

## Calendar

**Mon., July 30**

PARTICLE ASTROPHYSICS SEMINARS WILL RESUME IN THE FALL

**3:30 p.m.**

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over

**4:00 p.m.**

All Experimenters' Meeting - Curia II

**Tue., July 31**

**12:00 p.m.**

Summer Lecture Series - One West

Speaker: M. Demarteau, Fermilab

Title: Detectors

**3:30 p.m.**

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over  
THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

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

## Weather



Sunny 85°/63°

## [Extended Forecast](#)

## [Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

**Monday, July 30**

- No menu available

[Wilson Hall Cafe Menu](#)

## Chez Leon

## Feature

### Tully, Green new leaders of LHC Physics Center



Dan Green, left, and Chris Tully

With the construction of the CMS detector well underway and the CMS collaboration preparing to take physics data in 2008, Director Pier Oddone appointed Chris Tully, Princeton University, and Dan Green, Fermilab, as the coordinators of the LHC Physics Center at Fermilab. The LPC, located on the 10th and 11th floors of Wilson Hall, provides support for CMS collaborators working in the U.S.

Tully, who got involved in CMS in 1994, has been a member of the DZero collaboration at Fermilab since 2002. Green has worked on CMS since 1994 and initiated the U.S. involvement in the CMS experiment. NSF and DOE have contributed \$167 million toward the construction of the CMS detector.

"Dan and I have worked together on the CMS Hadron Calorimeter for about six years," said Tully. "I think we are a great team. There is a lot of momentum we can generate."

While the LPC is key element of the CMS Physics analysis plan at Fermilab, it is also part of the U.S. CMS organization and a key element of the CMS governance report. "The universities own the LPC as much as Fermilab," said Lothar Bauerdick, head of the CMS Center. "Surveys have shown that the majority of U.S. CMS users will use the LPC. Now is the time to firmly establish the LPC and prepare the place for CMS data taking and real physics analyses."

CMS physicist Dan Marlow, Princeton University, chaired the committee that consulted about 50 U.S. CMS institutions before presenting to Odoone a short list of

## Safety Tip of the Week

### Toolbox meetings

Greg Gilbert is the superintendent of the Mechanical/Electrical/HVAC Group in the Operations Department of FESS. One of his jobs is to run weekly toolbox meetings for the Operations Department.



Toolbox meetings are brief, frequently-held safety get-togethers intended to inform and motivate employees about ES&H matters. Sometimes these meetings are also known as tailgate meetings or coffee break meetings, and they are a great way for every department to focus on ES&H on a regular schedule.

The Operations Department in FESS is a good model of how these meetings can be unobtrusive. Their weekly toolbox meetings are scheduled for the same time each week: Friday at 12:30 p.m. This continuity has simplified scheduling and encouraged attendance. Since this is the only time during the week that the group's entire day-shift meets together, the meeting is also used for general announcements including site status and operational information.

Gilbert offers the following advice for those who might be interesting in organizing toolbox meetings.

- **Duration** - Although the Operations Department meetings typically last 30 minutes, the recommended duration for an ES&H-only toolbox meeting is 10-20 minutes.
- **Content** - There should be a single ES&H topic that directly affects the activities of the group. If there are no pressing issues, consider reviewing the weekly safety tip from *Fermilab Today*.
- **Minutes** - Minutes should be kept from toolbox meetings. Not everyone can attend and some items require follow up. Minutes can be distributed to workers who are unable to attend and a hard copy is posted in a common area. Important follow up items can be carried forward to future meetings.

**Wednesday, August 1****Lunch**

- Parsley poblano salad w/ orange glazed beef
- Blueberry cobbler

**Thursday, August 2****Dinner**

- Asian Spring Rolls
- Grilled Seafood in Saffron Sauce
- Vegetable risotto
- Grilled Bananas w/Rum & Ice Cream

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Archives**[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

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)

candidates to lead the LPC. "The LPC should be a place where CMS physicists can pursue their physics goals," said Marlow. "People will come to the LPC saying, 'Here is what I want to do,' and the LPC will help them. Chris and Dan are both excellent physicists who can make this happen."

Tully and Green are following in the footsteps of Sarah Eno, University of Maryland, and Avi Yagil, now at UC San Diego, who led the LPC efforts so far. "They have made this place what it is now," said Bauerdick. "It's a busy place."

Green, who invented the LPC concept, pointed out the importance of operating the LPC as part of the worldwide CMS collaboration. "We need buy-in from the entire collaboration and need to maximize our resources," he said. "We want to be joined at the hip with the CMS Physics Coordination. This is not a Fermilab show."

-- Kurt Riesselmann

**Feature****New pi pole replacement parts arrive for assembly**

New metal pi poles arrived Thursday. The metal poles will replace the decaying wooden pi poles currently on site.

