

## Calendar

Monday, Feb. 9  
2:30 p.m.

### [Particle Astrophysics Seminar](#)

- Curia II  
Speaker: Cyril Pitrou,  
University of Oslo  
Title: The Non-Linear Evolution  
of the Cosmic Microwave  
Background

3:30 p.m.  
DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
4 p.m.

All Experimenters' Meeting -  
Curia II  
Special Topics: Chamonix LHC  
Workshop, CDF Luminosity  
Studies

Tuesday, Feb. 10  
3:30 p.m.

DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
4 p.m.  
Fermilab Colloquium - One  
West

Speaker: Sean Carroll,  
California Institute of  
Technology  
Title: The Origin of the  
Universe and the Arrow of  
Time

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

## Weather



Chance of  
thunderstorms  
60°/45°

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

Current Security  
Status

[Secon Level 3](#)

[Wilson Hall Cafe](#)

## CERN press release

### CERN to set goals for first LHC physics

At the conclusion of a workshop held in Chamonix this week, recommendations have been made to the CERN management for the restart schedule of the Large Hadron Collider (LHC). If accepted in a management meeting on Monday, these recommendations will ensure that the LHC starts to produce physics data in late 2009, running through the winter and on to autumn 2010 at an energy of 5 TeV per beam and ensuring sufficient data for the experiments to produce their first new physics results.

"These recommendations represent the best way forward for the LHC and for the field of particle physics in general," said Steve Myers, CERN's Director for Accelerators and Chair of the Chamonix workshop.

Among the topics discussed in Chamonix was the underlying cause of the incident that brought the LHC to a standstill on 19 September last year.

The incident was traced to a faulty electrical connection between segments of the LHC's superconducting cable. Since the incident, enormous progress has been made in developing techniques to detect any small anomaly.

These will be used in order to get a complete picture of the resistance in the splices of all magnets installed in the machine. This will allow improved early warning of any additional suspicious splices during operation.

The early warning systems will be in place and fully tested before restarting the LHC.

[Read more](#)

## Announcement

## ES&H Tips of the Week - Safety

### Lead use requires extra care



Ken Sievert of AD's electrical engineering support department safely uses lead solder on a circuit board for a Booster correction power supply.

**Editor's note** - Each ES&H Tip of the Week will include an icon representing that week's topic in the section headline.

Working with lead offers the advantages of malleability, density and resistance to corrosion, but requires extra safety precautions.

At Fermilab, the greatest quantities of lead reside in shielding and target material used as part of experiments. Lead also serves as solder to hold parts together and as an ingredient in some older paints.

The laboratory stresses safe handling of lead materials because of its toxicity. Short-term, high-level exposure can result in symptoms resembling the flu. Long-term exposure can injure the nervous, urinary and reproductive systems. Unsafe lead exposure is an important source of occupational illness and the leading cause of environmental illness in children.

Your goal in handling lead at Fermilab and at home should be to limit contact.

To limit inhalation, control the amount released into the air. Avoid mechanical destruction of lead-containing materials by grinding, cutting, sanding or drilling. Keep soldering temperatures below 800 degrees fahrenheit, the temperature at which significant amounts of lead fumes can form in the air.

Tuesday, Feb. 9

- Minestrone
- Patty melt
- Baked chicken enchiladas
- Herbed pot roast
- Chicken melt
- Assorted sliced pizza
- Szechwan green bean w/ chicken

[Wilson Hall Cafe Menu](#)

**Chez Leon**

Wednesday, Feb. 11

Lunch

- Raspberry chicken
- Spaghetti squash w/ green onions
- Steamed green beans
- Mocha cake

Thursday, Feb. 12

Valentine's Dinner

- Shrimp cocktail
- Chateaubriand with cabernet sauvignon sauce
- Crispy potato torte
- Green bean & blue cheese gratin
- White chocolate-raspberry
- Crème brulee

[Chez Leon Menu](#)

Call x3524 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)

## Implementing integrated quality assurance memo

All employees should have received a memo from Director Pier Oddone on Friday.

Employees who are off site, or those who did not receive the memo, can access it [here](#).

**Announcement**

## New Wilson Hall dosimetry badge drop box



A new dosimetry badge drop box is now available in Wilson Hall to return dosimetry badges. The new drop box (pictured at left) is located on the ground floor of Wilson Hall next to the ATM machine.

**In the News**

## Energy secretary promises to move quickly to spend stimulus funds

From *Wall Street Journal*, Feb. 6, 2009

Energy Secretary Steven Chu said Friday that he wants half of the roughly \$35 billion to \$40 billion proposed for Energy Department programs in the economic-stimulus package to be spent within a year.

Mr. Chu said he is prepared to overhaul the way the agency operates to quickly direct the money to projects on weatherization, energy efficiency and support for renewable energy.

"We've got to do this, and we've got to do it in a way that has not been done at the Department of Energy," Mr. Chu said. "I think this is solvable. And not only solvable -- we've got to do it. Otherwise it's just going to be a bust."

[Read more](#)

**In the News**

Limit ingestion of lead by keeping hands clean and keeping food and drink out of areas where work with lead occurs. Waste lead, such as soldering splatters, should be collected and disposed of in accordance with your division and section guidelines. Make sure to clean lead work areas at the end of each day using a wet item such as dampened disposable wipes. Wash your hands before leaving the lead work area.

-- Tim Miller, ES&H associate head

**Accelerator Update**

Feb. 4-6

- Three stores provided ~19 hours of luminosity
- Two Tevatron quenches
- RF problems in Linac and Booster

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements**

[Have a safe day!](#)

[Discount tickets: Disney On Ice Presents Worlds of Fantasy](#)

[Daycamp information and registration](#)

[2009 standard mileage reimbursement rate](#)

[Muscle Toning Classes](#)

[Outlook 2007 New Features classes scheduled Feb. 26](#)

[Nominations requested for job profiles](#)

[Bulgarian Dance Workshop, Feb. 12](#)

[Barn Dance Feb. 15](#)

[Kyuki Do Classes - Feb. 16](#)

[Facilitating Meetings That Work class offered Feb. 16](#)

[Fermilab Blood Drive Feb. 17 & 18](#)

[Argentine Tango Classes begin Feb. 18](#)

[NALWO - Mardi Gras Potluck Dinner -](#)

## Mequon company helps smash subatomic particles

From *Milwaukee Journal Sentinel*,  
Feb. 6, 2009

John DeFord has a red-blooded American boy's dream job:

He helps people get things going really fast so they can smash them and watch what happens.

In a bland suburban office building shared with an accountant, a lawyer and a psychic adviser, DeFord maintains a remote outpost in the quest to understand the most fundamental forces and structure of nature.

His small company, Simulation Technology and Applied Research Inc., works with physicists and engineers at the country's leading particle accelerators - massive complexes designed to hurl bits of atoms through tubes at 600 million mph or so, then ram them into a target and break them into even tinier pieces.

The idea is to find out what the universe is really made of.

[Read more](#)

[Feb. 20](#)

[Discount Tickets: World's Toughest Rodeo Presents Toughest Cowboy - Feb. 21](#)

[NALWO - Brown Bag Lunch Program - "Australia: Travels in the Land Down Under" - Feb. 24](#)

[English Country Dancing, March 1](#)

[NALWO - Adler Planetarium Trip - March 21](#)

[Child Care program offered - March 24](#)

[Conflict Management & Negotiation Skills class offered Apr. 1](#)

[Interpersonal Communication Skills class being offered Apr. 8](#)

[Additional Activities](#)

[Submit an announcement](#)