

Calendar

[Have a safe day!](#)

Monday, Sept. 13
2:30 p.m.

[Particle Astrophysics Seminar](#)

- One West

Speaker: Paolo Gondolo,
University of Utah

Title: Channeling in Dark
Matter Detection

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

All Experimenters' Meeting -
Curia II

Special Topic: CD R&D on
Optical Links for Detector Data
Transmission

Tuesday, Sept. 14

10:30 a.m.

[Research Techniques Seminar](#)

- One West

Speaker: Gustavo Cancelo,
Fermilab

Title: Sub Electron Noise
Readout for Scientific CCDs

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.

[Upcoming conferences](#)

Campaigns

[Take Five](#)

[Tune IT Up](#)

H1N1 Flu

Feature

Improvements to Wilson Hall

John W. Kent, building manager for Wilson Hall, wrote this article.

Various construction and cleaning projects around Wilson Hall are taking place now or will begin soon.

These projects involve improvements or repairs to the building or its surrounding areas. In most cases, barriers are, or will be, set up around the work site to protect pedestrians from possible safety hazards. These barricades are placed for your protection, so please give them a wide berth and do not cross them.



John Kent

Projects include:

- **Indoor window washing:** You can find the window washing schedule [here](#). Please clear all items from in front of windows on days work is scheduled for your floor. Crews will also ask you to step away for a few minutes while windows are being cleaned. Please oblige them.
- **Concrete inspection and repair** to Wilson Hall's west side: Renovations and safety improvements to concrete are underway. Bike racks and motorcycle parking were relocated to the east side of the building. The lower west side entrance to the building has a covered walkway for your protection. The project is scheduled for completion in October.
- **Ramsey south parking lot curb replacement:** Crews are replacing designated curb and related asphalt sections behind Ramsey Auditorium. While this eliminates some parking in the area and creates an inconvenience for pedestrians, the measures and related safety barriers are necessary. The project is scheduled for completion on Sept. 17.
- **Sinkhole repair project:** This week crews will begin repairing a sinkhole at the southeast corner of the building near the

ES&H Tips of the Week - Environment



Fermilab seeks ways to help reduce greenhouse gases



Fermilab is experimenting with sustainable technologies such as this solar panel on site.

The word sustainability seems to be on everyone's lips these days, including at Fermilab.

At a fundamental level, sustainability is what allows something to endure indefinitely throughout time. On a global level, we are learning that creating more and more greenhouse gasses that can radically affect the Earth's climate is potentially unsustainable.

Department of Energy sites have been asked by Secretary of Energy Steven Chu to find ways to sharply reduce the emissions of greenhouse gases. The request stems from a 2009 executive order that directs the federal government and its contractors to adopt more sustainable practices. DOE requires all sites to prepare site sustainability plans by the end of the year. These plans need to include greenhouse gas mitigation. Greenhouse gases include CO₂, methane, some refrigerants and other industrial gasses, such as sulfur hexafluoride (SF₆).

We are responsible for emissions produced on our site and those produced off site for Fermilab. Off-site emissions include those produced by the generation of electrical energy used at the site and by employees traveling on business and commuting.

In 2009, Fermilab accounted for more than 400,000 metric tons of greenhouse gas

For information about H1N1, visit Fermilab's flu information [site](#).

Weather



Sunny
78°/51°

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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Monday, Sept. 13
 - Breakfast: Croissant sandwich
 - French Quarter gumbo soup
 - French dip w/ horseradish cream
 - Santa Fe pork stew
 - Country baked chicken
 - Popcorn shrimp wrap
 - Assorted sliced pizza
 - Sweet and sour chicken w/ egg roll

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Sept. 15
 Lunch
 - Tri-colored tortellini w/ gorgonzola cream
 - Sautéed spinach
 - Raspberry mousse w/cookies

Thursday, Sept. 16
 Dinner
 - Closed

[Chez Leon Menu](#)
 Call x3524 to make your reservation.

Archives

east Ramsey Auditorium entrance. Crews must dig up the area to repair the sump pump discharge that caused the hole. While crews will need to block off part of the area, it will not affect the entrance.

While repair, improvement or cleaning activities can pose a minor inconvenience to you, the signs, barriers and instructions are all there for your protection. Please stay aware of your surroundings and respect the barriers and instructions.

Photo of the Day

Water lilies at sunset



AD's Mike McGee submitted this photo taken near sunset on Sept. 5 overlooking the water lilies in Main Ring Lake.

In the News

Using art to understand particle physics

From *symmetry breaking*, Sept. 10, 2010

Looking around at the Hard Science art exhibit in Chicago, you might be persuaded that someone with a canvas and paint can translate physics laws as effectively as someone with a calculator and a pencil.

Earlier this summer, Chicago's Chuck Przybyl challenged a handful of artists to interpret the principles and practices of particle physics in their favored media. The result was Hard Science, which recently concluded at the Chicago Art Department.

"These ideas are cool – time, space, symmetry," says Teppei Katori, a post-doctoral researcher from MIT who works with Fermilab. "The art doesn't have to be correct, just science-inspired."

Artist Edyta Stepien, who curated the exhibit with Przybyl, hoped to create something that would translate the highly conceptual realm of particle physics in a visually accessible way.

emissions. More than 75 percent of that came from electricity use. Nearly 50,000 metric tons were produced by more than 16 million air miles of business travel.

DOE understands that making substantial cuts in electricity usage cannot take place without a negative impact on the physics mission. Energy-saving measures must come from other areas such as: changing the way we procure energy, increasing energy and water efficiency, reducing waste and building "smarter" buildings.

If you have ideas for how to save energy at the laboratory, or just would like to know more about the Fermilab Sustainability Plan, contact Rod Walton or Eric Mieland.

-- Rod Walton, Fermilab ecologist

Accelerator Update

Sept. 8-10

- Five stores provided ~27.5 hours of luminosity
- NuMI beam off due to helium leak and MI kicker problem
- Proton Source was turned off Friday morning for work on Linac, Booster, MI and NuMI

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

[Fox Valley Robotics info meetings - Sept. 17 & 18](#)

[ReadyTalk Tutorial - Sept. 10](#)

[Silk and Thistle Scottish dancing resumes at the Barn Tuesdays from Sept. 7](#)

[Toastmasters - Sept. 16](#)

[Fermilab International Folk Dancing resumes at the Barn Thursdays from Sept. 9](#)

[Reduced parking behind Ramsey Auditorium - Sept. 7-17](#)

[Argentine Tango, Wednesdays through Sept. 29](#)

[Junior Prairie Rangers - Saturday, Sept. 18](#)

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[CMS Result of the Month](#)

[User University Profiles](#)

[ILC NewsLine](#)

She used pencil and ink to depict her take on the Higgs field and particle, which, she says, are fascinating in that so much of physics theory hangs on them though they haven't been discovered.

[Read more](#)

[Chicago Blackhawks pre-season discount tickets](#)

[Workshop on Accelerator-Driven Sub-Critical Systems & Thorium Utilization](#)

[Regal Movie Theater discount tickets available](#)

[Gizmo Guys - Fermilab Arts Series - Sept. 25](#)

[Family Science Time - Saturday, Sept. 25](#)

Info

Fermilab Today

is online at:

www.fnal.gov/today/

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suggestions to:

today@fnal.gov

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