The replacement project of Robert Wilson's original 19 pi-shaped wooden power poles began last Thursday with the arrival of new steel structures of the same dimensions.

Wilson, who commissioned the poles more than 30 years ago, designed them with the lab's aesthetically conscious architecture in mind. The original poles were suffering damage from insects, woodpeckers and age deterioration.

"These wood poles are a big infrastructure vulnerability to laboratory operations," said Randy Orgiesen, head of the Facilities

[Safety Tip of the Week Archive](#)**In the News****Beacon News, July 28, 2007****'What's it going to do to my house?'**

BATAVIA -- "Scientists are very good at researching and being sure of what they know, but they're very bad at conveying why they are sure."

Those are the words of Mark Fischler, a scientist at Fermi National Accelerator Laboratory, and they sum up the thought process behind the creation of the International Linear Collider Citizens Task Force.

The Task Force is a group of 24 Fox Valley residents who have been asked to help start a dialogue between the lab and the communities surrounding it about the ILC, a proposed \$8 billion, 20-mile-long particle acceleration device that the lab hopes will be built some 500 feet under its Batavia home.

[Read more](#)

**Accelerator Update****July 25 - 27**

- Two stores provided 28.75 hours of luminosity
- Tevatron Quench

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements****New issue of Symmetry**

The new issue of Symmetry is now [online](#). Hard copies will be distributed beginning Thursday.

**2007 GSA Triathlon**

The 2007 GSA Triathlon will take place on August 11, 2007. Those interested in participating should email [Mandy Rominsky](mailto:Mandy.Rominsky) as soon as possible. Please include your estimated swim time and overall completion time in your message. Volunteers are also needed to help during the event and should contact Mandy.

**Professional Development classes**

New classes are always being added to the professional development schedule. For the

Engineering Services Section. "We considered a lot of options when we were trying to find a solution to replace the poles. We worked in very close collaboration with the Department of Energy Fermi Site Office and the city of Batavia for three years."

The project finally came to fruition last fall when DOE entered into a public utility easement with the city of Batavia that included replacement of the poles and construction of new lines for the city. The new lines will support both Batavia and Fermilab's power lines, which will carry 138,000 and 345,000 volts of electricity respectively, and will be among other high-voltage structures that Batavia will install on site for their use. Batavia agreed to replace the pi-poles in order to eliminate future vulnerabilities on their new lines.

One option considered was to replace the pi poles with conventional stick poles, but the laboratory made sure they kept their unique pi shape. "Wilson personally designed these poles," said Steve Krstulovich of the Facilities Engineering Services Section. "For this reason the laboratory insisted that because the pi poles were landmarks, their design should remain the same. They were manufactured just for Fermilab by PennSummit in Pennsylvania."

The first parts of the specially fabricated poles arrived last Thursday afternoon and were placed by forklift next to the poles they will be replacing. Drilling is underway. The installation process is expected to take two months and be completed before the end of the upcoming accelerator shutdown.

-- Lauren Younis

most up-to-date course offerings, visit the training [web site](#).

### **Midsummer Theatre Troupe Shakespeare in the Park**

If you're looking for something to do this weekend, head out to see Bruce Worthel of the Accelerator Division plays Egeus in Shakespeare's "Midsummer Night's Dream." Batavia's Clark Island is still off limits due to construction, but you can see the play for free at these locations:

Tuesday 7/31/07 - Aurora, Peyton's Roundhouse - 7 p.m.

Saturday 8/4/07 - Aurora, Phillips Park - 7 p.m.

### **Salary Review Process Location Change**

General information for all employees on updates to the salary review process is now available [online](#). Please review this presentation. If you have any questions on the information provided or any topic related to the upcoming salary review, please attend one of the town-hall meetings scheduled for 1:30 p. m. on July 31 in Wilson Hall, Auditorium.

### **DOE Launches Search Site**

The Department of Energy has launched the [Science Accelerator](#), a one-stop search tool to search the OSTI's key collections. The new service deploys federated search technology to retrieve results ranked by relevancy.

### **Accelerated C++ Short Course**

On August 1, Fermilab will offer the first session of Accelerated C++: A Short Course in Practical Programming by Example. A limited number of seats are available. The Short Course is an extended professional development experience that emphasizes computer programming in modern standard C++. No tuition is charged; the only cost is for the required textbooks. Participants receive TRAIN credit upon successful completion of the eight-session course. Walter Brown, who participates on Fermilab's behalf in the international C++ standardization effort, is the course instructor. He is a member of the Computing Division's LSC department. Course registration is now open; see the [Course Announcement and Syllabus](#) for details.

### **[Additional Activities](#)**