

## Calendar

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

**Monday, Oct. 19**

**2:30 p.m.**

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

- Dark Side WH-6NW  
 Speaker: Ali Vanderverld,  
 California Institute of  
 Technology  
 Title: Testing General  
 Relativity on Cosmological  
 Scales with Weak Gravitational  
 Lensing

**3:30 p.m.**

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

**4 p.m.**

All Experimenters' Meeting -  
 Curia II  
 Special Topic: Repair of the  
 ArgoNeUT Cryocooler

**Tuesday, Oct. 20**

**12:30 p.m.**

#### [Lunchtime Talk](#) - One West

Speaker: KC Cole, USC  
 Annenberg School of  
 Journalism  
 Title: The Uncle of the Atom  
 Bomb: Frank Oppenheimer  
 and the World He Made Up

**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.

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## Feature

### For adventurous physicists, D. C. holds jobs, speaker says



Clark Cully, a former Fermilab physicist, left in January 2008 for a program at the National Academies of Science in Washington, D.C. He spoke Sept. 30 at a Fermilab symposium.

Federal agencies, think tanks and contractors in Washington, D.C., are eager to fill positions with people grounded in hard sciences, said a former Fermilab physicist at a Sept. 30 symposium.

Clark Cully spent five years as a graduate student searching for heavy W bosons using data collected at CDF, but he left particle physics in 2008 for a career in the capitol.

Cully, who recently took a two-year job as a Presidential Management Fellow for the Department of Defense, encouraged other Fermilab scientists to consider work in Washington, D.C. He said an ability to learn new material and process technical information quickly is a desirable quality in the nation's capitol.

"Physicists are good arguers, we're good strategists, we're really good at jumping into this battle of ideas," Cully said in his talk. "Physicists have that logic to engage in a topic and to find and drive home a core issue."

When he left Fermilab in January 2008 for back-to-back six-month programs at the National Academy of Sciences and the Department of Energy, Cully had his doubts.

"I was a little torn," Cully said. "How could I feel generally as intellectually satisfied in

## ES&H Tips of the Week - Health



### Protect yourself for the flu season



Seasonal flu vaccines are already available but scarce. Health officials expect to provide high-risk individuals with doses of H1N1 vaccine by early next month. *Image courtesy of alvi2047 through the Creative Commons license*

Flu season has just begun, and I encourage you to receive vaccinations against both the seasonal flu and H1N1 to protect yourself for the duration.

H1N1 influenza poses the greatest risk now, but seasonal flu typically peaks in our area in February.

Fermilab's supplier will deliver the laboratory's share of seasonal flu vaccine by early November. Once the shipment arrives, Fermilab will offer employees the opportunity to register to receive the vaccination.

Seasonal flu vaccine has been scarce this year due to increased demand. Three times as many Americans are interested in vaccination against seasonal flu this year compared to last year, according to the Centers for Disease Control and Prevention. In addition, vaccine manufacturers have had their hands full producing H1N1 vaccine.

Fermilab will not vaccinate employees against H1N1. When the vaccine becomes available, local health departments plan to publicize locations offering immunizations. The DuPage County Health Department will publish the information [here](#), and Kane County will publish the information [here](#).

Health officials recommend that people over

## Weather



Mostly sunny, breezy  
62°/47°

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

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

### Monday, Oct. 19

- Croissant sandwich
- Italian minestrone soup
- Patty melt
- Baked chicken enchiladas
- Herb pot roast
- Chicken melt
- Assorted slices of pizza
- Szechwan green beans with chicken

[Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, Oct. 21 Lunch

- Cherry-glazed cornish hens with sourdough cherry stuffing
- Steamed broccoli
- Oatmeal pecan pie

### Thursday, Oct. 22 Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

## Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[CMS Result of the Month](#)

[User University Profiles](#)

[ILC NewsLine](#)

Washington, D.C., as I did when I was trying to solve the mysteries of the world?"

Soon after beginning work, Cully found that satisfaction once he began sorting through complex government problems. Although physicists going to D.C. probably won't use particle physics directly, their knowledge base and thought process will distinguish them from the many lawyers populating the field, Cully said.

