

Calendar
[**Have a safe day!**](#)
Monday, May 18
2:30 p.m.
[Particle Astrophysics Seminar](#)

- Curia II

 Speaker: Andy Smith, Argonne National Laboratory
 Title: Recent Results from VERITAS (Part 2)

3:30 p.m.
DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

All Experimenters' Meeting

Special Topic:

Tevatron Operational Stability - Curia II

Tuesday, May 19
11:30 a.m.

Traffic Safety Seminar - One West

 Speaker: Nancy Glover, Open Roads Chapter of ABATE
 Title: Motorcycle Awareness

2:30 p.m.

Theoretical Physics Seminar - Curia II

Speaker: Taku Izubuchi, Brookhaven National Laboratory

Title: Isospin Symmetry Breaking Effects in Hadron Masses

3:30 p.m.
DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR AND PHYSICS TECHNOLOGY SEMINAR TODAY

4 p.m.

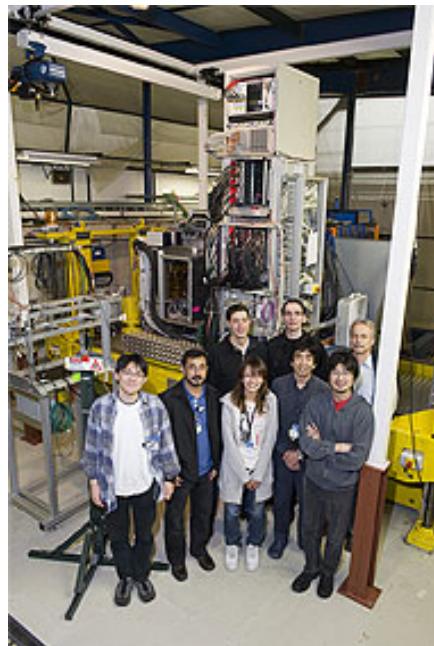
Special Wine and Cheese Seminar - One West

 Observation of Omega_b and

 Measurement of the Properties of Cascade_b and Omega_b at

CDF

Speaker: Pat Lukens, Fermilab

[**Click here for NALCAL,**](#)
Feature
CALICE reaches half-way point in calorimeter testing


Members of the CALICE collaboration stand in front of the particle flow calorimeter at the Meson Test Area. Back row: (left to right) Frank Simon, Nils Feege, Jose Repond. Front row: (left to right) Shunsuke Tozuka, Adil Khan, Miho Nishiyama, Katsuhige Kotera and Satoru Uozumi.

The CALICE collaboration recently entered the final phase of its multi-year program to test hadron calorimeters in the beamline. The calorimeters, devices used to measure the energy of particles, would allow scientists to precisely measure the energy of hadron particles in detectors for the proposed International Linear Collider.

"Testing calorimeters will allow a detailed understanding of the strong and weak points of different calorimetry technology options for use in the ILC," said Marcel Demarteau, a scientist with the Particle Physics Division.

The proposed ILC would use high-precision calorimeters to measure the energy of sprays of particles called jets through a technique called particle flow. Scientists need a highly granular calorimeter to measure the energy of each particle flowing through the calorimeter at the moment of collision.

"These tests lie at the heart of establishing particle flow-based calorimetry for the ILC,"

ES&H Tips of the Week - Health

The defibrillators are coming


Fermilab has started a program of having defibrillators in public areas of the laboratory.

You may have noticed some boxes on the walls of various Fermilab facilities. This is part of an initiative to put defibrillators in public areas of the laboratory as well as near accessible electrical circuits where they have been for some time.

The use of Automatic External Defibrillators (AEDs) can increase survivability by 31 percent, compared to a 6 percent survival rate through use of CPR alone.

Science has established that the heart goes into fibrillation in response to an electric shock resulting in a disorganized quivering of the heart muscle. It's the lack of effective blood flow in this rhythm that kills. This electrical link was first discovered by Danish naturalist Soren Abildgaard, who observed in 1775 that electric current can render chickens lifeless.

It was later discovered that advanced heart disease can induce the same fatal rhythm as electrical shock.

It is estimated that there are 160,000 hospital deaths attributed to ventricular fibrillation annually in the U.S.

Defibrillators were invented as a way to restore the normal rhythm of the heart, and by 2004 and the Food and Drug Administration had allowed the purchase AEDs without a prescription.

[a weekly calendar with links to additional information.](#)

Weather



Sunny
69°/49°

Extended Forecast

Weather at Fermilab

Current Security Status

Second Level 3

Wilson Hall Cafe

Monday, May 18

- *Potato leek soup
- Monte Cristo
- *1/2 roasted chicken
- Alfredo tortellini
- Chicken ranch wrapper
- Assorted sliced pizza
- Szechuan-style pork Lo Mein

*Carb restricted alternative

Wilson Hall Cafe Menu

Chez Leon

Wednesday, May 20

Lunch

- Steak salad w/pomegranate vinaigrette
- Italian cream cake

Thursday, May 21

Dinner

- Radicchio & endive salad w/ roasted pears and gorgonzola
- Peppercorn crusted filet mignon w/ port jus
- Creamy parmesan orzo
- Chive green beans
- Fudgy soufflé cake with a warm turtle sauce

Chez Leon Menu

Call x3524 to make your reservation.

Archives

Demarteau said.

