy Turkey Vegetable
- Chicken Gyros
- Salisbury Steaks w/Mushroom Au Jus
- Chicken Cacciatore
- Italian Panini w/Provolone
- Philly Cheese Stromboli
- Chipotle Chili & Queso Nachos Supreme

\*Today, starting at 11:30, a representative

## Tevatron Achieves Record Peak Luminosity

Last week was the best for the Tevatron so far. The collider achieved more collisions than in any previous week, producing an integrated luminosity of 20.9 pb<sup>-1</sup>. Also, on Sunday morning, at 11:20 a.m., the Tevatron achieved a peak luminosity record, with an average initial luminosity of 1.31 E32 cm<sup>-2</sup>sec<sup>-1</sup>. An overview of the peak luminosities of all Tevatron stores is available [online](#). Congratulations from *Fermilab Today*.

## New Standard for Badges

Per Presidential Directive, the federal government has begun to implement a new, mandatory government-wide standard for secure and reliable forms of identification for all federal employees and contractors. The goal is to enhance security and to reduce identity fraud while protecting personal privacy.

Beginning October 27, 2005, all federal agencies and their contractors must use the new federal standard. It will apply immediately to issuing new badges to Fermilab employees hired on or after that date as well as new users and contractors who require access to Fermilab for more than 6 months.

The standard requires that a new badge that is valid for more than six months is issued only after a Personal Identification Verification (PIV) process. Although Fermilab has requested employee background checks in the past, the standardized background investigations

## Director's Corner

### EPP2010

In the Fall of 2004, the National Academy of Science appointed a study committee, "EPP2010:

Elementary Particle Physics in the 21st Century," to, a) identify, articulate and prioritize the scientific questions and opportunities that

define particle physics, and to b) recommend a 15-year implementation plan with realistic, [ordered priorities](#) to realize these

opportunities. Approximately half the committee is composed of distinguished members of the particle physics community and the other half is composed of very well known scientists from many different disciplines. The committee has asked and received broad input from the particle physics community, both from individuals and through HEPAP. It has held meetings in Washington DC, SLAC, FNAL and Cornell to understand the program in detail. The EPP2010 Committee has also visited KEK and JPARC in Japan, CERN in Switzerland and DESY in Germany.

I was invited to meet with five members of the committee to discuss the Fermilab program during the ILC meeting at Snowmass. I was invited again to meet with a different subset of the committee last Tuesday in Princeton, including its chairman Harold Shapiro, Professor of Economics and Public Policy and



Pier Oddone

from Dannon Yogurt will be at the Wilson Hall Cafe to provide free samples of yogurt.

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

[Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, September 28

#### Lunch

- Ham, Gruyere & Green Onion Crepes
- Salad of Field Greens
- Fennel & Arugula
- Peach Melba

### Thursday, September 29

#### Dinner

- Corn Chowder w/Spicy Red Pepper
- Lobster Medallions w/White Wine Sauce
- Spaghetti Squash w/Green Onions
- Sauteed Pea Pods
- Chocolate Almond Napoleons

[Chez Leon Menu](#)

Call x4512 to make your reservation.

## Search

### Search the Fermilab Today Archive

## Info

Fermilab Today is online at:

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

Send comments and suggestions to

[today@fnal.gov](mailto:today@fnal.gov)

[Fermilab Today archive](#)

[Fermilab Today PDF Version](#)

[Fermilab Result of the Week archive](#)

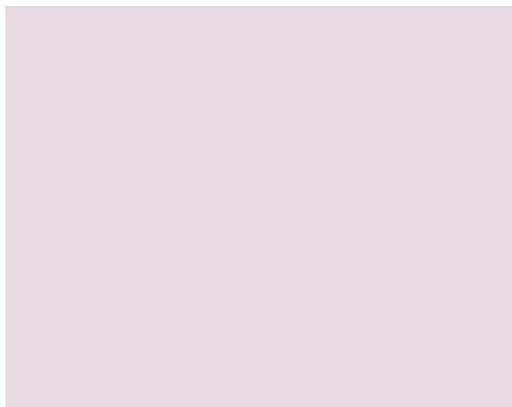
[Fermilab Safety Tip of the Week archive](#)

for U.S. citizens will now require fingerprinting and will cover the past five years. Non-U.S. citizens are not required to undergo fingerprinting or a background check since adequate information is obtained in order for them to enter the United States. By October 27, 2007, the government plans to complete the PIV process for all current employees, long-term users and contractors who are U.S. citizens.

