

Calendar

Friday, June 4

9:00 a.m. [GSA – Annual Fermilab Student Conference – New Perspectives 2004](#) - Curia II

3:30 p.m. DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West
Speaker: E. Blucher, University of Chicago
Title: Recent Results from KTeV

Monday, June 7

2:30 p.m. Theoretical Astrophysics Seminar - Curia II
Speaker: B. Menard, Institute for Advanced Study
Title: Gravitational Lensing by Absorber Systems

3:30 p.m. DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II

Wilson Hall Cafe

Friday, June 4

Beef Pepper Pot Soup
Buffalo Style Chicken Filet on a Kaiser Roll \$4.75
Cajun Breaded Catfish \$3.75
Honey Mustard Ham & Swiss Panini \$4.75
Double Stuffed Pizza \$2.75
Roasted Turkey Breast \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather

Users Hear Achievements, Plans for the Future

URA President Fred Bernthal welcomed Fermilab users to the second day of the 2004 Users Meeting, giving brief updates on the upcoming bidding for new contracts at many DOE labs and on changes in the DOE management. The search for a new Fermilab director is one of the top URA activities this year. Neal Lane, chair of the Search Committee, outlined the criteria used in evaluating the nominations received from the scientific community. A few days ago, the committee discussed all suggestions received in the past couple of months and produced a shorter list. The committee is now checking with nominees whether they would be interested in serving as director. Later this year the committee will submit at least three names of candidates to the URA Board of Overseers. "We are not asked to rank the candidates," said Lane, "but we'll have an opportunity to discuss with the Board of Overseers the pluses and minuses of the candidates."



Fermilab Director Search Committee Chair Neal Lane

In his State of the Lab address, Fermilab Director Mike Witherell pointed out that "it's remarkable that we've been able to do so well with so little funding," referring to the positive outcomes of numerous reviews earlier this year. The integrated luminosity of the Tevatron for FY2004 is above the design goal, MINOS is on track for commissioning in January 2005, and

Special Guests at Yesterday's ELM Committee Meeting



Jed Brown (left) presented Jon Duerr with a framed photo of the laboratory. (Click on image for larger version.)

Jon Duerr, Executive Director of the Forest Preserve District of Kane County, and Brook McDonald, President and CEO of The Conservation Foundation, attended yesterday's meeting of Fermilab's Ecological Land Management Committee. After seeing Fermilab's recently-completed prairie video, McDonald traveled to Fermilab to meet committee members and to present a video highlighting the Foundation's accomplishments in land and watershed management over the past year.

Duerr, who will retire from the Forest Preserve at the end of June, was recognized by the committee for his efforts in establishing a relationship between the Forest Preserve and the laboratory. Associate Director Jed Brown presented him with a framed photo of the laboratory and read a letter from Director Mike Witherell thanking Duerr for his work on Fermilab's behalf.

The ELM Committee oversees land use and land management activities at



Mostly Sunny 74°/52°

[Extended Forecast](#)

[Weather at Fermilab](#)

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two weeks ago MiniBooNE saw a new record for protons received on target in a single week. Outlining the Fermilab program 2005 to 2025, Witherell emphasized the critical role that Fermilab will play in enabling U.S. scientists to take full advantage of the LHC. The lab is establishing an LHC Physics Center, complemented by a Center for Particle Astrophysics. The lab is also laying the foundation to either host a Linear Collider or to build a proton driver for a high-intensity neutrino program. "The overarching vision for Fermilab in 2020 is that it will be the primary site for particle physics accelerators in the US."

Talks by representatives of KEK, CERN and ANL reflected the global partnerships among particle physics laboratories. Bill Foster outlined how Fermilab would use the expertise and technologies developed at different laboratories to build a proton driver while minimizing the need for additional R&D. Several science talks outlined the progress made in neutrino and flavor physics, and the progress in the construction of the CMS detector at CERN and the operation of the CDMS detector in Soudan.

Today, the Graduate Student Association will begin its [annual meeting](#), including invited talks by guest speakers Leon Lederman and David Hertzog and the presentation of the prize for the best student poster.

[Access to Users Meeting presentations](#)

Fermilab. The committee meets monthly to discuss the status of the lab's ELM plan, wildlife and plant monitoring, community outreach, and any other issue concerning the maintenance and restoration of lab lands. The committee is made up of approximately 20 volunteers from Fermilab and outside organizations such as the Forest Preserve District of Kane County, the U.S. Fish & Wildlife Service, and the Illinois Department of Natural Resources.

Announcements

New Classified Ads Posted on Fermilab Today

New [classified ads](#) have been posted on *Fermilab Today*. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

Free English Classes

NALWO-sponsored free English language classes for beginning and advanced levels are Fridays at the Users Center from 9:30 a.m. to 11:00 a.m.

Fermilab June Golf Outing

The first golf outing of the year will be on Friday, June 25th. This outing is open to everyone (no handicap is required). It will be a 1:00 shotgun start at Mill Creek Golf Club in Geneva. The entry fee is \$55 per person and includes green fees, cart, and all event contests. Deadline to sign up is June 14th. For more information or to sign up, contact [Tim Gierhart](#), x5070 or [Jerry Leibfritz](#), x8779.



Fred Bernthal (right) presented the 6th annual URA thesis award to Florencia Canelli, who received her Ph.D. from the University of Rochester. The \$3,000 prize recognizes her outstanding thesis on the "Helicity of the W boson in single lepton p-pbar events," in which she describes a new method for extracting parameters from the decay of particles observed in the DZero experiment. Canelli, who is from Argentina, is now a postdoc at UCLA, working on the CDF experiment. (Click on image for larger version.)

In the News

From *Nature Magazine*, June 3, 2004

When symmetry breaks down

Electroweak-symmetry breaking: solving the riddle of how symmetry is broken may determine the future direction of particle physics.

Our prehistoric ancestors did not need any modern equipment to detect the effects of what we now call the electromagnetic interactions. Light is pretty obvious in everyday life, and other electromagnetic effects, such as static electricity, lightning bolts and the magnetic properties of some rocks, such as lodestone, were well known in ancient days.

[read more](#)