

Calendar

Wednesday, December 8

11:00 a.m. Fermilab ILC R&D Meeting -
(NOTE LOCATION)Curia II

Speaker: W. Wester, Fermilab

Title: ILC Detector Electronics/ASICs

Development – Fermilab & Collaborators

Speaker: W. Cooper, Fermilab

Title: A Silicon Tracker for ILC – Fermilab
& Collaborators

Noon Particle Astrophysics Center

Exhibit, noon to 4 p.m. - WH 15th floor

3:00 p.m. DIRECTOR'S COFFEE

BREAK (NOTE TIME & LOCATION) -
15th Flr X-Over

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

Speaker: M. Turner, National Science
Foundation

Title: The Big Questions in Cosmology

Thursday, December 9

2:30 p.m. Theoretical Physics Seminar -
Curia II

Speaker: M. Okamoto, Fermilab

Title: Full Determination of the CKM

Matrix with Unquenched Lattice QCD

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR
PHYSICS AND TECHNOLOGY
SEMINAR TODAY

Wilson Hall Cafe

National Academies Study: EPP2010

Sally Dawson Explains

Sally Dawson, a Brookhaven physicist, is vice-chair of the EPP2010 and chair of the Executive Committee of the Division of Particles and Fields of the American Physical Society.

Particle physics addresses some of the most basic questions in science and the field is fortunate to be at a time when many of these questions can be answered by current and planned experiments. How to effectively use limited resources to maximize our science output has been the impetus for numerous studies. A new study, dubbed EPP2010, "Elementary Particle Physics in the 21st Century", has just begun its work.



Sally Dawson

Every ten years, the National Research Council of the National Academies conducts decadal studies of different areas of physics. The last study of particle physics was chaired by Bruce Winstein of Chicago and was completed in 1998. The new decadal study (EPP2010) will lay out the grand questions of particle physics. This committee is charged to "identify, articulate, and prioritize the scientific questions and opportunities that define elementary particle physics".

The new study is chaired by Harold Shapiro, the president emeritus of Princeton, and an economist and expert in bio-ethics. About half of the members of the EPP2010 committee are non-

Open House Kicks Off Particle Astrophysics Activities

This afternoon, the Fermilab Particle Astrophysics Center will hold an Open House for all employees and users on the 15th floor of Wilson Hall from noon to 4:00 p.m. "I hope everyone at Fermilab will stop by to get acquainted with the new Particle Astrophysics Center," said Rocky Kolb, the Center's new director. The six Particle Astrophysics Center groups will show videos, display posters and present experimental equipment related to their work. Coffee and tea will be available. The posters will remain on display until Friday afternoon.

At 4 p.m. today, Michael Turner will present the Fermilab Colloquium on "The Big Questions in Cosmology." Beginning Thursday, Fermilab hosts a 3-day workshop to inaugurate the Particle Astrophysics Center: [Fundamental Physics from Galaxy Clusters](#). All Fermilab employees and users are welcome to attend.



Announcements

Wednesday, December 8

Vegetable Beef Soup

Quarter Pound Hot Dog in a Soft Pretzel

Roll \$4.75

Turkey a la King over Biscuit \$3.75

Country Fried Steak with Pepper Gravy
\$3.75

Beef & Cheddar Panini w/ Sauteed
Onions \$4.75

Assorted Personal Sized Pizzas \$3.25

Cavatappi Pasta with Italian Sausage &
Tomato Ragu \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Mostly Cloudy 48°/34°

[Extended Forecast](#)

[Weather at Fermilab](#)

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[Secou Level 3](#)

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particle physicists. The committee and its charge are [available online](#).

The first meeting of the EPP2010 committee was held in Washington, D.C. on Nov 30 and Dec 1 and focused on introducing the non-particle physicists on the committee to the questions of particle physics and on discussions of how to set scientific priorities in general. The meeting led off with a trio of physics talks by Joe Lykken (Particle Physics on the Edge), and Chris Quigg (Coming Revolutions in Particle Physics), of the Fermilab theory department, and by Persis Drell (Strategies for Discovery), of SLAC. All of the talks from this meeting are [posted online](#). [read more](#)

Frank Linde Starts as New Director of NIKHEF

On December 1, Frank Linde became the new director of NIKHEF in Holland.

