

Calendar

Wednesday, October 20

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Speaker: H. Georgi, Harvard University

Title: Women and the Future of Physics

Thursday, October 21

1:00 p.m. Computing Techniques

Seminar - 1 West

Speaker: D. Duellmann, CERN

Title: The POOL and 3D Projects –

Persistency Framework and Distributed Database Deployment in the LCG

2:30 p.m. Theoretical Physics Seminar -

Curia II

Speaker: E. Boos, Moscow State

University/Fermilab

Title: MSSM Higgs Bosons in the Intense Coupling Regime at the LHC and LC

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Accelerator Physics and

Technology Seminar - 1 West

Speaker: A. Apyan, Northwestern

University

Title: Production of Polarized Positron

and Photon Beams for Future Linear

Colliders and Beam Dynamics

Wilson Hall Cafe

Last Chance for Flu Shots



Fermilab's Medical Office

In case you missed it, Fermilab's single flu shot clinic was scheduled for Tuesday, 10/19/2004. If you are an active full-time regular employee, term employee or temporary employee AND you meet at least one high risk flu criteria, you may still be able to get a free flu shot. High risk criteria include age (at least 65 years), chronic medical conditions, pregnancy, or ability to transmit flu to high risk individuals. Pregnant workers and those with neurological diseases will need to present a note from their personal physicians stating that it is OK to receive a flu shot.

Contact the Medical Department at extension 3232 to check on availability and scheduling. Vaccinations will be administered in the Medical Office located at the northwest corner of Wilson Hall on the ground floor level. Office hours are 7 a.m. to 5 p.m. The lab's flu shot program will end at noon on 10/21/2004.

Fermilab's Contributions to SETI@home Rank Third Among World's Governmental Agencies

White House Exhibit on Display in the Wilson Hall Atrium



Adrienne Kolb (right) and Nadya Shemyakina by the White House Exhibit in the Atrium. (Click on image for larger version.)

In the weeks leading up to Election Day, an exhibit in the Wilson Hall atrium celebrates the recognition Fermilab has earned from the White House throughout the lab's 37 years of history.

Curated by Adrienne Kolb and Nadya Shemyakina of the History and Archives Project, the exhibit includes photographs, documents, and mementos of awards given to Fermilab scientists. "It's nice to know how presidents recognized physicists' achievements on these rare occasions," Kolb said. The beginning of the exhibit also coincided with an official Archives Week for the Chicago area proclaimed last week by Chicago Mayor Richard Daley, Kolb said.

Featured objects recall the presentations of the 1973 National Medal of Science to Robert Wilson by President Richard Nixon, the 1989 National Medal of Technology to Helen Edwards, Richard Lundy, Rich Orr and Alvin Tollestrup by President George H. W. Bush, and the 1992 Enrico Fermi Award to Leon

Wednesday, October 20

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

Fettucini Carbonara with Ham &

Mushrooms \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Cloudy 55°/46°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

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Info

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

Send comments and suggestions to

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[The Arecibo Observatory in Puerto Rico](#)

Some screensavers use a computer's idle time to make computations that are useful for science. A research organization can break up certain heavy-duty computation tasks into pieces that can be processed by the screensaver software on a volunteer's computer, a method known as distributed computing.

At Fermilab, use of SETI@home, perhaps the best-known distributed computing project, has ranked third among the world's governmental agencies for several years, and a Fermilab group received a certificate last month for its contributions.

SETI@home, which started six years ago at the University of California, Berkeley, is part of a worldwide Search for Extraterrestrial Intelligence. Made popular in the 1997 sci-fi movie "Contact" with Jodie Foster, SETI is the effort to find signs of intelligence in the huge mess of noisy radio signals coming from outer space. SETI@home takes data coming from the 305-meter telescope at the Arecibo Observatory in Puerto Rico - the largest in the world - and breaks it up into small chunks. The SETI@home screensaver periodically connects to the organization's server to download a chunk of data and upload the results of the previous round of calculation.

