

## Calendar

Monday, Dec. 15

2:30 p.m.

[Particle Astrophysics Seminar](#)

- Curia II

Speaker: Adrienne Erickcek,  
California Institute of  
Technology

Title: Structure Beyond the  
Horizon: Inflationary Origins of  
the Cosmic Power Asymmetry

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

All Experimenters' Meeting -

Curia II

Special Topic: First Beam  
Down the Muon Test Area  
Line; CDMS Cryogenic System  
Upgrades

Tuesday, Dec. 16

2:30 p.m.

[Special Particle Astrophysics  
Seminar](#) - Curia II (NOTE  
DATE)

Speaker: Lotty Ackerman,  
California Institute of  
Technology

Title: Dark Matter and Dark  
Radiation

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

[Accelerator Physics and  
Technology Seminar](#) - One

West

Speaker: Robyn Madrak,  
Fermilab

Title: Two Devices for HINS

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

## Weather

## Feature

### Computer recycling program earns top marks nationally



Fermilab started a PC Center four years ago to redistribute used computer components to other departments. In FY08, 480 Computing Division computers were redistributed to the Accelerator Division.

During the last fiscal year, Fermilab more than doubled the amount of used electronics disposed of in three categories: donations to schools, sales to recyclers and reuse on site.

That increase between FY07 and FY08 of nearly 400 percent helped Fermilab earn the federal Electronics Reuse and Recycling Campaign award.

On hand at the White House Dec. 16 to receive the award will be Fermilab employees Eric Mieland, environmental management systems coordinator; Jack Kelly, manager of the Property and Inventory Control Department; Bruce Chrisman, chief operating officer and DOE employees Joanna Livengood, Fermilab site office manager; and Sally Arnold, environmental scientist.

Across the country 124 federal facilities competed for the award. Fermilab previously received similar accolades, but this marks the first time the laboratory has won the three-year-old ERRC award.

"Everyone at the lab should be proud of this recognition, which results from the involvement and environmental consciousness of all staff and users," Chrisman said.

Fermilab's seven-year-old computer recycling program got a boost in the last few years from the Computing Division's switch to farms of

## Safety Tip of the Week

### Compact fluorescent lights



When a compact fluorescent light bulb fails, it may cause a popping sound, odor, smoke and a darkening or charring of the plastic base. Unlike incandescent lights, this is normal and not a fire hazard. Image from the [Ontario Canada Electrical Safety Authority](#).

You can help the environment, and save yourself money at the same time. And it takes little effort, just use compact fluorescent light bulbs, or CFLs.

The bulbs use as little as one-fourth the electricity, and last up to ten times longer than incandescent bulbs. Although they have a greater initial purchase cost, a typical CFL can save you \$30 in electrical bills over its lifetime.

Still, CFLs are not always the best choice. Efficiency and life expectancy can suffer with frequent on-off cycling and overheating. Further, CFLs take time to reach full intensity, and most are unsuitable for dimmers or electronic timers.

To get the best value from your CFL follow these tips:

- Look for the UL label when purchasing. This is the mark of the nationally recognized, non-profit safety testing agency.
- Follow the manufacturer's instructions.
- Use CFLs in increments of 15 minutes or more.
- CFLs perform best in open areas that allow ample airflow. They are not recommended for closets, stairways, sealed light fixtures, bare bulbs hanging from ceilings, photocells, recessed fixtures or in sub-freezing temperatures.

Because CFLs contain a small amount of mercury (~5 mg), which is toxic, you should recycle them, and take special considerations if they break. Check the [CFL FAQ](#) on the


 Partly cloudy  
15°/7°

[Extended Forecast](#)  
[Weather at Fermilab](#)
[Current Security Status](#)
[Secou Level 3](#)
[Wilson Hall Cafe](#)

Monday, Dec. 15

- Spicy beef & rice soup
- Corned beef reuben
- Honey dijon glazed pork loin
- Vegetable lasagna
- Chicken oriental wrap
- pineapple
- Assorted sliced pizza
- Pacific Rim rice bowl

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

Wednesday, Dec. 17

Lunch

- Tortellini with shrimp, red peppers, green onions and pine nuts
- Spinach & pomegranate salad
- Peppermint cheesecake

Thursday, Dec. 18

Dinner

- Spinach & strawberry salad
- Lobster tail
- Spaghetti squash w/ green onions
- Green bean almandine
- Crème de menthe mousse w/ Christmas cookies

[Chez Leon Menu](#)

Call x3524 to make your reservation.

[Archives](#)

personal computers rather than mainframe-type systems. Improved access for schools to used computers also helped.

The computer farms have added to the amount of components sold to industrial recyclers and held down laboratory purchasing costs through a reuse program.

In FY08, the Computing Division recycled 480 computers from these farms to use in upgrades in the Accelerator Division.

An online marketing system that lets schools order computer parts from across the country has resulted in requests for Fermilab computers rising from almost nothing to a request for 142 components in FY08.

Computer parts now end up as far away as Texas, although nearby schools, including those in Chicago and both Aurora high schools, take the majority.

"I don't see recycling in any of these three areas decreasing because we are going to keep buying more computers for scientific uses," Kelly said.

"Fermilab has been a leader in pollution prevention activities for many years," Livengood said. "It is exciting to see the laboratory being recognized with one of the national federal electronics stewardship awards."

-- *Tona Kunz*

In the News

## Bernard Carr: Fifth dimensions, space bubbles and other facets of the multiverse

From *The Independent*, Dec. 11, 2008

The word "universe" literally means everything that exists. But the history of astronomy might be regarded as a sequence of steps by which the universe has seemed to get bigger. So what we mean by "everything" has changed.

Nowadays most cosmologists accept the Big Bang theory – that the universe started in a state of great compression around 14 billion years ago. This means that the furthest we can see is the distance that light has travelled since the Big Bang. This defines the size of the "observable" universe – but the universe itself could extend much further than this.

Energy Star Web site for proper cleanup and disposal procedures.

Accelerator Update

Dec. 10-12

- Three stores provide ~39 hours of luminosity
- Pbar sets new stacking record
- Booster quad problem

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

[Have a safe day!](#)

[Science Chicago hosts Mythbusters](#)

[IRS Final 403\(b\) Regulations](#)

[NALWO - A Russian Style New Year](#)

[Holiday Pay Dates](#)

[Fermilab Blood Drive Dec. 16, 17](#)

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

[Weekly Time Sheets are due Dec. 18](#)

[International Folk Dancing Holiday Party Dec. 18](#)

[Monthly Leave Sheets due Dec. 19](#)

[Shop early - Lederman Science Center store open until Dec. 20](#)

[Barn Dance Dec. 21](#)

[Weekly Time Sheets are due Dec. 22](#)

[SciTech winter camps, Dec. 22-23 and 29-30](#)

[Find carpool partners with PACE](#)

[Python Programming - Jan. 6 - 8](#)

[Intermediate / Advanced Python Programming - Jan. 27 - 29](#)

[Additional Activities](#)

[Submit an announcement](#)

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**Info**

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