

Calendar

Mon., April 23
2:30 p.m.

 Particle Astrophysics Seminar
- Curia II

 Speaker: S. Profumo,
California Institute of
Technology

 Title: Probing Supersymmetric
Baryogenesis: From Electric
Dipole Moments to Neutrino
Telescopes

3:30 p.m.

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

4:00 p.m.

 All Experimenters' Meeting -
Curia II
Special Topics: ILC Beam
Instrumentation; CDMS
Operations and Prospects

Tue., April 24
1:00 p.m.

 Special Particle Astrophysics
Seminar - Curia II

(NOTE DATE and TIME)

 Speaker: A. Pocar, Stanford
Linear Accelerator Center

 Title: The Status of the
Enriched Xenon Observatory
(EXO)

3:30 p.m.

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

4:00 p.m.

 Accelerator Physics and
Technology Seminar - Curia II
(NOTE LOCATION) Speaker:
R. Madrak, Fermilab
Title: A Fast Chopper for the
HINS

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

Weather


Partly Cloudy 70°/46°

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

Special Announcement

SciBooNE moving today: Some roads closed from 12:30-1:00 p.m.

Roads between Road B and Giese Road will be closed today between 12:30 and 1 p.m. while a major component of the SciBooNE detector is moved. View a map of the road closures [here](#).

Feature

Fermilab hosts National Mathematics Advisory Panel



Fermilab Director Pier Oddone gives members of the President's National Math Panel a tour of the 15th floor in Wilson Hall.

Fermilab visitors have a variety of reasons to visit, but inspiration doesn't usually top the list. It was, however, one of the reasons behind the visit of President George W. Bush's [National Mathematics Advisory Panel](#) last Thursday.

The Panel is made up of 20 expert panelists and five ex-officio members whose goal is to determine ways to improve mathematics education. While Fermilab isn't exactly known as a mathematics hub, its connection to the physical sciences and its' strong academic reputation were reasons that Panel Chair Dr. Larry Faulkner chose Fermilab as a meeting site.

"These meetings occur across the country, they are usually geographically consistent, but we also try to use sites that have symbolic power and high academic standards," said Faulkner, who is also a former URA board member.

The panel, which was created in April of 2006,

Safety Tip of the Week

Precautions after treatment with radioactive isotopes



Radiological treatments, such as the use of radioisotopes to scan lungs for a pulmonary embolism, might interfere with your work at Fermilab. *Image courtesy of the Radiopharmaceutical Image Library.*

Medical procedures involving radioactive isotopes are more common these days. If a Fermilab employee receives this type of treatment, some precautions might be necessary when the person returns to work.

In nuclear medicine, radioactive isotopes are administered to a patient via injection, inhalation or swallowing. Based on its chemical properties, the material accumulates in specific body parts. For example, Technetium-99 is used in 80 percent of diagnostic procedures for a variety of organs. Thallium-201 is the isotope of choice to assess coronary artery disease. Idoine-131 allows for the treatment of thyroid cancer and other diseases.

After a radiological procedure, the patient is a low-level radiation source for a few hours or days. This can present problems at the workplace. Fermilab's Radiological Control Manual addresses what you should do. Here are some points to keep in mind.

Here are some points to keep in mind:

- **Contact the Medical Department or Area RSO.** They can provide advice and guidelines.
- **Don't wear a dosimetry badge.** Medical

Current Security Status[Secon Level 3](#)**Wilson Hall Cafe****Monday, April 23**

- French Quarter Gumbo
 - French Dip w/ Horseradish Cream Sauce - Santa Fe Pork Stew
 - Tandori Chicken
 - Turkey Breast on Homemade Fococcia
 - Assorted sliced pizza
 - Sweet n' Sour Chicken with an Egg Roll

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, April 25
Closed****Thursday, April 26
Dinner**

- Coquille St. Jacques
 - Veal piccata
 - Risotto confetti
 - Chocolate fondue w/ dipping fruit

[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/

Send comments and suggestions to:
today@fnal.gov

is scheduled to report its recommendations to President George W. Bush and U.S. Education Secretary Margaret Spellings by February of 2008. The group largely focuses on ways to improve algebra skills, which have been found to correlate with college attendance rates and college graduation rates.

