

Calendar

[Have a safe day!](#)

Monday, Sept. 28

2:30 p.m.

[Particle Astrophysics Seminar](#)

- One West

Speaker: Adam Ritz, University of Victoria

Title: Probing Dark Matter Through Dark Forces

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

All Experimenters' Meeting - Curia II

Tuesday, Sept. 29

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

[Accelerator Physics and Technology Seminar](#) - Curia II

(NOTE LOCATION)

Speaker: Chandra Bhat, Fermilab

Title: Large Piwinski Angle Scheme for the LHC Luminosity Upgrade

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

Campaigns

[Take Five](#)

[Tune IT Up](#)

Weather



Partly sunny
64°/45°

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

Feature

Mentors wanted for Diversity Office's FermiLINK program



Navigating the professional landscape can be a challenge. To help employees and users reach their full professional potential, Fermilab's Diversity Office has launched FermiLINK, a mentoring program.

The Diversity Council committee members who created FermiLINK focused on workforce recruitment, retention and development. Those members see the network as a way to address a laboratory-wide call for a mentoring program.

"I think employees will find FermiLINK to be an easy-to-use and valuable online resource," said Sandra Charles, equal opportunity specialist. "It is a great way to navigate the Fermilab work landscape for all classes of employees whether they are new to the laboratory or not."

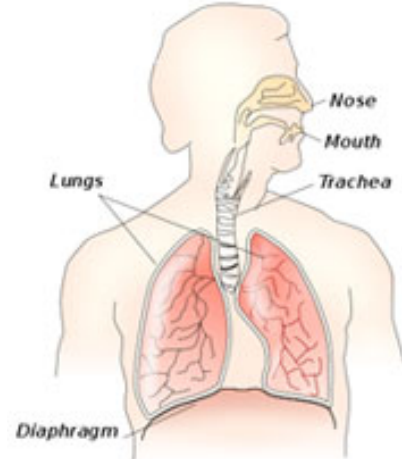
The need for a formal mentoring program at all levels of the laboratory was also identified in the focus group feedback report from the American Physical Society site visit.

FermiLINK will provide mentees opportunities to seek confidential guidance from volunteer mentors regarding organizational, workplace and career issues.

FermiLINK provides Web-based access to a selection of mentors for issue-specific, work-related challenges and opportunities. Mentees and mentors can interact via e-mail, phone or in person. They can meet once or for extended periods of time.

ES&H Tips of the Week - Health

Childhood vaccination for whooping cough wears off



[Respiratory system](#). Image drawn by Theresa Knott, Wikipedia

Whooping cough, caused by bordetella pertussis bacterium, was once thought to be solely a scourge of the young. But recent studies show individuals need a booster shot at least once in adulthood.

The disease causes staccato coughing until the individual runs out of breath and must violently inhale more air, hence the "whoop" sound. The arrival of a vaccine in the 1940s eliminated most of the childhood cases and most people thought the disease was contained. An outbreak among some Illinois refinery workers in 2002 changed that thinking. A Centers for Disease Control investigation of that outbreak revealed that adults appear to lose the immunity gained by childhood vaccinations.

The risk of exposure to the disease is high because an infected person is contagious for up to 21 days before and after exhibiting symptoms. The disease spreads through expelled respiratory droplets. The CDC reports that pertussis affects an estimated 600,000 adults every year. Infectious disease experts estimate that there are likely many unconfirmed, milder cases taking the form of that "cough that just wouldn't go away."

Here at Fermilab, we have had a few confirmed cases, which were made all the more notable by fractured ribs received by the patient as a result of violent coughing often

Current Security Status

To become a mentor, fill out the [form](#) on the [FermiLINK Web page](#).

Secon Level 3**Wilson Hall Cafe**

Monday, Sept. 28
- not available

[Wilson Hall Cafe Menu](#)**Chez Leon**

Wednesday, Sept. 30
Lunch
- Marinated flank steak with mushrooms and pea pods
- Jasmine rice
- Lemon cheesecake

Thursday, Oct. 1
Dinner
- Tomato soup with orange and cumin
- Individual beef croustades with boursin and mushrooms
- Baby Spinach with scallions and lemon
- Chocolate mousse

[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](#)**Info**

FermiLINK will begin accepting mentees after Oct. 27.

