

## Calendar

**Fri., Aug. 3**

**3:30 - 6:30 p.m.**

Labwide party - Atrium  
THERE WILL BE NO JOINT  
EXPERIMENTAL-  
THEORETICAL PHYSICS  
SEMINAR THIS WEEK

**Sat., Aug 4**

**8:00 p.m.**

Fermilab Arts Series concert -  
Wood's Tea Company  
Tickets: \$16, \$8 for ages 18  
and under

**Mon., Aug. 6**

PARTICLE ASTROPHYSICS  
SEMINARS WILL RESUME IN  
THE FALL

**3:30 p.m.**

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

**4:00 p.m.**

All Experimenters' Meeting -  
Curia II

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

## Weather



**Sunny 93°/71°**

## Extended Forecast

### Weather at Fermilab

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

**Friday, Aug. 3**

- Cream of wild mushroom
- Blackened fish filet sandwich
- Southern fried chicken
- Tuna casserole
- Eggplant parmesan panini
- Assorted pizza slices
- Assorted sub sandwich

[Wilson Hall Cafe Menu](#)

## Special Announcement

### Power Outage Monday

A site-wide power outage will take place on Monday morning from 7:00-7:30 a.m. when the shutdown begins. Except for the Village and the Main Injector, the entire site will be without power. Please switch off computers and other equipment sensitive to power surges. During the 10-week shutdown period, there will be localized, planned power outages. A schedule of these outages can be found [here](#).

## Feature

### Fermilab day camp a success among enthusiastic campers



Fermilab campers hold still for a photo

If you thought only the physics at Fermilab was high-energy, think again.

Kids at Fermilab Day Camp have plenty of energy of their own. The scene outside the Kuhn Barn on a recent weekday afternoon looked like a human scatter plot: 45 campers, ages 7-12, ran circles around busy counselors, chattering away about Harry Potter and jumping eagerly from one activity to the next.

Like campers everywhere, kids at Fermilab Day Camp swim, play games, do arts and crafts and explore the outdoors. Lunchtime always provides an opportunity for lively chatter, where campers talk about everything from their camp adventures to their future career plans: Lidia, 10, inspired by Legally Blonde, is opting out of physics for law; Paulina, 7, will be an author; and Taylor, 8, plans on making it big as a fashion designer.

## Special Announcement

### Labwide party today, 3:30 p.m.

To celebrate our international community and its achievements, all employees, users, contractors and DOE employees are invited to the labwide party, beginning today at 3:30 p.m. in the atrium. Because of preparations for the labwide party, the Fermilab cafeteria will close today at 1 p.m. It will open again on Saturday morning. The Users Center will stay closed today until 6:30 p.m.

There will be two raffles at the labwide party. To enter the drawings, please drop a card into the drum located outside One West upon your arrival. Drawings will be held at 4:30 p.m. and 5:30 p.m., and winners must be present.

## From ILC Newsline

### Building Understanding



Shirakata (centre) talking with visitors.

Every month, a lot of Asian researchers come to KEK to conduct their research or experiments. "We have had 45 visitors for fiscal year 2007 so far, including ten Korean researchers," says Tomiko Shirakata, secretary at KEK's Linear Collider Project Office. Shirakata is in charge of KEK's visitors programme activities and provides all visitor supports such as arranging logistics, dealing with the consulate service for visa applications, and giving tips on how to spend days off in Japan. KEK launched the visitor programme in April 2006 aiming to facilitate the foreign researchers' activities in Japan, especially for Asian researchers and students, who may have difficulties to conduct research overseas for some country-specific reasons.

[Read more](#)

**Chez Leon****Wednesday, August 8  
Lunch**

- Salmon w/Shallot Sauce -  
Pine Nut & Lemon Orzo -  
Chocolate Cake w/  
Strawberries & Ice Cream

**Thursday, August 9  
Dinner**

Closed

[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/](http://www.fnal.gov/today/)

Send comments and  
suggestions to:  
[today@fnal.gov](mailto:today@fnal.gov)

Another topic of conversation was the recent end-of-camp celebration for parents and campers, which included talent shows, contests, games and the ever-popular parent-camper dodgeball game, known as Pirate's Prison. This year's game marked a milestone in day camp history: the first time ever that the parents won against the kids.

