

## Calendar

[Have a safe day!](#)**Monday, July 6**

PARTICLE  
ASTROPHYSICS  
SEMINARS WILL RESUME  
IN THE FALL

**3:30 p.m.**

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

**4 p.m.**

All Experimenters' Meeting -  
Curia II

Special Topics: Airfly  
Measurement in the Meson  
Test Beam; CMS Pixel  
Telescope in the Meson  
Test Beam; CMS/LHC

**Tuesday, July 7****10:30 a.m.**

Research Techniques  
Seminar - Curia II  
Speaker: Maurice Garcia-  
Sciveres, Lawrence  
Berkeley National  
Laboratory  
Title: ATLAS Upgrades for  
High Luminosity

**Noon**

Summer Lecture Series -  
Curia II

Speaker: Juan Estrada,  
Fermilab

Title: Astrophysics and  
Dark Energy

**3:30 p.m.**

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO  
ACCELERATOR PHYSICS  
AND TECHNOLOGY  
SEMINAR TODAY

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

Campaigns

## Feature

**Brewing a better brainstorm**

Young scientists and researchers take a break to talk with their colleagues during the DZero collaboration meeting in June. A brainstorming session involving graduate students and post-docs took place as part of the meeting.

Take a batch of young DZero scientists, subtract professors and deadlines, stir in a little fun, and you could generate some bright ideas for optimizing the experiment. That was the vision of Brendan Casey, a DZero collaborator at Fermilab.

So last month, during the DZero collaboration's meeting at Fermilab, he gathered a group of graduate students and postdocs for a spirited brainstorming session.

"The most frequent feedback I've received is that the session was too short," Casey said. "That's encouraging. It means people believe this is a valuable way to think."

Casey was inspired by his experience in the Strategic Laboratory Leadership Program at the University of Chicago's Booth School of Business. During a customized executive education seminar on fostering creativity, participants shared ideas in carefully planned brainstorm activities. Casey, captivated by the energy and effectiveness of the exercises, decided to bring the experience home to colleagues still early in their careers.

Brainstorming is just one of the tactics participants learn in the SLLP program.

ES&H Tips of the Week -  
Environment**Working toward a sustainable cafeteria**

Recyclable, reusable cups are now available in the Fermilab cafeteria.

Your morning cup of Joe may help you get through the day, but it could also help you to save money and the Earth.

Fermilab's cafeteria is working to minimize waste, and you can help. New recyclable and biodegradable water cups are now available near the water dispenser. These clear cups are made from corn, a 100 percent renewable resource, and are completely biodegradable – natural microorganisms can break down the cups.

The cafeteria is making other efforts to reduce waste. Environmental officers at the ES&H fair handed out cups and reminded people about the importance of reusing. The cafeteria staff is hoping employees will use these cups. Using reusable cups will reduce waste and save money: 5 cents is taken off the price of a 12-ounce drink, 10 cents off a 16-ounce, 15 cents off a 24-ounce, and 25 cents off a 32-ounce hot or cold beverage.

In the long run, reusing cups has the potential to greatly decrease waste and our carbon footprint by decreasing the amount of energy needed to transport waste off site.

Take these steps to reduce your carbon

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## Weather



**Sunny**  
81°/65°

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

## Current Security Status

### [Secou Level 3](#)

## Wilson Hall Cafe

### Monday, July 6

- Spicy beef & rice soup
- Corned beef reuben
- Honey Dijon glazed pork loin
- Spaghetti w/meatballs
- Chicken Oriental wrap pineapple
- Assorted sliced pizza
- Pacific Rim rice bowl

### [Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, July 8 Lunch

- Almond chicken salad
- Turtle cheesecake

### Thursday, July 9 Dinner

- Closed

### [Chez Leon Menu](#)

Call x3524 to make your reservation.

## Archives

### [Fermilab Today](#)

### [Result of the Week](#)

### [Safety Tip of the Week](#)

### [User University Profiles](#)

Over eight intense days, spread over several months, 25 participants from Fermilab and Argonne National Laboratory study leadership, innovation and strategic planning. They complete a final project in mixed-laboratory teams and present their product to both laboratory directors. Participants can also opt into a separate, week-long course through Booth's executive education program. So far, three classes of Fermilab and Argonne scientists have completed the SLLP curriculum, which was developed by representatives from both laboratories and the University of Chicago beginning in 2006.

"When we see that participants are implementing the lessons they've learned here, that's a success," said Michelle Terry, director of Operations and Education Programs for the Office of the Vice President for Research and National Laboratories at the University of Chicago. In addition to stirring ideas, she said, the program strengthens ties among the three institutions.