"I think they've already been inspired," Faulkner said about his fellow panelists, halfway through the meeting at Fermilab.

On Thursday evening Fermilab director Pier Oddone gave the panel a tour of the 15th floor, and former director Leon Lederman gave a dinner presentation at Chez Leon. The panelists met at Illinois Math and Science Academy in Aurora (IMSA) on Friday.

--*Rhianna Wisniewski*

Photo of the day**SciBooNE gets ready to move**

A crane lifts the carefully wrapped SciBar detector out of the CDF assembly pit, where the detector was put together in the last few months. The SciBar detector is the second component of the new SciBooNE experiment and will be moved into place on Wednesday. The experiment's first component, the Muon Range Detector, will be lowered into the new SciBooNE building at 2 p.m. this afternoon. Employees can watch the move on a live webcam [here](#).

[Read more](#) about today's move in last Friday's issue of *Fermilab Today*.

radiation should not be part of your occupational radiation record. Until the radiation from your body dissipates, stay out of areas that require a dosimetry badge.

- **Co-workers exposed?** Ask your RSO whether the radioactive material in your body presents an exposure problem for nearby co-workers.
- **Radiation instruments affected?** Ask your RSO about the potential for interference with radiation measurements.
- **No body fluids in trash.** In the hours and days after your nuclear medicine treatment, tissues and napkins containing your body fluids should be disposed of at home. Fermilab's trash is surveyed for radiation before it is picked up, and your trash could cause some confusion.

For more information, read [Article 962](#) of Fermilab's Radiological Control Manual.

[Safety Tip of the Week Archive](#)**Accelerator Update****April 18 - 20**

- Two stores provided 34 hours and 2 minutes of luminosity
- New MTest experiment begins: T967
- Lithium lens power supply trips
- LRF2 requires more work
- TeV store 5358 quenches
- ARF4 fails - ARF3 takes its place

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements**Pine Street entrance closed**

Due to repaving operations, both the inbound and outbound lanes of Fermilab's Pine Street entrance will continue to be closed through Thursday, April 26. Each day the Pine Street entrance will be closed at 6 a.m. and will reopen by 6 p.m. The Wilson Street entrance will be open between 6 a.m. and 6 p.m. The schedule is dependent on the weather.

Pief Panofsky turns 88

Wolfgang K.H. Panofsky, former director of Stanford Linear Accelerator Center, turns 88 on Tuesday. Those interested in sending birthday wishes to Pief can use a Web site set up by SLAC: [click here](#).

Fermilab Friends Membership Drive and Lunchtime Fair next week

Fermilab Friends for Science Education, a non-

In the News

BBC News, April 20, 2007

Dwarf stars emit powerful pulse

A class of "failed" star called a brown dwarf emits beams of radiation that are thousands of times brighter than any released by the Sun.

The brown dwarfs are behaving like an altogether different and exotic cosmic object called a pulsar.

Pulsars are rotating neutron stars that emit a flashing radio signal.

When the rotating beams sweep Earth, astronomers detect the radio pulse, which has been likened to the rotating beacon of a lighthouse.

Pulsars are created when a massive star explodes in a supernova and its core collapses into a rapidly spinning neutron star.

[Read more](#)

profit organization, is hold a membership drive and lunchtime fair on April 23-26 from 11:30 a. m. -1:00 p.m. in the Wilson Hall Atrium. Join other staff members in providing the extra support that helps Fermilab's K-12 education programs thrive.

Events:

Monday: Estimation - Winners get a jar of treats

Tuesday: Crush a walnut -- Try our unique nutcracker, the Walnut Collider

Wednesday: Levitate a train

Thursday: Test your knowledge of Fermilab history

MS Project 2003 class scheduled May 1st and 8th

Learn to create and modify a project plan file that contains tasks, resources, and resource assignments. For more information or to enroll visit the [course web site](#).

Interpersonal Communication Skills

Learn effective communication strategies by assessing your communication style and developing skills for more productive work relationships through the "Interpersonal Communications Skills" course on May 9. For info and enrollment, go to [ICS](#). Visit the [Professional Development web page](#) for more course offerings.

[Upcoming Activities](#)