

## Calendar

### [Have a safe day!](#)

**Tuesday, Sept. 15**  
**3:30 p.m.**  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
 THERE WILL BE NO  
 ACCELERATOR PHYSICS  
 AND TECHNOLOGY  
 SEMINAR TODAY

**Wednesday, Sept. 16**  
**3:30 p.m.**  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
**4 p.m.**  
[Fermilab Colloquium](#) - One  
 West  
 Speaker: Joel Fajans,  
 University of California,  
 Berkeley  
 Title: Antihydrogen Production,  
 Trapping and Antimatter  
 Plasmas

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

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## Weather

 **Partly cloudy**  
**80°/58°**

### [Extended Forecast](#)

### [Weather at Fermilab](#)

## Current Security Status

### [Secon Level 3](#)

## Wilson Hall Cafe

## Feature

### Flamenco, folk music, food mark Hispanic Heritage month



Wendy Clinard, a Flamenco dancer, gives a performance with Las Guittaras de Espana, one of the groups that will perform as part of Fermilab's celebration of Hispanic Heritage Month.

Spain, Mexico and other Hispanic countries are thousands of miles from Batavia, but during the next month, a series of events will bring Hispanic music, dance, art and food to Fermilab.

The events are part of Fermilab's celebration of National Hispanic Heritage Month, which runs from Sept. 15 to Oct. 15, and is sponsored by the Diversity Council.

Activities begin at lunch Wednesday in the atrium with solo guitarist Dave Byron, who plays guitar in Spanish and Flamenco styles. From 11:45 a.m. to 1:30 p.m., his music will complement Mexican and Caribbean cuisine served at the cafeteria.

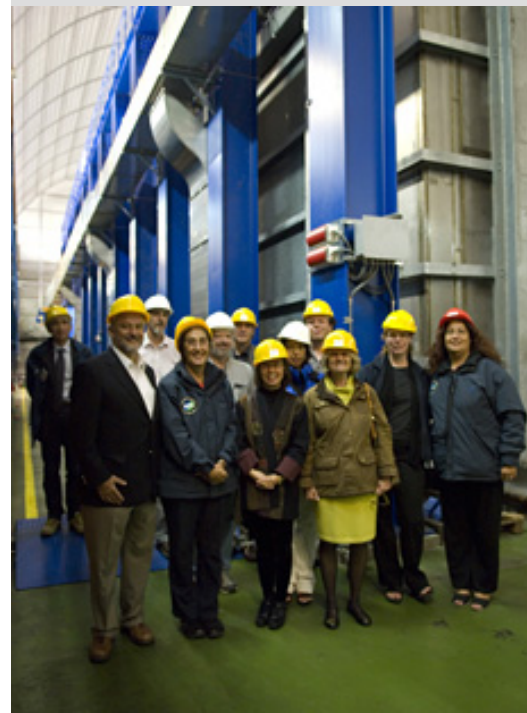
An 8 p.m. performance Saturday will feature Flamenco and Mexican folk music and dance as well as a Puerto Rican musical performance featuring a singer and a nine-piece orchestra. General admission tickets to the performance costs \$22 and tickets for ages 18 and under cost \$11.

A lecture on Spanish and Latin American art is scheduled for next Tuesday at 12:15 p.m. in Curia II with Terah Walkup, a Kress Foundation Fellow. Lecture attendees will receive two free general admission passes to the Art Institute of Chicago.

During lunchtime from 11:45 a.m. to 1:30 p.m. on Sept. 29, members of The Marimba Ensemble will play Mexican and Caribbean music using marimbas, an instrument similar

## Director's Corner

### Gran Sasso-Fermilab meeting



Fermilab visitors with employees and users from Gran Sasso tour the largest underground laboratory in the world.

Last Friday and Saturday a group from Fermilab and our users held a meeting to explore future collaborations with the Gran Sasso National Laboratory and their users. There is much to learn from the experience at Gran Sasso, today the largest underground laboratory in the world, with the most extensive program including very sizeable detectors. The majority of the experiments at Gran Sasso are concentrated on neutrinos (from both accelerator and natural sources) and on dark matter searches, both topics of great interest to our Fermilab program. The meeting coincided with the transition from Gran Sasso Laboratory Director Eugenio Coccia to Lucia Votano, so we had the privilege of having them both at our meeting. The [poster](#) for the meeting came from one of the drawings the children at our daycare centers exchanged following the earthquake in the Gran Sasso area in April.

The laboratory's infrastructure is very impressive, with great attention paid to the safety of underground operations. The horizontal access to the laboratory from a tunnel that goes through the mountain is easy

## Tuesday, Sept. 15

- 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, Sept. 16

### Lunch

- Northern Italian lasagna
- Mixed green salad
- Almond orange cake

## Thursday, Sept. 17

### Dinner

- Beet and Roquefort salad w/ walnuts
- Chilean sea bass w/spicy red pepper sauce
- Lemongrass rice
- Sautéed spinach with garlic & lemon
- Fresh fruit tart

## Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[CMS Result of the Month](#)

[User University Profiles](#)

[ILC NewsLine](#)

## Info

to the xylophone.