The "Fermilab - Friends of SETI@Home

Lederman by President Bill Clinton.

Tollestrup's medal, together with an original program of the White House ceremony and personal photographs, were loaned by the Tollestrups, while Lederman's Fermi Award was loaned by Lederman. Other documents on display - including several photographs of the Fermilab scientists meeting Presidents Lyndon Johnson, Nixon and Clinton, come from the Wilson and Lederman historical collections in the Fermilab Archives, Kolb said.

After the exhibit ends Nov. 5, the loaned objects will be returned to their owners, but a permanent on-line version will remain available on the History and Archives [home page](#).

Accelerator Update

October 11 - October 15

Tevatron - The Crystal collimator has been installed

Linac - Linac began sending beam to its dump.

Booster - Booster expects to be up and running beam by 10/20/04.

Antiproton Source - The septum magnet has been pulse tested at full current

Main Injector/Recycler - The overall shutdown work is about 80% complete

MiniBooNE - The old horn has been moved to TSB

NuMI - The kicker is pulsing

[Read the Current Accelerator Update](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Team" is a group of users associated with Fermilab, whose unofficial motto is "Fermilab - Where we smash atoms, so you don't have to." The group got started in 1999 when the Computing Division needed some serious number-crunching software to test a new computing farm. "We needed something that would make the CPUs stay very busy all the time. At the same time, we wanted to do something productive," said team founder Ken Schumacher. The SETI@home software was also chosen because of its ability to pause calculations and restart them later, he said.

Schumacher believes that distributed computing software that has science purposes and does not interfere with the laboratory's tasks constitutes "acceptable use" under the Fermilab Policy of Computing. For more information, or for joining the team, see their [home page](#).

In the News

From the *New York Times*, October 19, 2004

From a Physicist and New Nobel Winner, Some Food for Thought

By Dennis Overbye

GOLETA, Calif. - Fresh from a new Nobel Prize, with a smile as wide as the Pacific Ocean only a Frisbee throw away, Dr. David Gross stood with a microphone on a stage at the Kavli Institute for Theoretical Physics here.

[Read more](#)

1900 Productions Presents

"Copenhagen" at Elmhurst College

1900 Productions presents "Copenhagen" by Michael Frayn at Elmhurst College, running October 8 through November 14. Performances are Friday and Saturday at 8:00 p.m., Sunday at 2:00 p.m. at the Accelerator Art Space, 200 W. Park Ave. Elmhurst, IL. Tickets purchased by Fermilab employees are \$10.00 for all performances (regular price is \$20.00). Reservations can be made by calling the 1900 Productions box office at 630-251-7525.

[more information](#)

International Folk Dancing

International Folk Dancing will be held at 7:30 p.m. Thursday, October 21, at the Geneva American Legion Post. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov. And get your costumes ready -- both groups will have their usual Halloween parties the following week! (Costumes are optional, of course).

Fermilab Lecture Series this Friday

Timothy N. Wittman, Adjunct Professor of Architectural History & Historic Preservation, The School of the Art Institute of Chicago will present "A Confluence of Art, Science, and Economic Practicality: The Development of the Skyscraper." this Friday, October 22 at 8:00 p.m. in Ramsey Auditorium.

[more information](#)

Fermilab Association of Rocketry

The Fermilab Association of Rocketry is having its monthly club meeting on October 20 at 5:00 p.m., in the lower level of the village barn. The winter building sessions will begin after the meeting. If

you have something you want to build, bring it with you. Or just come, hang out and talk about rockets!

[more information](#)

Power Outage News

MI-65

October 25 – Power will be off to the MI-65 service building and tunnel for 5 hours starting at 2 PM on Monday.

MI-40

October 27 – The power will be off to the MI-40 service building and tunnel for three and a half hours starting at 8:30 AM on Wednesday.