

Calendar

Wednesday, September 22

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: D. Lamb, University of Chicago

Title: Scientific Highlights of the HETE-2

GRB Mission

Thursday, September 23

2:30 p.m. Theoretical Physics Seminar -

Curia II

Speaker: K. Agashe, Johns Hopkins

University

Title: B-Factory Signals for a Warped

Extra Dimension

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Accelerator Physics and

Technology Seminar - 1 West

Speaker: M. Huening, Fermilab

Title: Polarized Electron Beams from an

RF-Gun: Problems and Prospects

Wilson Hall Cafe

Wednesday, September 22

French Onion Soup

Texas Style Meatloaf Sandwich \$4.75

Grilled Chicken with Black Bean & Corn

Salsa \$3.75

Kielbasa & Sauerkraut \$3.75

Three Cheese & Tomato Panini \$4.75

Sausage & Pepperoni Combo \$2.75

Fettucine Carbonara with Ham &

Mushrooms \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather

Year-long TeV4LHC Workshop Began with Fermilab Meeting



More than 200 people attended the TeV4LHC workshop last week. (Click on image for larger version.)

Last week Fermilab hosted the first round of the TeV4LHC workshops, dedicated to making the experience from today's highest-energy accelerator benefit the next-generation experiments at CERN's LHC.

The Tevatron's current know-how, and specially designed observations over the next few years, can help LHC physicists learn how to sift through terabytes of "background" to find the elusive signs of new physics when the LHC begins operating, said TeV4LHC organizer Marcela Carena, a Fermilab theoretical physicist.

"Real data analysis has always been more difficult than the simulations. We expect that the same is going to happen at [the two LHC detectors] ATLAS and CMS," said workshop organizer Stephen Mrenna, also a Fermilab theorist.

Tevatron experimenters such as Regina Demina of the University of Rochester shared knowledge they earned the hard

New Head of EPP

On July 1, David Christian became the new head of the Experimental Physics Projects Department. Christian, who has served as deputy head of EPP for the past two and a half years. He replaces Mike Albrow, who stepped down after six years as department head.



Dave Christian

"I had a great time," said Albrow. "There's a lot of variety in EPP. I liked the outreach aspect, and I particularly enjoyed being chair of the Research Associate Committee. We have about 80 applicants a year for a half dozen positions, so I got to meet a lot of young scientists." Albrow will continue his work with the



Mike Albrow

CDF experiment, and plans to join the CMS experiment at the LHC.

Christian, a 24-year Fermilab employee, has collaborated on several experiments at the laboratory and worked in management positions in several departments. He now looks forward to working with small and developing projects at Fermilab.

"I'm still getting acclimated," said Christian. "In the short term, I'm looking forward to figuring out the goals of the department, and how it can best serve its purpose in the laboratory. EPP provides



Sunny 83°/55°

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way. "[Supersymmetry] will not jump at you after one week," Demina said in her talk Thursday morning, referring to one of the most coveted discoveries the LHC hopes to make.

Many in the audience, such as CERN's Albert De Roeck, appreciated recommendations such as Demina's on carefully separating the detector commissioning phase from the science. "It's a very open discussion," De Roeck said, "and this is the time to be open."

The workshop's intended audience included physicists at U.S. institutions who will take part in the LHC experiments through the LHC Computing Grid. "We're hoping to show the world that this is a viable alternative to traveling," Mrenna said.

The three-day workshop, which attracted more than 200 participants, will be followed up by meetings at Brookhaven National Laboratory in February, at CERN in April, and again at Fermilab next fall.

In the News

Press Release: Lawrence Berkeley Lab, September 19, 2004

Moore Foundation Awards \$2.38 Million for Supernova Research

BERKELEY, CA – The Gordon and Betty Moore Foundation of San Francisco has awarded \$2,377,000 to the University of California at Berkeley's Space Sciences Laboratory, in support of the Nearby Supernova Factory (SNfactory). The grant is intended to further dark energy research through the study and understanding of nearby Type Ia supernovae, a special class of very bright

support for small projects and for ideas which haven't yet proven themselves; a very small amount of support can make the difference between an idea developing or dying."

Announcements

Sing Happy Birthday to CERN this Friday

Next month CERN will celebrate its 50th birthday. Fermilab and other particle physics labs are preparing an audio birthday card that will be sent to CERN. Join us this Friday, September 24 at 11:30 a.m. on the front steps of Wilson Hall to sing Happy Birthday to CERN. For more information, contact [Elizabeth Clements](#).

Wilson Hall Warden Training

It's time for the annual WH Emergency Warden Training again! Training is available on September 27 at 1:30 p.m. and September 28 at 10:00 a.m. Class is not expected to last more than an hour.

Fermilab Film Series Friday

The Fermilab Film Series presents "O Brother, Where Art Thou?" on Friday, September 24 at 8:00 p.m. in Ramsey Auditorium. Tickets are \$4.00.

[more information](#)

International Folk Dancing

International Folk Dancing will be held at 7:30 p.m. Thursday, September 23, at the Geneva American Legion Post. Newcomers are always welcome. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Strength Training Class

Free Class and Fall/Winter Schedule

There will be a free strength training class

exploding stars.

The grant is one of five the Moore Foundation has recently made to the University of California system in astronomy and astrophysics, including grants for the creation of a 30-meter telescope (with Caltech) and to the Mount Wilson Observatory, and grants for studies of stellar atmospheres and adaptive optics. The SNfactory grant, made through UC Berkeley's Space Sciences Laboratory, is directed to the "development of tools critical for greater understanding of Type Ia supernovae as indicators of dark energy."

[Read more](#)

on October 12. You must register with the Recreation Office for this free class. If you are not a Recreation Facility member, we will give you access for the free class. If you like the class, sign up for either the 5 week or 4 week Muscle Toning Class. The five-week course runs from October 19 - November 18 and costs \$40.00. The four-week course runs from November 23 - December 21 and costs \$32.00. Classes are held on Tuesday and Thursday from 5:30 p.m. - 6:30 p.m. in the Recreation Facility exercise room. The registration deadline is the Friday before the start of the session. You must be a current facility member to participate. Registration can be made in the Recreation Office, by mail (registration form found on the Recreation webpage) or by phone using a credit card.

[more information](#)

Voter Registration in Wilson Hall

There will be an opportunity to register to vote in the November 2 elections in 1 North in Wilson Hall on Thursday, Sept 23 and Friday, Sept 24 between noon and 1:00 p.m. You must be a resident of Du Page or Kane County. Bring two pieces of identification, one showing your current residence (e.g. an addressed envelope). If you are a registrar for either Du Page or Kane County please contact [Mike Albrow](#) at x8618 because help is needed.

Upcoming Power Outages

September 24

Wilson Hall and all of Fermilab except for the Village and the Main Injector: Master Substation switch over will begin around 7:00 AM, no power site-wide for 1/2 hour.

September 25

Linac, Cross Gallery, Main Control Room,

High Bay, MAC Room: feeder 40 work will begin at 7 AM; no power to these areas for eight hours