A performance by Chilean singer and guitar player Nelson Sosa, scheduled at 11:45 a.m. on Oct. 8 in Ramsey Auditorium, will conclude Fermilab's celebration of Hispanic Heritage Month.

Attendees can sign up to win one of three gift baskets, a cookbook, a CD and other prizes at information booths set up during Hispanic Heritage Month events. The drawing for the raffle will take place after Sosa's Oct. 8 performance.

-- *Chris Knight*

## Photo of the Day

## Fermilab in morning fog



Georgia Schwender, Fermilab's Art Gallery curator, submitted this image of one of Fermilab's pi poles in early morning fog.

## In the News

## Hunting hidden dimensions

From *Science News*, Sept. 26, 2009

*Black holes, giant and tiny, may reveal new realms of space*

In many ways, black holes are science's answer to science fiction. As strange as anything from a novelist's imagination, black holes warp the fabric of spacetime and imprison light and matter in a gravitational death grip. Their bizarre properties make black holes ideal candidates for fictional villainy. But now black holes are up for a different role: heroes helping physicists assess the real-world existence of another science fiction

and uncomplicated. The laboratory supports large detectors such as ICARUS, OPERA and Borexino, but in its present configuration it cannot support the massive detectors needed for future long-baseline neutrino experiments such as the proposed LBNE experiment. Yet the technologies used in Gran Sasso, such as the pioneering work in liquid-argon TPCs used in ICARUS, the radio-purity techniques and low background environments for dark matter searches, and the study of solar neutrinos are directly applicable to our future work.

The laboratory survived the devastating earthquake without damage. The anti-seismic design and the low accelerations experienced deep underground protected the technical installations. This was not the case for the houses of many employees, which were destroyed in the earthquake. Much of the center of the historic and beautiful city of L'Aquila was badly damaged and it is still off limits to the residents and the public. The government and the laboratory have moved aggressively to provide temporary housing and education facilities to families. The government has provided the support and personnel to start the reconstruction of L'Aquila, recruiting many services from all over the country. It was impressive to see the "Vigili del Fuoco" from all the cities of Italy working together in the city center.

Fermilab and Gran Sasso are also collaborating on outreach. During the meeting I participated in a press conference launching a science park near one of the historic sites in the city, "Il Parco del Sole." The "Parco del Sole" will have scientific displays, hands-on demonstrations and a planetarium, and it will be located in a lovely park with impressive views of the surrounding mountains. It will seek international contributions from the laboratories around the world and will certainly contribute to the rebirth of L'Aquila through education and attracting the public to the area and to science.

While at the Gran Sasso laboratory we welcomed the Project X participants in last week's meeting at Fermilab thanks to the miracle of Skype. We now look forward to the workshop on Project X physics on Nov. 9 and 10 and on the Muon Collider physics program on Nov. 10-12.

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)

Visit the Fermilab

[home page](#)

favorite — hidden extra dimensions of space.

Astrophysical giants several times the mass of the sun and midget black holes smaller than a subatomic particle could provide glimpses of an extra-dimensional existence.

Out in space, astrophysicists are looking hard to see if large black holes are shrinking on a time scale that might be detected by modern telescopes. If so, it might mean the black holes are evaporating into extra dimensions.

[Read more](#)



Press conference to announce the launching of "Il Parco del Sole". From left to right: Claudio Mari, head of public relations, Micron; Lucia Votano, director of LNGS; Eugenio Coccia, director emeritus LNGS; Alfredo Moroni, assessore all'ambiente del Comune di l'Aquila; PJO; press officer for the Comune di l'Aquila.

## Shutdown Report

### Sept. 11-14

- Pbar began stacking
- Recycler stashes Antiprotons
- TeV startup progressing
- NuMI and MiniBooNE taking beam
- MI might access on Tuesday

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

### Latest Announcements

[Wilson Hall domestic water service interruption - Sept. 20](#)

[Tai Chi class moves to Thursdays](#)

[Fermi Kyuki-Do martial arts - next session begins on Sept. 21](#)

[Chicago Field Office of Intelligence and Counterintelligence to offer counterintelligence cyber awareness seminar - Sept. 15](#)

[Argentine Tango through Sept. 30](#)

[Bowlers wanted Wednesday nights](#)

[Thai Village restaurant discount](#)

[New Lo Cardio Class - Sept. 14 - Nov. 16](#)

[New Tai Chi For Health class - Sept. 14 - Nov. 16](#)

[URA Visiting Scholars Program now](#)

[accepting applications](#)

[Six Flags Great America discount tickets](#)

[Fermilab Toastmasters can help you find your voice - Sept. 17](#)

[S&T Policy: A View from Washington, D.C. - Sept. 18](#)

[Mosaico Hispanico - celebrating Hispanic music and dance - Sept. 19](#)

[English Country Dancing - Sept. 20](#)

[Sign up for fall Science Adventures classes](#)

[Office 2007 New Features class offered in September](#)

[Buttered Rum performs on Fermilab Arts Series Oct. 24](#)

[Fred Garbo Inflatable Theatre - at Fermilab Arts Series - Nov. 7](#)

[Process piping \(ASME B31.3\) class offered in October and November](#)

["The Night Before Christmas Carol" at Fermilab Arts Series - Dec. 5](#)

[Additional Activities](#)

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[Submit an announcement](#)