Learn more about the FermiLINK program at one of two Q&A sessions:

- Wednesday, Oct. 7, from 11 a.m.-noon in One North
- Tuesday, Oct. 13, from 3-4 p.m. in One West

-- *Rhianna Wisniewski*

From Quantum Diaries**Last shift**

Gavin Hesketh, a blogger for Quantum Diaries.

I'm currently a post-doc with Northeastern University working on DZero, one of the Tevatron experiments. Like many people, I'm trying to find the best time to move to CERN, and for me it's happening later this year. It's a little hard for me to believe that this also marks 10 years since I started my PhD at the University of Manchester. I was not even sure I would be accepted to that program, having just taken 3 years away from study to play in a band (we didn't get very far!). But they obviously they saw something, and I'm still working in physics and enjoying it immensely.

My main interest in physics came at around age 16, with probably a combination of a good teacher and some interests I've had all my life. I've always wanted to understand how things work, a lot of which probably comes from my engineer father, and I loved the power of physics to explain things with just a few ideas and equations. Continuing to study at University was really the only thing I wanted to do, and while there I took a few courses in particle physics. Again, I think a really good lecturer was one of the main things that got me interested in this area. Then after taking

linked to the illness.

The CDC recommends that all adults receive a newly formulated tetanus-diphtheria and acellular-pertussis combination vaccination when their next tetanus booster comes due, which occurs about every 10 years.

During the past year, Fermilab's Medical Office has administered a few hundred doses of this combined vaccine with the worst outcome being a few sore shoulders.

The "acellular" designation in the vaccination prevents the high fevers and allergy reactions once associated with the older vaccine. It was first marketed in the United States in the late 1990s as a pediatric version of the vaccination and became standard for adults in 2005.

So if you're due for a tetanus booster, please contact the Medical Office for the added protection against pertussis.

-- *Brian Svazas, MD*

[Safety Tip of the Week Archive](#)**Shutdown Update**

Sept. 23-25
- Four stores provided ~ 26.5 hours of luminosity
- MI vacuum leak repaired
- MI-52 kicker problems due to humidity
- Store 7206 aborted

[Read the Current Accelerator Update](#)[Read the Early Bird Report](#)[View the Tevatron Luminosity Charts](#)**Announcements**[Computer Security Awareness Day - Sept. 29](#)[Scottish Country Dancing Tuesday evenings in Kuhn Village Barn](#)[Weight Watchers at Work coming soon](#)[International folk dancing, Thursday evenings in Kuhn Village Barn](#)[Special movie screening in Chicago for the Year of Astronomy - Sept 25 - Oct. 1](#)[Argentine Tango through Sept. 30](#)

Fermilab Today
is online at:
www.fnal.gov/today/

Send comments and
suggestions to:
today@fnal.gov

Visit the Fermilab
[home page](#)

some time away to follow my musical
interests, I felt the pull of science again, and
here I am.

[See Hesketh's blog](#)

In the News

Is the Large Hadron Collider worth its massive price tag?

From *Guardian*, Sept. 22, 2009

Scientists at Cern near Geneva are close to turning on their particle accelerator a year after it blew up. In their latest video, physicists hunting the Higgs boson ask what price society is willing to pay to understand the universe

A month or so ago I was sat at a table outside the canteen at Cern, the European nuclear research organisation in Switzerland, nursing an espresso and watching an impromptu volleyball match play out across a giant blue magnet daubed with white paint. The graffiti read: "LH ... C'est pas sorcier". It's not rocket science.

Maybe it's not, but what the scientists are trying to do at Cern is no easier. The underground accelerator, the Large Hadron Collider, is vast and vastly complex. It's almost no surprise it didn't spring to life and start churning out data as soon as they flicked the 'on' switch this time last year.

[Read more](#)

[Submit advance leave agreement form](#)

[ACU presents "Investing in an Uncertain Market" - Oct. 1](#)

[Toastmasters - Oct. 1](#)

[NALWO - Annual Autumn Potluck Luncheon - Oct. 2](#)

[Day of Astronomy in Aurora - Oct. 3](#)

[Prairie Seed Harvest - Oct. 3](#)

[English Country Dancing - Oct. 4](#)

[On-site prescription eyewear technician dates of absence](#)

[Yoga class begins Oct. 6](#)

[Muscle Toning class begins Oct. 6](#)

[Thai Village restaurant discount](#)

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

[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](#)

[Submit an announcement](#)