The policies for when and where to wear the Fermilab badge will not change, and the format of the Fermilab badge will remain unchanged for now. The government plans to introduce a new type of badge common to all federal agencies in the fall of next year.

Fermilab is in the process of preparing the implementation in a way that is consistent with federal regulations and that avoids interruptions in access to the Fermilab facility by employees, users and contractors. Fermilab Today will provide an update in the next couple of weeks when more details are known. If you have questions, please send an email to [badges@fnal.gov](mailto:badges@fnal.gov). Fermilab Today will post a list of frequently asked questions and answers. The text of the Presidential Directive, HSPD-12, is available [online](#).  
—Kurt Riesselmann

## Photo of the Day



President Emeritus of Princeton University. The committee is acutely aware of Fermilab's role as the only single-purpose particle physics laboratory in the U.S. and has invested a great deal of effort and time to understand our present program and future plans. They recognize that the ILC is the first priority. On the other hand, our field is broader than just the ILC and it is not enough to have the ILC as the sole priority. The role of our neutrino program, the role of non-accelerator experiments and the issue of competition vs. collaboration in international programs are some of the key elements in this complex mix. While the task of planning the future of the field is formidable, I have been heartened by the deep appreciation the committee has for our field and the enormous dedication and great care with which it is approaching its difficult charge.

## Accelerator Update

### September 23 - 26

-During this 72 hour period Operations established two stores that combined with an existing store and provided the experiments with approximately 65 hours and 56 minutes of luminosity.

-Pbar stacking problems

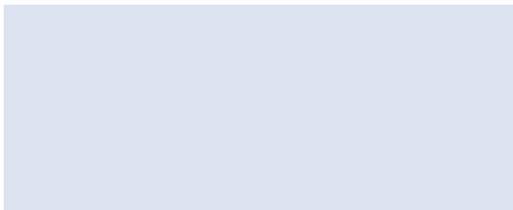
-Store 4401 sets New Luminosity Record of 131E30

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements



[Linear Collider News archive](#)

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A Monarch butterfly rests in Fermilab's prairie.  
(Photo by Jiri Kvita; Click on image for larger version.)

#### In the News

### **Fermilab Press Release: September 26, 2005 Volunteers Welcome at Fermilab's Prairie Harvest on Oct. 1 and 29**

BATAVIA, Ill.-Continuing its long-term prairie reconstruction project, the Department of Energy's Fermilab again invites neighbors and friends to help harvest prairie flower seeds. The harvesting will take place on Saturday, October 1, from 10 a.m. to 2 p.m. A second harvesting will take place on Saturday, October 29, again from 10 a.m. to 2 p.m.

[Read More](#)

#### **Prairie Seed Harvest**

[The Prairie Seed Harvest](#) will take place on October 1 and October 29.

#### **Unix Users Meeting**

At Curia II on September 28, from 1:00 p.m. to 2:30 p.m.

#### **Scottish Country Dancing**

Scottish Country Dancing will meet Tuesday, September 27, at Kuhn Barn on the Fermilab site. Instruction begins at 7:30 p.m. and newcomers are always welcome. Most dances are fully taught and walked through, and you do not need to come with a partner. Info at 630-840-8194 or 630-584-0825 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

#### **International Folk Dancing**

International Folk Dancing will meet Thursday, September 29, at Kuhn Barn on the Fermilab site. Dancing begins at 7:30 p.m. with teaching earlier in the evening and request dancing later on. Newcomers are welcome and you do not need to come with a partner. Info at 630-584-0825 or 630-840-8194 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

#### [Upcoming Activities](#)