The CALICE collaboration used new technology to build the calorimeters. This task involves the work of more than 30 research institutes and universities around the world.

Particle flow calorimeter testing will end in June. The collaboration will then shift its attention toward testing a new type of calorimeter in the fall.

--Andre Sulluchuco

Photo of the Day

Right place at the right time



A few days a week Fermilab's firefighters strap on all of their gear and run up and down the stairs in Wilson Hall to stay in shape. On Friday, May 15, they were ready to begin their workout when they received a call to the cafeteria. A few of the buffalo burgers, which cafeteria employees were pre-cooking for the Friday evening barbecue in the Users' Center, caught fire on the grill. Firefighters Brian Schopp and Chris Hurst put out the fire. The grill was cleaned and cooking was resumed shortly.



Special Announcement

Modern AED units are extremely safe and use verbal prompts to talk the user through the process of placing the two pads, analysis and shock. The last two steps are automated, so no one should be afraid to use these devices. The unit will not discharge unless the appropriate rhythm is sensed.

Illinois law requires that along with AED placement, likely users of that AED should be trained in CPR. This is merely insuring the best chances of survival. The lab has been offering CPR training for many years.

Federal and state "Good Samaritan" laws protect those using the units appropriately. So back to Abildgard, there is no need for you, a loved one or a coworker to be a chicken.

-- Brian Svazas, MD

Special Announcement

Employee Art Show reception today at 5 p.m.



A reception for "Artist Within," the employee art show, which showcases paintings, photos, carvings, jewelry, quilts, drawings, stained glass, sculpture and more, will take place from 5-7 p.m. today in the Fermilab Art Gallery on the second-floor crossover. The exhibit will run until July 6.

Announcements

Service Announcement

[Computing account requests reach peak season](#)

Latest Announcements

[Film Society looking for new members](#)

[Great news for drivers- motorcycle awareness seminar May 19](#)

[Argentine Tango classes through June 24](#)

[Microsoft Office 2007 help at the Library](#)

[Pool membership drive begins](#)

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[ILC NewsLine](#)

[Info](#)

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is online at:
www.fnal.gov/today/

Send comments and
suggestions to:
today@fnal.gov

Visit the Fermilab
[home page](#)

Walk in a wildflower wonderland Tuesday

Fermi Natural Areas will offer a woodland flower walk on Tuesday, May 19, at noon. Contractor Ryan Campbell, who worked for three summers with prairie restoration pioneer Bob Betz, will guide the tour, which will leave from the Margaret Pearson Trail. Campbell and Roads and Grounds' Bob Lootens will answer questions and explain the history of the spring plants and wildflowers now at their seasonal peak. Wear sturdy outdoor shoes for the grass and dirt path, which may be muddy. For more information, call x3303. More information about [Fermi Natural Areas](#).

In the News

What's the anti-matter with 'Angels & Demons'

From *Beacon News*, May 8, 2009

So there's this secret society, and they want to blow up the Vatican.

Being the brilliant secret society they are, they decide the best way to do this is to break into Europe's premier particle physics lab, CERN in Switzerland, and steal a quarter-gram of anti-matter. Anti-matter, of course, explodes on contact with matter -- and the Vatican, unfortunately, is completely made of matter.

With the fate of millions on the line, the only man who can stop them is Tom Hanks.

That is the plot of "Angels and Demons," opening today on movie screens across the country. And though it promises thrills aplenty, the science in the film isn't quite, in the complex terminology of particle physicists, "correct."

Fermi National Accelerator Laboratory in Batavia has been helping to organize a series of lectures on the matter (and the anti-matter). These events are happening all over the country in the coming weeks, and locally, the lab will host its own lecture on Thursday.

[Read more](#)

[Process piping \(ASME B31.3\) class offered in October](#)

[Come to the Main Ring for Employee Health & Fitness Day May 20](#)

[Computing account requests reach peak season](#)

[Concerned about H1N1? Ask a question](#)

[Winners of the Asian/Pacific Quiz Contest: Week 1](#)

[Asthma & Allergy Awareness Lunch & Learn - May 19](#)

[May is Motorcycle Safety Awareness Month - send us your photos](#)

["Angels & Demons" Lecture Night: The Science Revealed - May 21](#)

[Jobs at Fermilab: Employee Profiles Updated](#)

[Deadline for The University of Chicago Tuition Remission Program - May 22](#)

[NALWO - Brown Bag Lunch - Chinese Pottery - May 26](#)

[Are you Fit to a T? May 27 event](#)

[Nanotechnology Lecture: Crafting of Self-Assembling Materials for Medicine & Energy - Fermilab Arts Series](#)

[Science Adventures for children](#)

[Discounted Rates at Grand Geneva Resort, Lake Geneva, WI](#)

[Summer co-ed volleyball league begins June 1](#)

[Registration for Users' meeting is open](#)

[Conflict Management and Negotiation Skills class - June 3 and 10](#)

[Discount tickets to "1964"...Beatles tribute - June 6](#)

[Accelerated C++ Short Course: registration open - June 8](#)

[Python Training June 17-19](#)

[Susan Werner - singer/songwriter Performs on Arts Series](#)

[SciTech summer camps](#)

[Intermediate/Advanced Python Programming July 22-24](#)

[Additional Activities](#)

[Submit an announcement](#)