Casey echoed the praise. Everyone wants to think outside the box, he said, "but you have to actively pry open the box. That's what this program teaches you to do."

-- Rachel Carr

## Fermilab Press Release

### Data-taking dress rehearsal proves world's largest computing grid is ready for LHC restart



The Worldwide Computing Grid allows fast data transfer between CERN and the US CMS Tier 1 computing center, making remote operations possible. CMS employees work in the Remote Operations Center at Fermilab.

The world's largest computing grid has passed its most comprehensive tests to date in anticipation of the restart of the world's most powerful particle accelerator, the Large Hadron Collider (LHC). The successful dress rehearsal proves that the

Take these steps to reduce your carbon footprint, save money and help the laboratory become a more environmentally-friendly place:

**Reduce consumption** – Bring your own cup or mug.

**Reuse** – Bring a reusable plastic or glass bottle or a mug from home or reuse the cup you grabbed from the cafeteria.

**Recycle** – New recyclable water cups are now available. You can also recycle metal cans and plastic bottles by placing them in the blue recycling bins in the cafeteria.

Remember, every little bit helps. For more information on recycling at home, check out this [Web site](#).

-- Lisa Reger

### [Safety Tip of the Week Archive](#)

## Photos of the Day

### Almost lunch



CD's Wayne Baisley captured this series of photos of a hawk attacking and trying to dine on a snake near the walkway between Main Ring Road and Wilson Hall's east parking lot. The snake got away.



## [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)

Visit the Fermilab [home page](#)

Worldwide LHC Computing Grid (WLCG) is ready to analyze and manage real data from the massive machine. The United States is a vital partner in the development and operation of the WLCG, with 15 universities and three U.S. Department of Energy (DOE) national laboratories from 11 states contributing to the project.

The full-scale test, collectively called the Scale Test of the Experimental Program 2009 (STEP09), demonstrates the ability of the WLCG to efficiently navigate data collected from the LHC's intense collisions at CERN, in Geneva, Switzerland, all the way through a multi-layered management process that culminates at laboratories and universities around the world. When the LHC resumes operations this fall, the WLCG will handle more than 15 million gigabytes of data every year.

[Read more](#)

### In the News

## Mass mismatch makes mystery for proton's strange cousin

From *Science News*, July 1, 2009

*Omega-b-minus is caught in action for a second time, but its mass doesn't match previous results.*

A heavy, strange cousin of the proton has been seen a second time, but it seems to have lost a little weight. The omega-b-minus, also called the omega-sub-b baryon, is a three-quark particle related to protons and neutrons. It has been observed at the Collider Detector at the Fermi National Accelerator Laboratory in Illinois, scientists announced in a paper submitted to Physical Review D and available online at arxiv.org. But CDF's measurement of the particle's mass is significantly lower than a previous measurement, leaving researchers wondering what caused the discrepancy.

"One or both of the measurements are missing the mark," says CDF physicist Pat Lukens, a coauthor of the paper.

DZero, CDF's sister detector, had observed the omega-b-minus in fall 2008 using the same proton accelerator, the Tevatron, at Fermilab. Although CDF's recent mass measurement of 6.054 billion electronvolts agrees better with the



### Announcements

#### Latest Announcements

[Raging Waves Waterpark online discount ticket program](#)

[The University of Chicago Tuition Remission Program Aug. 17 deadline](#)

[Fermilab Barnstormers](#)

[Scrapbooking Open House - July 13](#)

[Adult swim lessons and water aerobics offered at pool - July 13](#)

[On-site housing-fall 2009/spring 2010](#)

[Discount for SciTech summer camps today](#)

[Argentine Tango classes through July 22](#)

[Artist Within - pick up artwork July 7 from 8 a.m. to noon](#)

[Free Webinar on car buying, July 8](#)

[Time to complete accomplishment reports](#)

[Arrowhead golf league hole-in-one](#)

[Bristol Renaissance Faire discount tickets](#)

[Six Flags Great America discount tickets](#)

[Pool memberships available in the Recreation Department](#)

[Interaction Management and Performance Review courses scheduled for summer 2009](#)

[Introduction to LabVIEW - July 8 and Dec. 8](#)

[MATLAB software tools 75 percent off for Fermilab - July 15](#)

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

expected mass for an omega-b-minus particle than DZero's measurement of 6.165 billion electronvolts, the mismatch in the results is disconcerting, the researchers say.

[Read more](#)

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[Outlook 2007: New Features class Aug. 6](#)

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

[Additional Activities](#)

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[Submit an announcement](#)

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