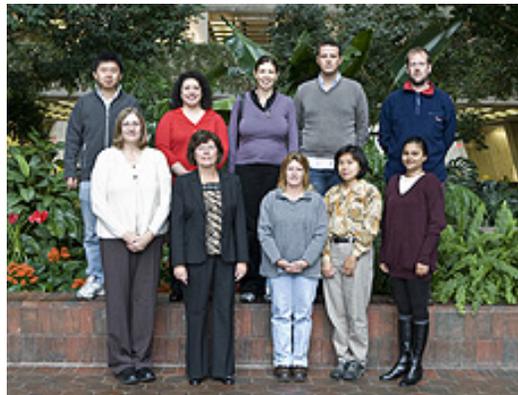
Switching to a career in government service isn't for everyone, Cully said. Those considering a switch should have a broad interest in all areas of science and an ability to communicate with non-scientists, he said, along with a tolerance for unpredictable work and long hours.

Cully recommended programs through the National Academy of Sciences and American Association for the Advancement of Science, and others, such as the Presidential Management Fellows Program and the Nonproliferation Graduate Program.

— *Chris Knight*

## Photo of the Day

## New employees



Front row, from left: Nancy Yackle, BSS; Constance Lang, WDRS; Catherine Sexton, BSS; Chenghwei Liu, WDRS; Nausheen Shah, PPD. Back row, from left: Tingjun Yang, PPD; Julie Saviano, PPD; Paola Squillacioti, PPD; Pierluigi Catastini, PPD; Gerben Stavenga, PPD.

## In the News

65 years old also receive a Pneumovax vaccination to guard against strep pneumonia bacteria, which has been involved in nearly every death involving H1N1 complications.

The H1N1 vaccine is available in three formats: as a nasal spray and as single and multidose injections.

For now the vaccine is available only to emergency personnel and individuals at high risk for H1N1 complications. Government officials expect that vaccinations eventually will be available for all.

Flu activity in Illinois is widespread, but the number of hospitalizations for complications related to H1N1 influenza virus has decreased since this spring. In the past two-week reporting period, 23 patients have been hospitalized in Illinois, down about 67 percent from a peak of 69 hospitalizations over two weeks in April.

Thirty-two cases have been reported at Fermilab since December. If you or a member of your family has flu-like symptoms, please report it to the Fermilab Medical Office at x3232.

— *Brian Svazas, MD*

## Safety Tip of the Week Archive

## Accelerator Update

### Oct 14-16

- Three stores provided approximately 40 hours of luminosity
- Switchyard and MI personnel conducted MI-52 septa studies
- Store 7270 quenched

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

## **Supersymmetry particles - the pot of gold at the end of matter**

From *Medill Reports*, Oct. 14, 2009

About 80 percent of the mass in our Universe is currently invisible to us. It is thought to be made of a mysterious hypothetical substance called dark matter. Scientists here hope to find more clues about it when the world's largest and most powerful particle accelerator, the Large Hadron Collider [LHC] in Switzerland, restarts in late November after nearly a year-long shutdown due to mechanical problems.

"In my opinion, the most exciting theory that could be proved is that of supersymmetry," said physicist Mark Oreglia. "If we can find supersymmetry particles it would explain a number of problems we have in physics, like dark matter." Oreglia is a physicist at the Enrico Fermi Institute of the University of Chicago, and an investigator for ATLAS, one of the four large experiments that will study the subatomic particle collisions at the Swiss accelerator. The experiments partner scientists from around the world.

Should operations go as planned, findings promise a cornucopia of new theories forwarding the knowledge of the scientific community and general understanding of the universe.

Read more [here](#).

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](#)

[Applications of High-Intensity Proton Accelerators workshop - Oct. 19-21](#)

[Frank Oppenheimer and the World He Made Up - Oct. 20](#)

[Access 2007: Intro class - Oct. 20](#)

[Interpersonal Communication Skills - Oct. 21](#)

[Children's Halloween party - Oct. 23](#)

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

[Director's Award nominations accepted until Oct. 26](#)

[Conflict Management and Negotiation Skills - Oct. 28, Nov. 11](#)

[Facilitating Meetings That Work - Nov. 4](#)

[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](#)

[Annual Enrollment now running](#)

[Chicago Bulls discount tickets](#)

[Chicago Blackhawks discount tickets available](#)

[Discount movie tickets available](#)

[Discounted Fright Fest tickets](#)

[Mentors wanted for Diversity Office's FermiLINK program](#)

[Thai Village restaurant discount](#)

[Additional Activities](#)

[Submit an announcement](#)