

## Calendar

Tuesday, Dec. 2  
2:30 p.m.

### [Particle Astrophysics Seminar](#)

- Curia II (NOTE DATE)  
Speaker: Stefan Hild,  
University of Birmingham, UK  
Title: Hunting Gravitational  
Waves: Status and Future  
3:30 p.m.  
DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO  
ACCELERATOR PHYSICS  
AND TECHNOLOGY  
SEMINAR TODAY

Wednesday, Dec 3  
3:30 p.m.

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

### [Fermilab Colloquium](#) - One West

Speaker: Bruce Winstein,  
University of Chicago  
Title: CMB Polarization, the  
QUIET Experiment, and an  
Inside View of Gravity Wave  
Searches in the CMB

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

## Weather

 Breezy  
32°/30°

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

## Current Security Status

## [Secon Level 3](#)

## Wilson Hall Cafe

## Feature

### Fermilab community embraces recycling program



[Seymour Green](#) (above) is Fermilab's recycling mascot.

Fermilab's latest recycling venture looks set to continue the tradition of award-winning environmentalism.

In its first year involving a majority of the laboratory site, the glass, plastic and metal recycling program has increased steadily.

From January to October, the amount of recycled material in the program rose from 2,000 to 5,000 pounds a month. Although by weight that is less than the 250,000 pounds of paper and card board or the more than 200,000 pounds of electronic recyclables collected annually, it amounts to a significant portion of the less common glass, plastic and metal waste. As the program ages and grows, officials expect to have a better handle on the percentage of waste diverted from landfills.

"I think the lab has done a really good job," said Eric Mieland, Fermilab's recycling coordinator. "Where this type of recycling is available, it has been embraced. People were ready to do it. People are willing to do it."

The program started two years ago in the Village and was expanded this year to encompass 80 percent of the laboratory. Next year, officials plan to include the remaining 20 percent, which is scattered throughout the site in buildings with more diverse waste issues.

The program encompasses recycling from office cubicles, work buildings, Village housing and recreation areas. The program

## Director's Corner

### Budget season

It is the season that never ends. It is most intense, however, around this time of year when all the divisions and sections present their programs using budget guidance that I provide for the current fiscal year. The guidance is in turn the result of multiple interactions with DOE



[Pier Oddone](#)

throughout the previous year. Divisions and sections analyze what they can do and what they cannot do with the proposed level of resources. This analysis provides the basis for final adjustments in the allocation of resources to each division and section.

This year is particularly difficult because there is a huge gap between the level of resources we presently have under the continuing resolution and the level in the proposed FY09 budget. There is some danger that we will get stuck at the CR level for the full year. Hopefully this will not be the case, since both houses have marked the FY09 proposed budget favorably. In the meantime, until there is a budget approved by Congress, we have to plan our life in a multiplicity of scenarios that span a gap of over \$60M between the two extremes.

Even before all the budget presentations are done, it is clear that the whole laboratory is laboring under enormous stress. We have a great program that we could accomplish under the FY09 proposed budget. Under the CR, however, we do not have enough resources to do everything. We try to make progress on all fronts, choosing carefully where we move full steam ahead and where we must move at a slower pace, keeping our options open. Many parts of our program will receive priority and will be carried out fully. The Tevatron and neutrino programs for example must be maintained as the principal sources of physics data in the world for the next year. We have to deliver fully on programs like the LHC and ILC where we have promised to deliver against specific national budget allocations. Similarly for funded construction projects like MINERvA, NOvA and DES. What does give way in these circumstances is the speed with which we can

Tuesday, Dec. 2

- Tomato bisque
- Lemon pepper club
- Beef fajitas
- Korean garlic chicken
- Grilled chicken Caesar wrap
- Assorted sliced pizza
- Rio Grande taco salad

[Wilson Hall Cafe Menu](#)

**Chez Leon**

Wednesday, Dec. 3

- Lunch
- Rouladen
  - Buttered dill egg noodles
  - Glazed baby carrots
  - German chocolate cake

Thursday, Dec. 4

- Dinner
- Coquilles Saint Jacques
  - Duck breast
  - Nutted wild rice
  - Julienne of peppers
  - Apple walnut cake w/ calvados cream

[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)

encompasses all the non-paper items that you would recycle at home through your municipal curbside recycling.

