

## Calendar

**Monday, Nov. 26**  
2:30 p.m.

### [Particle Astrophysics Seminar](#)

- Curia II  
Speaker: A. Silvestri, Syracuse University/Cornell University/  
Case Western Reserve University

Title: Scale-Dependent Growth of Structures in Viable f(R) Theories

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

**4 p.m.**  
All Experimenters' Meeting  
Special Topic: Status of the CMS Forward Pixel Detector

**Tuesday, Nov. 27**  
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.

## Weather



Rain/snow showers  
37°/24°

## [Extended Forecast](#)

## [Weather at Fermilab](#)

## Current Security Status

## [Secon Level 3](#)

## Wilson Hall Cafe

**Monday, Nov. 26**  
- Not available

## [Wilson Hall Cafe Menu](#)

## Chez Leon

## Feature

### Amanda Petersen to oversee Users' and Visa Offices



[Amanda Petersen will oversee both the Users' Office and Visa Office.](#)

Amanda Petersen knows the obstacles and sticking points that immigrants have to navigate when they come to the United States. Not only has she practiced U.S. immigration law for the past eight years, but she also is an immigrant herself. In her new job as International Services Supervisor, she will give support to Fermilab's visiting scientists and foreign employees as she oversees the Users' Office and Visa Office. She also will help Fermilab employees relocating on temporary expatriate assignments.

Petersen was born in Edinburgh, Scotland, and moved to Canada at the age of three. After receiving her law degree from the University of British Columbia, she moved to the United States in 1994. "I moved to the U.S. thinking I would get a job, explore America, see more of the country and stay for two years," she said. "Then I met my husband." Petersen has lived in the United States ever since.

Petersen has a background in corporate law and did not intend to become an immigration lawyer. But then she joined the international law firm, Baker & McKenzie, in Dallas, TX. The immigration counsel happened to leave when she arrived, so her supervisor handed her a book on immigration her first day on the job. She continued practicing immigration law when she opened her own practice in 1999.

Petersen said that immigration law is one of the few areas of law where one can make a positive difference and get to know a diverse group of people. "Everyone comes from different cultures and experiences," she said.

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## Safety Tip of the Week

### Make a dent in vehicle safety



[Pickup trucks are often too tall to allow drivers to see bollards, pictured below.](#)

During the past five years, Fermilab's Security Department has investigated 249 vehicle accidents. Most were relatively minor, producing limited property damage. However, eight resulted in personnel injuries.

Among these injury accidents were three tree collisions and two rollovers. Not unexpectedly, the more severe incidents were associated with vehicles moving forward at high speeds that probably exceeded posted speed limits at Fermilab. Always maintain an awareness of your speed and lookout for changing road conditions.

There is one thing that stands out in Fermilab's vehicle accident record: backing was involved in 57 percent of the accidents. In nearly all cases, a vehicle backed into a stationary object, such as another vehicle, a post or a large rock. In recent months, the most common target has been portable concrete bollards. These are popular with building managers who need to protect outdoor equipment. They are effective, inexpensive, and easily placed. Unfortunately, these low profile bollards are also hard to see from inside a tall vehicle. The pictures show the height of a typical "Fermilab" bollard in relation to the side of a pick-up truck. Visibility can be improved by attaching a tall traffic cone or bright plastic pylon to the top of the bollard. Drivers are reminded that it is their responsibility to check behind their vehicles before backing. If multiple personnel are present, one can act to guide backing maneuvers.



[Concrete bollards are often used to protect equipment, but can pose safety hazards.](#)

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

## Accelerator Update

**Wednesday, Nov. 28****Lunch**

- Rouladen
- Egg noodles
- Carrots w/dill
- Linzentorte

**Thursday, Nov. 29****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)

"And everyone has an interesting story to share."

Petersen is the author of two books on nonimmigrant, employment-based visas. She also is the mother of three children and the caretaker of a dog, cat, lizard, turtle and fish. Her move to Fermilab allows her to continue to interact with people from diverse backgrounds while being closer to her family. "This is an exciting place to work because, in some small way, I'm contributing to the scientific developments and advancements being made here," she said.

-- *Haley Bridger*

**In the News****Axions not cause of unexpected observation**

From *Physorg.com*, Nov. 20, 2007

Scientists from France have shown that hypothetical axion-like particles cannot explain some unexpected observations in an Italian experiment carried out last year. Ruling out axions will likely subdue some of the renewed interest in axion searches, currently underway at several major institutions.

Researchers Cécile Robilliard et al., with group members from the Université Paul Sabatier Toulouse, the Centre National de la Recherche Scientifique, and École Polytechnique, have published their results in a recent issue of Physical Review Letters. The results invalidate the axion interpretation of the PVLAS optical measurements with a confidence level greater than 99.9 percent.

[Read more](#)

**In the News****Nov. 21, 1905: It was a very good year, if you were Einstein**

From *Wired*, Nov. 21, 2007

1905: The Annalen der Physik (Annals of Physics) publishes Albert Einstein's paper, "Does the Inertia of a Body Depend Upon Its Energy Content?" It is the last in a series known collectively as Einstein's "annus mirabilis," or "extraordinary year," papers. Taken as a whole, they represent his basic theory of relativity and help form the basis of modern physics.

**Nov. 19 - 21**

- Two stores provided 27 hours and 33 minutes of luminosity
- NuMI resumes taking beam
- The TeV, MI, Pbar, and Booster all get study time
- CDF may be allowed an 8-12 hours access on Nov. 23

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements****[Have a safe day!](#)****Benefit enrollment**

Wednesday, Nov. 28, is the final day to review and change your benefits for the 2008 plan year. You will find enrollment materials on the [Benefits Office Web site](#). Representatives from Blue Cross and CIGNA will be available on Wednesday, Nov. 14, from 8 a.m. to noon and Tuesday, Nov. 20, from 1 to 5 p.m. They will be located in the Aquarium Conference Room on the 15th floor of Wilson Hall.

**Seasonal holiday student requests**

Managers who would like to bring back their summer students for holiday seasonal employment can access information and a request form [here](#). Only students who were summer 2007 employees are eligible. Students who were on-call must return as on-call workers.

**Education Office holiday sale Dec. 4-6**

The Education Office will host its annual holiday sale Dec. 4-6, from 11 a.m. to 1:30 p.m., outside One West in Wilson Hall.

**Fermilab Basketball League**

Basketball League play begins on Nov. 29 in the gymnasium at the Recreation Facility. Games are played Thursday evenings beginning at 5 p.m. Contact Ryan Schultz at X6571 or [email](#) if you are interested in participating. Current Recreation Facility membership required.

**Access 2003 course Jan. 15**

Learn how to follow the steps required to properly design a simple database. Create a new database with related tables and much more. [Learn more and enroll](#)

**PowerPoint: Designing Effective Presentations course Jan. 16**

Learn useful PowerPoint methods and techniques to create eye-catching, attention-

Einstein's final [1905 paper](#) (.pdf) solidifies his theory of special relativity ( $E = mc^2$ ), demonstrating that radiation converts mass to energy.

[Read more](#)

grabbing presentations. [Learn more and enroll](#)

### [Additional Activities](#)

#### **Classifieds**

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