

Calendar

Monday, Oct. 13
 THERE WILL BE NO PARTICLE ASTROPHYSICS SEMINAR THIS WEEK
3:30 p.m.
 DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
4 p.m.
 All Experimenters' Meeting - Curia II
 Special Topics: Multi-Batch Proton Injection into the Tevatron; CMS Commissioning; First MINERvA Modules

Tuesday, Oct. 14
3:30
 DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
 THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY
4 p.m.
[Budker Seminar](#) - One North
 Speaker: Daniel McCarron, Illinois Institute of Technology
 Title: Intensity-Dependent Beam Dynamics Studies in the FNAL Booster

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

Weather

 **Mostly sunny**
 81°/59°

[Extended Forecast](#)
[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Feature

Symposium looks at interplay of sciences



Carl Haber, a experimental physicist from Lawrence Berkeley National Laboratory, speaks to 420 area high school students and teachers during the Symposium on the Nature of Science held last week at Fermilab.

Increasingly once-disparate disciplines of science have found strength in drawing on each others' skill sets to advance research.

Fermilab highlighted these connections in the sixth Symposium on the Nature of Science held last week for 420 area high school students and teachers.

"We thought it was important for students who are excited about science to find out some of the cutting-edge research that scientists do and also

the connection between the sciences," said Ryan Conboy, a St. Charles East High School teacher. "I think that these scientists have made the case very convincingly."

Students listened to a biologist, chemist, experimental particle physicist and a physicist who drew from high-energy particle detection technology to restore historic sound recordings.

"(Imaging) has been a really great way to find to uses for physics and technology to impact other areas of society," said Carl Haber, of Lawrence Berkeley National Laboratory about how he works with the U.S. Library of Congress to restore damaged records and century-old cylinder recordings.

Marsha Rosner, who studies cancer at the University of Chicago, concluded her talk by explaining how simulations to predict genetic predispositions are similar to simulations made in other sciences.

"The future of biology will be in math and physics," Rosner said. "We're getting there."

Safety Tip of the Week

Autumn leaves



[Avoid injuries related to the falling, and clean up of autumn leaves.](#)

Autumn brings falling leaves and with them, several safety hazards.

Wet leaves can make surfaces slippery for people and vehicles. This makes starts and stops difficult and it can also lead to slips and falls. Leaves can also hide road markings, branches and rocks. Leaf accumulation can also lead to localized flooding from clogged drain inlets.

However, it's probably the removal of leaves from yards that provides the greatest opportunities for injury.

Raking leaves is a moderate physical activity that uses many muscles in your body. Warm up before you start: walk around, move your arms, bend your waist and stretch gently. When raking, use a wide stance and move your whole body rather than twisting at your spine. Switch the side you rake on every few minutes. Take a break every 10-20 minutes and drink some water. If using a tarp to move leaves, avoid overloading the tarp and don't twist your body when pulling it. If bagging leaves, avoid overloading and drag, rather than carry, the bag to move it.

If using a leaf blower, don't point it at other people. Wear goggles, ear plugs and work gloves. If it is dry outside or you are sensitive to dust, wear a dust mask. Wearing long pants and sleeves will prevent injury from flying debris. Don't use gasoline-powered blowers in an enclosed space to avoid carbon monoxide poisoning. To avoid shock, don't use a plug-in electric blower while standing on a wet

Monday, Oct. 13

- Minestrone
- Parmesan quesadilla
- Baked chicken enchiladas
- Smart cuisine: herbed pot roast
- Chicken melt
- Assorted sliced pizza
- Szechwan green bean w/ chicken

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Oct. 15 Lunch

- Beef bourguignon
- Parsley buttered egg noodles
- Apple walnut cake w/cream chantilly

Thursday, Oct. 16 Dinner

- Roasted red pepper & portabella mushroom salad
- Surf & turf
- Potato cups
- Brussels sprouts
- Lemon Napoleons

[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/

Send comments and suggestions to:

today@fnal.gov

--Tona Kunz

In the News

American Academy Inducts 228th Class of Scholars, Scientists, Artists, Civic, Corporate and Philanthropic Leaders

From *Reuters*, Oct. 11, 2008

...The 190 new Fellows and 22 new Foreign Honorary Members are leaders in scholarship, business, the arts and public affairs. They come from 20 states and 15 countries, and range in age from 37 to 86. The new members represent universities, corporations, museums, research institutes, media outlets and foundations.

