

## Calendar

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

Tuesday, August 11  
12 p.m.  
Summer Lecture Series - One West  
Speaker: Harrison Prosper, Florida State University  
Title: The Standard Model and Beyond (REPEAT of 6/9/09 Lecture)  
3:30 p.m.  
DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wednesday, August 12  
Noon  
Medical Health Seminar - One West  
Speaker: Sean Rardin, Provena Medical Group  
Title: Health After 50  
3:30 p.m.  
DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over  
THERE WILL BE NO FERMILAB COLLOQUIUM THIS WEEK

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

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## Weather

 Mostly sunny  
81°/58°

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

## Special Announcement

### Rap music seminar at 4 p.m. today, all welcome



Funky49, a rapper from Tampa, Florida, has written a rap about Fermilab. He will perform it today at 4 p.m. in One West.

Fermilab might get a little funky this afternoon. As part of an Office of Communication seminar on the use of rap music in science communication, rapper Funky49, a science rapper from Tampa, Florida, will perform his newly written Fermilab rap in One West at 4 p.m.

Millions of viewers have learned the basics of CERN's Large Hadron Collider on [YouTube from a rap video](#) produced by science writer Katie McAlpine, aka Alpine Kat. Now it's Fermilab's turn.

"I've heard the Fermilab rap and it sounds like something that you'd hear on the radio," said Ben Kilminster, who found Funky49 and asked him to commission a Fermilab rap.

Funky49 will also give a presentation on using rap for science outreach. The rapper produced an album, Rapbassador, to promote Tampa's Museum of Science and Industry. Lyrics to the Fermilab rap are available on the [Rapbassador Web site](#).

"I contacted him and asked if he'd be interested, and he said that he would consider it his patriotic duty," Kilminster said.

Funky49 will spend the week at Fermilab filming a video for his rap. He will also join The Drug Sniffing Dogs, a Fermilab band, for a performance at 7 p.m. at the Users' Center on Friday, August 14.

## Director's Corner

### Turning the LHC back on

The recent announcement by CERN Director Rolf Heuer that the LHC will be ready to take beam again by mid-November is welcome news. The decision to run the LHC at a total center-of-mass energy of 7 TeV for enough time to provide an interesting body of data to the experiments while making sure every aspect of the machine is understood is just the right approach. The energy is high enough to open up important new discovery potential. From everything that we know today, higher energies to 10 TeV will be possible later in the run, once every aspect of the operations is proven. During the last year CERN has done a formidable job of uncovering possible future problems and putting repairs in place to avoid them. We have contributed some of our best Fermilab experts to help with this task.



Pier Oddone

The race for discovery of the Higgs makes good copy in the press. Everybody loves competition. The David vs. Goliath aspect of the Tevatron vs. LHC intrigues reporters and sometimes leads them to the wrong conclusion: that Fermilab somehow benefits when the LHC falters. Perhaps understandably, they don't recognize that the level of cooperation across the globe in our field overwhelms the healthy competition that also characterizes our scientific research. Nobody wins if the largest project in particle physics falters. While the delays in the LHC have increased the pressure to extend the Tevatron running through 2011, the argument to double the presently collected Tevatron data by running through 2011 makes sense independently of the LHC turn-on.

Some of the recent negative publicity in the press is colorful and amusing and is in many ways a challenge to our community. There is, of course, only one effective response to such stories: for us to make the LHC the full success that the world expects. I am confident that we'll do so.

## Current Security Status

[Second Level 3](#)

## Wilson Hall Cafe

Tuesday, August 11

- Chicken & rice soup
- Italian sausage w/peppers & onions
- Smart cuisine: Beef stroganoff
- Smart cuisine: chicken lemon
- Peppered beef
- Assorted sliced pizza
- Chicken tostadas

[Wilson Hall Cafe Menu](#)

## Chez Leon

Wednesday, August 12

- Lunch
- Chicken Enchiladas
  - Mexican Rice
  - Confetti Salad
  - Pineapple Flan

Thursday, August 13

- Dinner
- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

## Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[User University Profiles](#)

[ILC NewsLine](#)

## Info

## Feature

### On TARGET: D'Angelo Cox and Adil Tobaa



TARGET program interns Adil Tobaa and D'Angelo Cox work on creating computer programs.

