

## Calendar

### Tuesday, September 13

**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 14

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

Speaker: M. Demarteau, Fermilab  
Title: ILC Detector R&D: Beyond  
Snowmass

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

**4:00 p.m.** Fermilab Colloquium-1 West  
Speaker: T. Gay, University of Nebraska  
Title: Football Physics

## Weather



Chance of Thunderstorms **90%/63°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

## P5 Meets at Fermilab



From left to right: P5 members Boris Kayser (Fermilab), Jim Alexander (Cornell) and Harry Weerts (Michigan State) at the meeting in One West. In the background: CDF cospokesperson Young-Kee Kim (far left) and DZero cospokesperson Jerry Blazey (far right). (Click on image for larger version.)

On Monday, members of the P5 panel met at Fermilab for their second of three meetings, gathering information on the Fermilab collider program and the long-term plans of Fermilab and the U.S. particle physics program. Chaired by Abe Seiden, professor at UC Santa Cruz, the P5 panel has been charged with providing advice on how to balance the on-going collider physics programs at SLAC (PEP-II B-factory) and Fermilab (Tevatron collider) with the need to devote resources to planning and advancing the International Linear Collider and other science projects.

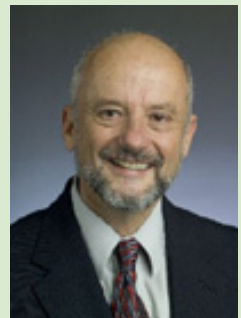
"Our job is to take the information and look for balance between science and budget," said Seiden, who is the US manager for the Atlas silicon subsystem and detector upgrades. "We will draft a roadmap for the field. Our first goal is to figure out the criteria by which to make the decision on how long to run the SLAC and Fermilab collider program."

## Director's Corner

### Mutual Responsibility

Across all enterprises there is an increased sense of urgency to improve computer security. Those associated with the US Government either directly or through contractors such as Fermilab are special targets of hackers.

Exploits against computing systems are now often generated automatically by reverse engineering of patches designed to protect systems.



Pier Oddone

This has caused the time between the release of a patch and the exploit of the associated vulnerabilities to shrink from weeks to days and in some cases hours. Successful intrusion into our systems reduces the health of our scientific program in several ways: it wastes staff time to deal with the infection; it diverts computing resources from the scientific program until the infection is eliminated; it may cause embarrassment to the Lab and DOE, and it could lead to loss of data. DOE correctly holds the laboratories to the highest standard of performance in computer security. Fermilab receives scrutiny at the highest levels of DOE whenever a system is compromised. Failure to maintain secure systems may adversely affect the Lab in many ways, including the level of funding that we receive.

Several recent intrusions into our systems convince me that we must strengthen our

## Tuesday, September 13

- Tomato Bisque
- Pesto Martinated Chicken Breast
- Burgundy Beef Tips
- Baked Fish Creole over Rice
- Grilled Chicken Caesar Wrap
- Supreme Pizza
- Rio Grande Taco Salads

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

[Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, September 14

#### Lunch

- Chili Crusted Pork Loin
- Apple Salsa
- Roasted Sweet Potatoes
- Apple Walnut Cake

### Thursday, September 15

#### Dinner

- Chicken Sun Dried Tomato Rolls
- Coconut Shrimp Curry
- Lemon Grass Rice
- Ginger Souffle w/Rhubarb Sauce

[Chez Leon Menu](#)

Call x4512 to make your reservation.

## Search

## Search the Fermilab Today Archive

## Info

Scientists from CDF and DZero gave presentations on the discovery potential of Run II and the performance of the Tevatron as well as the collider detectors ([talks](#) are available online). Fermilab Director Pier Oddone provided an overview of Fermilab's long-term plan and how it intersects with the startup of the LHC and the schedule of the ILC project. He pointed out that the current U.S. accelerator program is the leading program in the world with regard to the neutrino frontier, the flavor frontier, and the energy frontier.

"We do have the greatest window [of discovery] before the LHC turns on," he said, pointing out that the difference in reaching 4 or 8 inverse femtobarns at the Tevatron makes a big difference in terms of discovery. But he stressed the importance of the ILC for the lab and the U.S. high-energy physics program. "The ILC is the highest priority initiative for the lab. It presents an incredibly rich program, and that's what motivates us to put so many resources in this machine."

The P5 panel is a subpanel of the High Energy Physics Advisory Panel that advises DOE and NSF. Following the June, 2005 [charge letter](#), it held its first meeting in Washington, D.C., where panel members received presentations from DOE and NSF, from scientists involved in other studies (APS neutrino study, EPP2010 committee), and from scientists involved in the LHC and the ILC. In October, the P5 panel will meet at SLAC to review the B-factory program. The panel will submit its report with advice on the collider programs in November. A second report,

existing policy to restrict the use of unsupported and outdated operating systems. All systems must participate in a patching infrastructure that supports the rapid dissemination of security patches and a virus protection program that will automatically update recognition of virus signatures. The task before us is to make this transition to a more secure computing environment as quickly as possible while maintaining the flexibility that supports our scientific programs.

## Accelerator Update

### September 9 - 12

- During this 72 hour period Operations established two stores that provided the experiments with approximately 51 hours and 27 minutes of luminosity
- Power glitch quenches store, and dumps stack and stash.
- Pbar off due to D:QF failure

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

### Volunteer to Help Katrina Victims

Northern Illinois Food Bank could use some volunteers in St. Charles. They are located at 600 Industrial Dr. You can call them at 630.443.6910 or find them on the [web](#).

### Theater—*Copenhagen*

TimeLine Theatre in Chicago presents the Tony-Award-winning drama *Copenhagen*. Set in 1941, the drama is about a mysterious trip by German physicist Werner Heisenberg to Copenhagen for a meeting with his Danish mentor, Niels Bohr. The play runs through October 9.

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

Send comments and suggestions to

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

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recommending a roadmap for U.S. particle physics within a global context, is expected in early 2006.

—Kurt Riesselmann

### In the News

#### From *Interactions.org*, September 9, 2005

#### 17 million euros for the construction of a national grid infrastructure

This Thursday, the German Ministry of Education and Research (BMBF) approved 17 million euros to set up a national grid infrastructure (D Grid). In the next three years, the scientific institutes and companies involved will be developing the required middleware levels and connecting five grid projects. The D Grid network will later be extended beyond the borders of Germany so that scientists can process complex scientific issues anywhere regardless of the local IT equipment.

[Read More](#)

[More Information](#)

#### Upcoming Activities

[Habitat Restoration](#)- September 17, October 15, November 19, and December 17.

#### Recreation Ticket Sales

The Recreation Office will resume selling movie tickets, Entertainment Book sales, canoe rentals, etc., Monday through Friday. Payment by Visa, MasterCard, check, or cash will be accepted. AMC Theater Discount Tickets - \$5.75  
Entertainment Books - \$25.00

[More Information](#)

#### Folk Dancing

International Folk Dancing will meet Thursday, Sept. 15, 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 e-mail [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

#### Building Manager Notice

The Ramsey Auditorium Lobby and access stairwell from the atrium level will be closed on Wednesday, September 14 and Thursday, September 15 due to area carpet installation. Please use designated alternate entrances and exits.

[Upcoming Activities](#)