

## Calendar

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

Friday, June 26  
8 a.m. - 5 p.m.

#### [DZero collaboration meeting](#)

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

#### [Joint Experimental-Theoretical](#)

[Physics Seminar](#) - One West  
Speaker: Andy Haas, SLAC  
National Accelerator  
Laboratory/Columbia University  
Title: Hunting for Extended  
SUSY and Hidden Valleys at  
DZero

Monday, June 29  
2:30 p.m.

#### [Particle Astrophysics Seminar](#)

- Curia II  
Speakers: Bruce Winstein,  
University of Chicago, Todd  
Gaier, NASA Jet Propulsion  
Laboratory, Hogan Nguyen,  
Fermilab  
Title: The QUIET CMB  
Polarization Analyzer Module  
3:30 p.m.  
DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO ALL  
EXPERIMENTERS' MEETING  
THIS WEEK

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

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## Weather

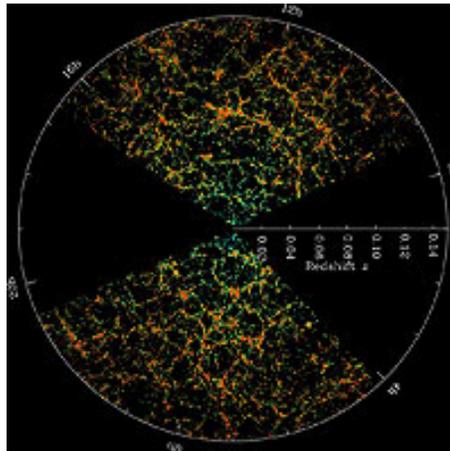
## Special Announcement

### Ask an auditor today

From 10:30 a.m. - noon today in the Auditorium, the Department of Energy auditors who recently conducted the cyber-security portion of the laboratory's Safeguards and Security Audit will present their findings and recommendations. This is an opportunity for system administrators, users and managers to hear firsthand what the auditors have to say about the problems they found in our environment. There will be technical and policy presentations and an opportunity for questions. The [Tune IT Up campaign](#) is underway to address the findings.

## From *symmetrybreaking*

### Sky survey shooting for "three-peat" of scientific success



SDSS galaxy map

Collaborators on the Sloan Digital Sky Survey think they can pull off a "three-peat"—duplicating the success of two earlier sky sweeps.

The survey started in 1998 and made its way into the astronomical journals in 2000. Every year since then, at least one paper about the SDSS has made it in the list of the top 10 astronomy papers of the year.

SDSS-I and SDSS-II have spawned the spin offs Galaxy Zoo and Galaxy Zoo 2, which allowed anyone to classify galaxies from a home computer. More than 200,000 have done just that so far.

The Sloan Web site has gotten more than 467

## Recovery Act Feature

### Crews dig in at NOvA site



A construction crew began clearing and leveling roads at the NOvA site earlier this month.

Construction crews began digging at the future site of the NOvA detector facility in Ash River, Minn., on June 1.

The American Reinvestment and Recovery Act provided funds for the civil construction project.

Fifteen workers from Hoover Construction, a subcontractor of Adolfson & Peterson Construction, have been clearing the top layer of dirt and developing the roads at the site.

"It's pretty much earth work now," said Davin "Buddy" Juusola, senior project manager for Adolfson & Peterson. But once the dirt is cleared, the construction crew will face the Canadian Shield, a mass of 2.7 billion-year-old Precambrian rock that stretches 3 million square miles across Canada and dips into a small northern edge of the U.S.

Crews from Adolfson & Peterson often work with rock, but blasting at the NOvA site will present a unique challenge, said Juusola, who has worked with the construction company for nine years.

The crew will blast down 50 feet to accommodate the NuMI Off-Axis Electron Neutrino Appearance, NOvA, detector facility. The laboratory will house a 15,000-ton particle detector that physicists will use to study a beam of neutrinos originating at Fermilab.

