

## Calendar

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

Monday, May 11  
11 a.m.

Academic Lecture Series -  
Curia II

Speaker: Vincenzo Cirigliano,  
Los Alamos National  
Laboratory

Title: Kaons as Laboratories  
for Fundamental Physics:  
Course 2, Lecture 1  
2:30 p.m.

Particle Astrophysics Seminar  
- Curia II

Speaker: Richard Hughes,  
Ohio State University

Title: Searching for Dark  
Matter with Fermi  
3:30 p.m.

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

All Experimenters' Meeting -  
Curia II

Special Topic: Slow Ground  
Motion at Fermilab

Tuesday, May 12  
2:30 p.m.

Special Theoretical Physics  
Seminar - One West (NOTE  
DATE and LOCATION)

Speaker: Simon Catterall,  
Syracuse University

Title: Exact Lattice  
Supersymmetry  
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

## Feature

### Former Fermilab SULI, Teng students win NSF Fellowships



Josiah Walton at the bottom of the instrument cage on the Mayall 4 meter telescope at Kitt Peak National Observatory in Tuscon, Arizona.

As a child, Josiah Walton loved looking at the universe through an amateur telescope. Now, thanks to an NSF grant and a stint at Fermilab he'll get paid to explore its mysteries using some of the latest technology.

Walton and David Yu, former Fermilab interns, were selected as 2009 National Science Foundation Graduate Research Fellows.

Both students said their exposure to high-energy physics at Fermilab was a key factor in getting the fellowship.

"While I was at Fermilab I did work that made me really want to become a high-energy physicist," Walton said.

The program provides \$30,000 toward tuition for three years over a five year period.

Both students gained an understanding of particle physics and the process scientists go through while working at the laboratory.

"I got to work on the forefront of high-energy physics with leaders in their field," Walton said.

Walton worked as a Summer Undergraduate Laboratory Intern with DZero's Surpiya Jain in 2008 to explore new approaches using the Bayesian Neural Network to separate small single top quark signals from large, overlapping backgrounds in order to discover new physics. Jain said Walton was always eager to learn and quick to understand explanations.

Yu, a 2008 Lee Teng Fellow, worked with AD's Tanaji Sen to simulate the fields of a beam of particles in

## ES&H Tips of the Week - Health

### Time to be active



#### [Participate in the ES&H section's fitness program](#)

Fermilab's ES&H Section is kicking off a fitness program that includes a naming contest and prizes for people who continue to exercise track during the next three months.

Aerobic physical activity can reduce the odds of having heart disease, stroke, type 2 diabetes, high blood pressure and high cholesterol. In addition, strengthening exercises can improve muscle and bone strength while making individuals less prone to injury. According to the [U.S. Department of Health & Human Services](#), adults should engage in aerobic exercise at least three days a week and strengthening exercise two days per week. The duration of aerobic activity should be at least 2 1/2 hours per week, of moderate-level activities such as brisk walking, slow biking or gardening. In addition, each exercise period must be at least 10 minutes long. Strengthening exercises should work all the different parts of your body: legs, hips, back, chest, stomach, shoulders and arms. Exercises for each muscle group should be repeated 8 to 12 times per session and can include lifting weights, sit-ups or working with resistance bands.

To help you get started on this type of exercise routine, the ES&H Section is sponsoring a fitness incentive program during the months of June, July and August. People interested in participating should click [here](#) for additional information. ES&H is also holding a naming contest for this program. Please send your suggestions to [esh\\_admin@fnal.gov](mailto:esh_admin@fnal.gov) by 5

 Mostly sunny  
65°/43°

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

[Current Security Status](#)

[Secon Level 3](#)

[Wilson Hall Cafe](#)

Monday, May 11

- Spicy beef & rice soup
- Corned beef reuben
- Honey Dijon glazed pork loin
- Vegetable lasagna
- Chicken oriental wrap
- pineapple
- Assorted sliced pizza
- Pacific Rim rice bowl

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Wednesday, May 13

- Lunch
- Pork braciolo w/ chorizo sausage filling
  - Roasted poblano pepper cream sauce
  - Latin fried rice
  - Coconut cake w/rum caramel sauce

Thursday, May 14

- Dinner
- closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

[Archives](#)

[Fermilab Today](#)

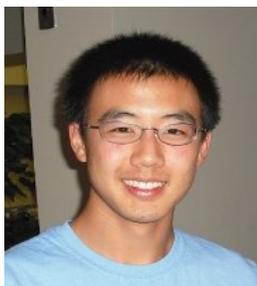
[Result of the Week](#)

[Safety Tip of the Week](#)

[ILC NewsLine](#)

[Info](#)

order to study the use of optical diffraction radiation as a diagnostics tool. Sen said Yu was an excellent student.



David Yu

"My summer at the laboratory helped me define my goals and helped shape my interest in particle physics," Yu said.

Fellows are chosen based on their achievements in science and engineering, and fellows must submit an annual research report to NSF.

"Josiah will definitely do well," Jain said. "He has the perseverance and strength of character to live up to the expectations of the fellowship."

Walton, a University of Arkansas graduate, will study physics at the University of Illinois at Urbana-Champaign. Yu, a University of Chicago graduate, will study physics at the University of California-Berkeley.

