

Calendar

Friday, Jan. 18

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4 p.m.

[Joint Experimental-Theoretical
Physics Seminar](#) - One West

Speaker: C. Leonidopoulos,
CERN

Title: The LHC Trigger
Challenge and the CMS
Strategy

8 p.m.

[Fermilab Lecture Series](#) -

Auditorium

Tickets: \$5

Speaker: Chris Quigg

Title: [The Coming Revolutions
in Particle Physics](#)

Saturday, Jan. 19

2:30 p.m.

[Fermilab Gallery Chamber
Series](#) - 2nd Floor Art Gallery

Tickets: \$15

Meridian String Quartet

Monday, Jan. 21

**Holiday - Martin Luther King
Day**

Weather

 **Snow 25°/2°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Feature

SciBooNE recognized for reusing science



Camillo Mariani (top), and Lucio Ludovici (middle), both from University of Rome, La Sapienza, and Chris Richardson and John Cornele from Fermilab install re-used electromagnetic calorimeter modules into an element of the SciBooNE experiment.

When SciBooNE collaborators put the neutrino experiment together, they thought more about tightening their belts than setting industry standards. Still, the experiment, cobbled together from used parts and recycled detectors, recently received recognition as a DOE Office of Science Noteworthy Practice and a pollution prevention model.

DOE environmental scientist Sally Arnold congratulated the experiment collaborators for their creativity in building the experiment.

"Among stiff Office of Science competition in the pollution prevention arena, Fermilab continues to shine," Arnold said.

"This award means a lot to us," said project head Rick Tesarek. "It is a big honor for the experiment and for Fermilab."

The SciBooNE experiment measures cross-sections of neutrino interactions. It consists of multiple detector systems, each made almost entirely of reused parts, including a detector previously used in an experiment in Japan. Tesarek estimates that without the efforts of collaboration members, who borrowed and scrounged for parts and materials, the experiment would have cost \$4.5 million. Instead, it cost \$1.2 million.

"What they did was pretty new," said Eric

Announcement

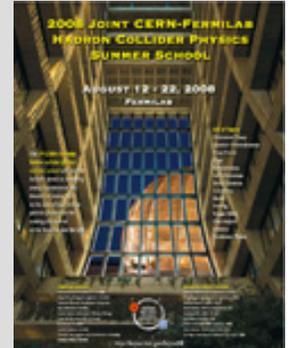
Apply now for HCP Summer School session

The third CERN-Fermilab Hadron Collider Physics Summer School, which will be held at Fermilab August 12-22, 2008, is now accepting applications through Feb. 29.

Applicants should be advanced graduate students or young postdocs with a strong interest in hadron collider physics.

Students accepted to this summer school will attend nine days of lectures to learn about the theoretical and experimental foundations of hadron collider physics. The curriculum will also address special topics, drawn from exciting research results and will include informal discussions.

Both theorists and experimentalists are encouraged to apply. Visit the HCP Summer School [Web site](#) to apply or for more information.



CERN-Fermilab Hadron Collider Physics Summer School registration is open until Feb. 29.

Photo of the Day

Winter wild



AD/Operations employee John Edwards submitted this photo of two deer in the snow. The photo was taken at Fermilab on Jan. 1

Announcements

Friday, Jan. 18

- Cream of wild mushroom
- Portabello mushroom melt
- Southern fried chicken
- Tuna casserole
- Eggplant parmesan panini
- Assorted pizza slices
- Assorted sub sandwich

[Wilson Hall Cafe Menu](#)

Chez Leon**Wednesday, Jan. 23****Lunch**

- Tinga Con tostadas
- Rice & beans
- Pico de gallo
- Pastel de tres leche

Thursday, Jan. 24**Dinner**

- Coquille St. Jacques
- Grilled duck breast w/ lingonberry wine sauce
- Roasted butternut squash
- Wild rice w/raisins
- Chocolate fondue w/fresh fruit

[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

Mieland, Fermilab's recycling coordinator.

"They went to great lengths to make it work differently."

Although Fermilab has previously received awards for best practices in recycling and pollution prevention, none, Mieland said, were for efforts like this.

"They figured out how to do this experiment without spending the money," said Mieland. "We've never seen recycling like this before. It is a great example."

-- *Rhianna Wisniewski*

In the News**The future of physics**

[Scientific American](#)

From *Scientific American*, February 2008

Editor's note: The February issue of Scientific American features a special report on the future of physics. The report focuses on science at the LHC, and includes an article from Fermilab theorist Chris Quigg about the coming revolution of particle physics.

From the special report introduction:

They call it the tera-scale. It is the realm of physics that comes into view when two elementary particles smash together with a combined energy of around a trillion electron volts, or one tera-electron-volt. The machine that will take us to the terascale—the ring-shaped Large Hadron Collider (LHC) at CERN—is now nearing completion.

To ascend through the energy scales from electron volts to the tera-scale is to travel from the familiar world through a series of distinct landscapes: from the domains of chemistry and solid-state electronics (electron volts) to nuclear reactions (millions of electron volts) to the territory that particle physicists have been investigating for the past half a century (billions of electron volts)..

What lies in wait for us at the tera-scale? No one knows.

But radically new phenomena of one kind or another are just about guaranteed to occur. Scientists hope to detect long-sought particles

[Have a safe day!](#)**Weekly Time Sheets due Friday:**

Due to the observance of Martin Luther King Day on Monday, Jan. 21, weekly time sheets are due in Payroll by 10 a.m. on Friday, Jan. 18.

Employee Assistance Program

The January newsletters of the Employee Assistance Program are now available for [employees](#) and [supervisors](#). The newsletters provide tips for the new year and information on the Employee Assistance Program, which is provided by VMC Behavioral Healthcare Services. Brian Malinowski, EAP counselor, is at Fermilab on Wednesdays and Fridays, x3591, brianm@fnal.gov. As an employee, you have 24-hour access to assistance, seven days a week by calling 1-800-843-1327.

Project X physics workshop Jan. 25-26

Fermilab will host a second users' workshop Jan. 25-26 to discuss the physics of Project X. The workshop will focus on the details of the experiments that might be proposed to take advantage of a high-intensity proton source, their physics impact and the development of the overall experimental strategy. Information about the workshop, working groups and ongoing efforts is available [online](#).

New location for International Services

The Visa Office and Assignment Services have joined the User's Office to form International Services. The office has moved to the first floor of Wilson Hall on the west side. The contact information is as follows: Amanda Petersen, x4203; Barb Book, x3111; Melissa Clayton Lang, x3933; and John Galvan, x3811. The mail stop is MS 103, and the fax is x3688.

Pidgin: Secured Onsite Instant Messaging Client course

A course on Pidgin, an instant messaging client supported by the Computing Division, will be offered Feb. 12 and 14. Learn what instant messaging has to offer and how to use Pidgin. [Learn more and enroll](#)

Additional Activities**Classifieds**

New [classified ads](#) have been posted on *Fermilab Today*.

that could help complete our understanding of the nature of matter. More bizarre discoveries, such as signs of additional dimensions, may unfold as well.

[Read more](#)