Members of the crew have talked to local residents about the project, Juusola said. "They seem very excited. They're very

 Sunny  
89°/64°

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

Current Security  
Status

[Secon Level 3](#)

Wilson Hall Cafe

Friday, June 26

- Old fashioned ham & bean
- Philly-style chicken
- Chicken pot pie
- Baked fish over rice
- Roasted veggie & provolone panini
- Assorted sliced pizza
- Baked potatoes

[Wilson Hall Cafe menu](#)

Chez Leon

Wednesday, July 1

Lunch

- Pork satay
- Jasmine rice
- Peapods
- Coconut cake w/ caramel sauce

Thursday, July 2

Dinner

- Fresh mozzarella, tomato & basil salad
- Crusted shrimp w/ saffron sauce
- Latin fried rice
- Pineapple upside cake

[Chez Leon menu](#)

Call x3524 to make your reservation.

Archives

million hits since 2001.

The astrophysics experiment has a following worthy of a championship sports team, and collaborators hope to keep the excitement rolling with the survey's third phase started last year.

The most anticipated results from the six-year Sloan Digital Sky Survey-III will be from the Baryon Oscillation Spectroscopic Survey, one of three scientific themes researched by the project's four surveys, says SDSS Director and University of Chicago Professor Richard Kron.

BOSS will map the 3-D distribution of 1.5 million luminous red galaxies, to measure the scale of density fluctuations in the universe, using spectra—an ordered array of the components of radio-frequency waves—collected from fall 2009 to spring 2014.

-- Tia Jones

[Read more](#)

Photo of the Day

## New employees



Bottom row: Kristina Lubinski, Margaret Jezghani, Mike Zucherbrot, Kim Federwitz, Scott Noblitt, Steven Sandquist, Jon Jones, Rachel Carr, Paige Rogers and Kenny Gould. Row two: Alicia Hinkle, Dan Koeller, John Bay, Daniel Chase, Kimberly Secrist, Colin Zagel, Joseph Bernier, Randeep Sra, Jacob Annala, Fan Yang and Raktim Sarma. Row three: Don Friend, Matthew Rickert, Eugene Evans, Danny Smith, Jackie Iacovelli, Daria Haznar, Andrew Gillespie, Addison Merchut, Daniel Crisp, Peter Denton and Scott Dowell. Row four: Halbert Landers, Arron Shiffer, Ajeeta Khatiwada, Nayeli Azucena Rodriguez-Briones, Ninoshka Fernandes, Jennifer Thompson, Lee McCuller, Mehran Mohebbi, Giorgio Bellettini, Benjamin Ray and Blair Johnston

receptive to it.”

The appeal goes beyond an interest in the science. Local supplier Seppi Brothers Concrete Products, based in Virginia, Minn., will provide concrete for the site, and other businesses will likely become involved.

Juusola said this will be his first experience building a laboratory.

“There are not too many neutrino labs built,” he said. “It’s very unique, which makes it exciting. It’s a nice project to have on your resume.”

-- Kathryn Grim



The crew will blast through 50 feet of rock at the NOvA site to accommodate the detector facility.

Special Announcement

## Cyber security resources available on Tune IT Up page

Need more information about computer security? You can find it on the [Tune IT Up resource Web page](#). The new Web page features a how-to tutorial on locking your computer, PowerPoint slides and videos on protecting personal information and basic computer security, and videos on policy information and the dangers of spyware and phishing.

Announcements

[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[User University Profiles](#)[ILC NewsLine](#)**Info**

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is online at:

[www.fnal.gov/today/](http://www.fnal.gov/today/)

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**In the News****USC, Argonne National Lab collaborate on study of ancient artifacts**

From *Lab Manager Magazine*,  
June 25, 2009

USC's first pilgrims to a temple of high-energy physics will be seeking answers to worldly questions about ancient commerce.

Archaeologist Lynn Swartz Dodd of USC College and her students are taking trade artifacts from Egypt to the Argonne National Laboratory's Advanced Photon Source, home of the most powerful X-rays in the country.

The group may be the first from USC to secure precious "beam time" at the celebrated particle accelerator, according to Gene Bickers, vice provost for undergraduate programs. The researchers will spend a week in July at the sprawling complex near Chicago.

By peering past the corroded metal on the artifacts' surfaces and deep into their cores, Dodd and her team hope to discover the makeup and structure of the finds, which range from a series of bronze axes and swords to exquisitely forged miniature bronze-gold figurines of unknown age.

The answers may help tell the story of ancient Mediterranean trading life, which largely revolved around palatial centers.

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