-- *Tia Jones*

## Employee artwork due tomorrow

Employees who have entered this year's employee art show must bring their work to the Fermilab Art Gallery between 8 a.m. and noon on Tuesday. The artist reception will take place between 5-7 p.m. on Monday, May 18. All are invited.

## Tornado Seminar 2009

p.m. May 22. ES&H staff will select the winner, who will receive a prize.

-- *Tim Miller, ES&H associate section head*

## Special Announcement

### Intensity Frontier lecture series prepares future researchers

Students and postdocs can learn one of the ways Fermilab could search for new physics through experiments at the Intensity Frontier during a lecture at 11 a.m. today in Curia II.

Vincenzo Cirigliano, of Los Alamos National Laboratory, will give a talk titled Kaons as Laboratories for Fundamental Physics. Subsequent lectures on kaons will occur at 11 a.m. in Curia II May 13 and in One West May 15. The lecture series is part of an effort by Fermilab to expose young researchers to work options on the cutting edge of the Intensity Frontier. Fermilab's proposal for Project X would set the stage for the laboratory to become a leader in the search for new physics beyond the reach of the LHC. The April lecture series on the Intensity Frontier focused on muon research. Physicists are encouraged to remind their students to attend the lectures and to learn about the possible future of Fermilab research. You can find details about the lectures [here](#).

## Accelerator Update

May 6-8

- Three stores provided ~ 31 hours and 30 minutes of luminosity
- Problems with Linac RF station 4
- Problems with Booster RF

[Read the Current Accelerator Update](#)

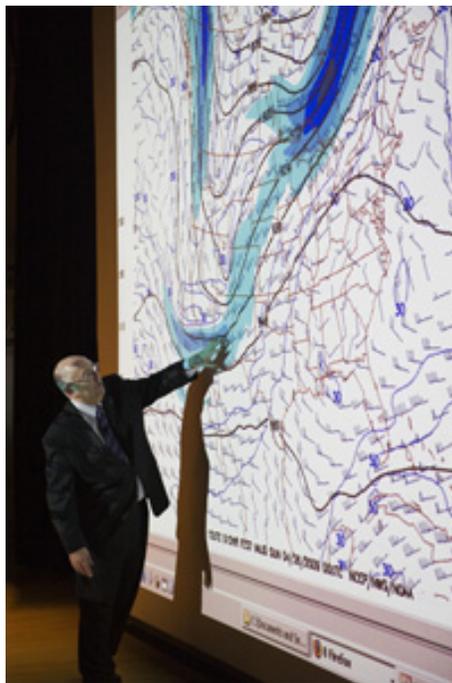
[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

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)



Tom Skilling explains data used to predict severe weather events at the 2009 Tornado Seminar held at Fermilab on Sunday, April 26.

[See more images](#)

#### In the News

### Lab, tollway exit projects brighten economy

From *the Business Ledger*, May 8, 2009

Bright economic news continues to dawn on the horizon of suburban business activity as federal officials send to Fermilab and Argonne lab millions of dollars which will help local economies.

Also, state money has been committed for the Eola Road interchange, which a local official said would provide thousands of jobs, most of which would come after construction is complete.

“At Fermilab, we are committed to put Recovery Act funding to work in the way the nation intends to strengthen our country’s long-term future by investment in basic science and to provide immediate economic help for our local communities and the nation by creating jobs and buying materials and services,” said director Pier Oddone.

In the first installment of funding from the U.S. Department of Energy’s Office of Science under President Obama’s American Recovery and Reinvestment Act, Fermilab will receive \$34.9 million.

The laboratory will use \$25 million for

[Concerned about H1N1? Ask a question](#)

[Vanpool/Transit lunch and learn - May 13](#)

[Argentine Tango classes through May 13](#)

[Rapid Hardware Prototyping and Industrial Control Application development seminar May 13](#)

[Co-ed softball season begins May 13](#)

[French, Greek, and other ethnic dances in John Parrish's workshop, May 14](#)

[Toastmasters demonstration meeting - May 14](#)

["Angels & Demons" Lecture Night: The Science Revealed - May 21](#)

[Deadline for The University of Chicago Tuition Remission Program - May 22](#)

[NALWO - Brown Bag Lunch - Chinese Pottery - May 26](#)

[Are you Fit to a T? May 27](#)

[Nanotechnology Lecture: Crafting of Self-Assembling Materials for Medicine & Energy - Fermilab Arts Series](#)

[Science Adventures for children](#)

[Discounted Rates at Grand Geneva Resort, Lake Geneva, WI](#)

[Summer co-ed volleyball league begins June 1](#)

[Registration for Users' Meeting is open](#)

[Conflict Management and Negotiation Skills class - June 3 and 10](#)

[Discount tickets to "1964"...Beatles tribute - June 6](#)

[Susan Werner - singer/songwriter](#)

construction and improvement projects that will generate engineering and construction jobs in the Illinois businesses and pay for materials and services purchased from companies.

[Read more](#)

[performs on Arts Series](#)

[SciTech summer camps](#)

[Recreation Department announces Club & League Fair drawing winners](#)

[Additional Activities](#)

[Submit an announcement](#)