Among this year's inductees are winner of the Nobel Prize in physiology or medicine, Linda Buck; computer company founders Michael Dell (Dell Inc.), and Charles M. Geschke and John E. Warnock (Adobe Systems, Inc.); former Secretary of State George P. Shultz; former Senate Armed Services Committee Chairman Sam Nunn; astronomer Adam Riess, who contributed to the discovery of dark energy in the universe; electrical engineer Henry Smith, the father of x-ray lithography; Darwin biographer Janet Browne; architect Elizabeth Diller; and physicist and arms control expert Sidney Drell.

Other new Fellows who will participate in the ceremony are: university heads France A. Cordova (Purdue University) and Richard Herman (University of Illinois at Urbana-Champaign); research center directors Piermaria Oddone (Fermi National Accelerator Laboratory) and Bruce Stillman (Cold Spring Harbor Laboratory); seismologist Paul G. Richards, who applies his work to monitoring underground nuclear test explosions; AIDS researcher Judith Lieberman; Larry V. Hedges, founder of the meta-analysis method of social research; Margaret Jane Radin, specialist in the jurisprudence of cyberspace; and tropical agriculture specialist Pedro A. Sanchez.

[Read more](#)

In the News

surface.

Accelerator Update

Oct. 8-10

- The shutdown ends, startup begins
- Linac will begin sending beam Friday afternoon
- The TeV cryo systems should be cold by late Friday night

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Have a safe day!

Diversity Fair Oct. 17

Fermilab's Diversity Council and the Planning Group for Multicultural Events subcommittee hosts the inaugural Diversity Fair from 11 a.m. to 2 p.m. Friday, Oct. 17. More than a dozen cultural exhibits and international foods will be on display and for sampling in the Wilson Hall atrium. Cultural performances, including traditional dance and song, will occur in the lunchroom and Ramsey Auditorium. To learn more about the Diversity Council, visit the [Web site](#).

NALWO Lincoln Park Zoo trip

NALWO, Fermi National Accelerator Laboratory women's organization, will host a trip to Lincoln Park Zoo on Sunday, Oct. 19, from 9 a.m. to 3 p.m. The event is open to anyone associated with the laboratory and their families. A chartered school bus will leave from the Lederman Education Center at 9 a.m. and will return at approximately 3 p.m. The tour cost is \$3 a person, but free for children under age 2. Paid reservations for this trip are required and will be accepted through Oct. 14. For more information, and to make your reservation, contact Margie Nagaitsev at mnagaitsev@hotmail.com or (630) 232-7308.

NALWO Halloween playgroup Oct. 25

Fermilab's women's organization NALWO sponsors a children's playgroup Halloween event at 4:30 p.m. Saturday, Oct. 25, in Kuhn Barn. The event is open to all Fermilab families. Wear a costume for the Halloween parade and join in face painting, a pumpkin relay, trick or treating and more. Rsvp by Oct. 19 to Maria at (630) 840-4246 or mariaungwon@yahoo.com Please bring a dish or desert to share.

DreamWeaver CS3: Advanced Nov. 5

Asia trumping US on science R&D

From *Christian Science Monitor*, Oct. 9, 2008

Federal funding for research has been falling in real terms. Is the nation's economic edge at stake?

Tallying this year's Nobel Prizes so far, it's been a respectable year for US-based scientists. Four shared the prestigious awards – three for chemistry and one as part of an international trio for physics.

As congratulations pour in, however, some science-policy specialists in the United States see troubling signs that federal support for research – measured by checks written rather than checks promised – may be weakening.

[Read more](#)

An advanced course in Dreamweaver CS3 will take place Nov. 5. Attendees can learn to establish database connectivity, work with record sets, create interactive page elements and administer database records and Web sites. Attendees can also learn to create a user authentication system. [Learn more and enroll](#)

Word Tips, Tricks & Techniques Nov. 6

A class in tips, tricks and techniques for Microsoft Word will take place Nov. 6. This class will allow attendees to use Word to enable better time management. Learn these tips and shortcuts to enhance task performance and create more appealing documents. [Learn more and enroll](#)

[Additional Activities](#)