**Editor's note:** This is the third Q&A in a series on TARGET program students. Tonisha Taylor, a TARGET student working in the Office of Communication, conducted the interviews. A program overview article and an article on the program's influence will appear in upcoming issues of Fermilab Today. View the [first](#) and [second](#) Q&A here.

This fall, D'Angelo Cox will be a freshman at the Illinois Institute of Technology and Adil Tobaa will be a junior at the Islamic Foundation School. During the summer, they were Fermilab summer students, who took part in TARGET, a program that aims to expose teenagers from predominantly underrepresented minority groups to physics and engineering.

Q. What is your job at Fermilab?

D'Angelo Cox: We help create and read different computer programs. There is a binder full of instructions that help create the programs.

Q. What are the programs for?

Adil Tobaa: I am working on a program to display a proton while D'Angelo works on one to display an antiproton. We will combine the programs to simulate two particles colliding.

Q. What do you like best about Fermilab?

DC: I like being around so many professionals. I never really met scientists before, but it is great work with them.

## In the News

### Mayan pyramids and the LHC

From *US/LHC blogs*, Aug. 9, 2009



Ken Bloom, US LHC blogger

Today's *New York Times* features an article on the front page of the Week in Review section by James Glanz, who holds a Ph.D. in physics and is just coming off a stint as the *Times's* Baghdad bureau chief. (Tooting my own horn here, but I met the guy once myself. He's done some great reporting and explanatory journalism

on the physics and engineering behind the collapse of the World Trade Center towers after the 9/11/01 terrorist attacks.) He describes a recent visit to an incomplete Mayan pyramid, which was apparently mysteriously abandoned by its builders, and compares it to the Large Hadron Collider. "As a former physicist, I thought of the Large Hadron Collider, another grandiose structure with cosmic aspirations and earthbound problems that could thwart its ambitions," he writes.

Of course, I must take some exception to his analysis. He suggests that perhaps there could be a draining of effort and enthusiasm from the project due to the current delays and the recently-announced startup beam energy. We haven't seen anything like that take place — all the experimenters are as eager as ever to continue our work and make this project a success, as soon as possible. The scientific arguments for running the LHC remain as compelling as ever. (To his credit, Glanz quotes various sources who express little concern about his suggestions.)

[Read more](#)

## 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)

Visit the Fermilab  
[home page](#)

Q. What do you hope to get out of this experience?

AT: Knowledge. I want to be exposed to all of these different fields of physics and engineering to help me decide which field I want to go into.

Q. What is your favorite science subject?

Both: Physics

Q. If you could make one scientific discovery, what would it be?

DC: I would like to find an efficient alternative-energy source or possibly harness solar energy so that we no longer have to use possibly harmful chemicals for fuel.

AT: A cure for a major disease or I would like to find a way to convert salt water into fresh water.

Q. What do you think of when you hear the word Fermilab?

AT: I think of the diversity at the laboratory. People from all different backgrounds coming together here to try to answer the big question: How did we get here?

## Latest Announcements

[Wilson Hall closed Saturday, Aug. 15](#)

[Newcomers Brown Bag Lunch Aug. 12](#)

[URA Visiting Scholars Program now accepting applications](#)

[Bristol Renaissance Faire discount tickets](#)

[Six Flags Great America discount tickets](#)

[Pool memberships available in the Recreation Department](#)

[Raging Waves Waterpark online discount ticket program](#)

[Yoga Class - August 11 - September 29](#)

[Muscle Toning Class - Aug. 4 - Sept. 28](#)

[Health after 50 seminar](#)

[The University of Chicago Tuition Remission Program Aug. 17 deadline](#)

[Fermilab Blood Drive August 25 and 26](#)

[What's New in NI LabVIEW 2009? Aug. 27](#)

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

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

[Additional Activities](#)

[Submit an announcement](#)