Appointed in July by the Foundation for Fundamental Research of Matter, Linde takes over from Interim Director Karel Gaemers, who was appointed when Jos Engelen became the scientific director at CERN. Linde's appointment at NIKHEF is for five years, with the

possibility of renewal for another five. He will also remain on the faculty at the University of Amsterdam.

Born in Oosterbeek, Holland, Linde studied physics in

Utrecht and received his Ph.D. in 1988 from the Rijksuniversiteit Leiden, based on research he did for NIKHEF at SLAC in California. After that he was on and off



New NIKHEF Director
Frank Linde

Listserv Downtime on Thursday

On December 9, as part of the listserv upgrade process, the system will be unavailable from 6:30 a.m. to approximately 8:00 a.m. [more information](#)

DELL Presents State of the Art Show Today

On December 8, DELL will present the State of the Art show with their hardware in the Fermilab cafeteria from 9:00 a.m. to 2:00 p.m. EMC will also be in attendance and a working lunch regarding storage will be held for a small number of people from noon to 1:00 p.m. in One North. To attend the working lunch, please RSVP to Jack Schmidt by 9:00 a.m. on Wednesday.

Unix-Users Meeting Today

The next Unix-Users meeting will be on Wednesday, December 8 at 1:00 p.m. in One North. Here is an agenda:

- recap of the Lisa Conference
- Mark Leininger and crew with a security presentation
- Scientific Linux Fermi 3.0.3 x86_64 (LTS 303 for Opteron's and Xeon ia32e)
- Scientific Linux 3.0.4
- Tips and Tricks / Quiz / Questions and Answers

[more information](#)

Upcoming Power Outages

Neutrino Labs A, B, D, E, & F

12/11/04 - These Neutrino Labs will be without power for four hours starting a 7 AM on Saturday.

Neutrino Labs A, C, & D

12/14 or 15/04 - These Neutrino Labs will be without power for one hour while they get connected to a generator. They will be on the generator for about a week and

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in the Netherlands (NIKHEF and Universiteit van Amsterdam), and abroad (Carnegie Mellon University in Pittsburgh, 1988-1991 and CERN in Genève, 1991-2000). Linde is also the program manager for the Dutch contribution to the ATLAS detector. He also actively contributes to outreach activities for high-school students, and is currently involved in the Dutch activities for the World Year of Physics 2005.

In the News

From *The Chicago Tribune*, December 7, 2004

Unusual cancer clinic to reopen at Fermilab

By William Grady

An unusual cancer-treatment clinic, which closed after struggling to attract patients and funding, plans to reopen next month with a new partner and renewed interest in research at Fermi National Accelerator Laboratory.

Tucked into a corner of the sprawling high-energy physics facility near Batavia, the low-profile clinic had treated more than 3,100 patients since 1976 using subatomic particles called neutrons produced by Fermi's linear accelerator.

[Read more](#)

then go down for another hour to connect back to regular power.

Fermilab Blood Drive

Mark your calendars for Fermilab's blood drive on December 13 and 14 from 8:00 a.m. to 2:00 p.m. at Wilson Hall, Ground Floor NE Training Room. Schedule an appointments below or by calling Lori at x6615. There is a prize drawing for all who donate - including 2 lunches for Chez Leon - courtesy of URA!

SciTech Exhibit

A T. rex Named Sue will be on display from November 27, 2004 to February 21, 2005 at SciTech in Aurora. Fermilab employees receive 2-for-1 admission on Friday, December 10, 2004 from 4:00 to 7:00 p.m.

Fermilab Barnstormers Meeting Wednesday

The Fermilab Barnstormers, Model Aeronautic Club, will have its meeting, Wednesday, December 8 at 5:30 p.m., in the Users' Center Music Room. Meetings are held on the second Wednesday of each month. Current members fly R/C gas planes, electric planes, control line planes, and helicopters.

[more information](#)

International Folk Dancing

International Folk Dancing will be held at 7:30 p.m. on December 9, at the Geneva American Legion Post. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

[Upcoming Activities](#)