"It was only because there were more dads," said Lidia. "They really get into the game." Paulina had a different theory: "We let them win," she said.

There are three three-week sessions for which campers are chosen annually by a lottery drawing in early spring. The camp began in 1986 with 20 children and today accepts 45 campers. Registration for next summer will take place in February.

-- *Lauren Younis*



Campers take a break during a hot, sunny day.

**In the News****From Science**

**Aug. 3, 2007:**

**Seeing Through Dark Matter**

The universe appears to be dominated by invisible components that astronomers call dark matter and dark energy. The astronomical evidence implicating dark matter has been apparent for a generation (1): The rotational speeds of objects in extragalactic systems exceed what can be explained by the visible mass of stars and gas. This discrepancy has led to the inference that there is more mass than meets the eye. However, this inference requires that Newton's law of gravitational force be extrapolated well beyond where it was established. In addition, laboratory searches for dark matter have yet

-- *Rika Takahashi*

**Feature****Retirement Planning**

Have you received correspondence or telephone calls from investment firms offering to assist you with your retirement planning? The Benefits Office reminds employees that organizations unrelated to your Fermilab retirement plans are not sanctioned by Fermilab and are rendering their services as a private organization.

The Fermilab 401(a) Retirement Plan is administered by TIAA CREF. Representatives from TIAA CREF are available to review your retirement account and provide information regarding your Fermilab Retirement Plan.

The Fermilab Supplemental 403(b) Retirement Plan allows you the choice of four organizations to manage your investments: TIAA CREF, Fidelity, Dreyfus and T Rowe Price. Each of these organizations can assist you with questions regarding your retirement account.

Retirement planning is an important topic and there are many organizations to choose from to assist you with this process. While the financial services organizations outside of the Fermilab plans may provide valuable information and offer additional retirement planning investments and tools, their services have not been reviewed or retained by Fermilab.

If you have questions or concerns about the Fermilab retirement plans, please contact the Fermilab Benefits Office at x4361.

**Announcements****Voluntary Supplemental Life Insurance:  
Enrollment period ends Friday**

Supplemental Life Insurance Enrollment packets have been sent to the mail stations of all employees eligible for supplemental life insurance coverage. Enrollment materials are also available on the [Benefits Office website](#). The premium holiday has ended and new rates, effective September 1, will be charged for all supplemental life insurance coverage. Please take the opportunity to review your current coverage and make any necessary changes by the end of the enrollment period on August 3. Contact the Benefits Office if you have questions or need assistance completing your enrollment.

to bear fruit. This lack of corroboration, combined with the increasing complexity and "preposterous" nature of a once simple and elegant cosmology, leads one to wonder if perhaps instead gravity is to blame.

[Read More](#)

#### In the News

### From PhysOrg.com

**Aug. 2, 2007:**

#### Clearing Electron Clouds

*Clouds might be welcome during a drought, but you definitely don't want them in your beam pipes. Researchers around the world are working out how to keep a section of the proposed International Linear Collider—the positron damping ring—clear of electron clouds.*

In curved sections of accelerators, such as a damping ring, the beam throws off synchrotron radiation that plows into the beam pipe walls, kicking up electrons embedded in the wall. The newly freed electrons get pulled along with the next bunch of positrons in the beam, but then some hit the wall, freeing so-called secondary electrons. Soon a cloud of electrons clogs up the beam pipe.

[Read More](#)

### Shakespeare in the Park Saturday

If you're looking for something to do this weekend, head out to see Bruce Worthel of the Accelerator Division play Egeus in Shakespeare's "Midsummer Night's Dream." You can see the play for free on Saturday, August 4, at 7 p.m. in Phillips Park, Aurora.

### Wisconsin Dells Discount Book

The final day to purchase the Wisconsin Dells Coupon book is August 17. Books are still available in the Recreation Office and the discounts are good until April 1, 2008. The cost of the book is \$20.

### Classifieds

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

### [Additional Activities](#)