Fermilab launched the program as part of its good-neighbor efforts rather than to save money. It costs the laboratory about as much to collect and recycle the material as it would to dispose of it as non-recyclable trash. But the program has an added nonmonetary benefit, Mieland said.

"We are diverting the material from the landfill," he added. "We are being good stewards of the environment."

Officials hope to see the same success with the [battery recycling program](#) started last year. A report on that program will become available next November.

-- Tona Kunz

**In the News**

## Friendly rivalry

From *Nature* (editorial),  
Nov. 27, 2008

*The spirit of collaboration in the race to define the LHC's successor sets an example for large projects.*

The future for high-energy physics is decidedly mixed. On the one hand, physicists are eagerly awaiting the insights into the Universe promised by the Large Hadron Collider (LHC) at CERN, the European particle-physics laboratory near Geneva. But as governments shift their priorities to societal problems, such as climate change, energy, health and the environment, the field as a whole must also face up to the fact that it will be increasingly difficult to secure funds for pure science.

Given this financial uncertainty, it is important that the high-energy physics community does all it can to reduce any internal divisions and to strengthen its external coherence. That is why a new collaboration over what should come after the LHC is to be greeted with enthusiasm. As a new world-class accelerator requires a decade or more of technology development and coalition-building, physicists are already laying their plans. But until the LHC starts providing data, there will be uncertainty over the energy levels at which its successor should operate. So two competing concepts, backed by rival efforts, have been put forward.

move on future projects like Project X, the beamline to DUSEL, MicroBooNE or the mu2e experiment. Clearly these projects are crucial to the future of the laboratory. We have to keep as much momentum as possible developing them during the next few months until the budget situation is resolved.

**Announcement**

## Wanted: safety messages

Fermilab seeks new messages about 7 to 10 words long for the safety signs at the site entrances. Messages with a physics twist are especially welcome. Please send your submissions to [Tim Miller](#), ES&H. The authors of messages selected for future safety signs will receive prizes. For examples of past messages, read this [Fermilab Today](#) article.

**Accelerator Update**

Nov. 24 - Dec. 1

- Nine stores provided ~143 hours of luminosity
- Store 6593 sets new record with a luminosity of 344.8E30
- I - Source brought online
- Network storm requires many system reboots
- Booster vacuum problems fixed
- Booster GMPS problems
- CHL cold box lost

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements**

[Have a safe day!](#)

[Annual Enrollment through Dec. 10](#)

[Annual enrollment carrier meetings Dec. 4, 9](#)

[Fidelity representative at Fermilab Dec. 3](#)

[Education Office Holiday Sale, Dec. 3 & 4](#)

[International Folk Dancing, Dec. 4](#)

[NALWO - Winter Holiday Tea, Dec. 5](#)

[Fermilab Film "My Left Foot", Dec. 5 at 8 p.m.](#)

[Carols for Dancing - A Renaissance](#)

On one side is the International Linear Collider, which would use electron–positron collisions to pick up where the proton–proton collisions of the LHC leave off (see Nature 451, 108; 2008). The ILC planners are setting their sights on comparatively low energies — about 500 gigaelectronvolts per beam — a goal that could be achieved fairly easily with technology that is now maturing. The United States, seeking a return to pre-eminence at the high-energy frontier, has been a driving political force for hosting the ILC.

[Read more](#)

[Christmas at Fermilab, Dec. 6](#)

[FileMaker Pro 8.0 - Dec. 10](#)

[NALWO - Christkindlmarket Chicago, Dec. 13](#)

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

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

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

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

[Submit an announcement](#)

[Additional Activities](#)