

Calendar

Friday, Sept. 12
3:30 p.m.

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

4 p.m.
[Joint Experimental-Theoretical
 Physics Seminar](#) - One West

 Speaker: S. Söldner-Rembold,
 University of Manchester
 Title: Double Beta Decay
 Searches with NEMO-3 and
 SuperNEMO

8 p.m.
[Fermilab Lecture Series](#) -

Auditorium

Tickets: \$5

 Speaker: Dr. Victor Baker,
 University of Arizona
 Title: Megafloods

Monday, Sept. 15
9:30 a.m.
[URA Workshop - Curia II
 Beyond the Standard Model:
 from the Tevatron to the LHC](#)
2:30 p.m.
[Particle Astrophysics Seminar](#)

 - One West (NOTE
 LOCATION)

 Speaker: J. Yoo, Fermilab
 Title: The First Axion Search
 Results Using CDMS Detector
 and the Future

3:30 p.m.

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

4 p.m.

 All Experimenters' Meeting -
 Curia II
 Special Topic: First Circulating
 Beam in the LHC

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

Weather

Showers 76°/66°

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

Feature

Partying in pajamas



QuarkNet students, in pjs and home-made nightcaps. *Image courtesy of Anne Heavey.*

To watch and celebrate the start up of the LHC earlier this week, Fermilab staff, scientists, media and local physics enthusiasts gathered at the laboratory for a Pajama Party, an aptly named middle-of-the-night event. While not everyone took the pajama part seriously, there were about 100 people who showed up in their sleepwear.

Fermilab staff captured some photos of pj party attendees in their slumber gear - everything from animal print to the full-footy pajama.

See more Pajama Party photos on the [symmetrybreaking blog](#).



Fermilab Deputy Director Young-Kee Kim poses in her red footy pajamas with Fermilab scientists Joel Butler, Joe Lykken (in silk robe) and Lothar Bauerdick (in full robe and pajamas at right).

From Computer Security

Safety Contest

Vote and win

Today is the last day to vote for your favorite Fermilab safety message.

Vote for your five favorite messages [here](#).

We will enter the names of all people participating in the vote in a drawing for prizes such as Fermilab baseball caps and fleece pullovers. All employees, users and contractors of Fermilab and the DOE Fermi Site Office are invited to participate.

From iSGTW

People behind the LHC grid: Wesley Smith

iSGTW: What do you do?

Wesley Smith: I work at the Compact Muon Solenoid (CMS), where my job is to throw away 99.999 percent of the data we record.

What we're hoping to do is like looking for a needle in a haystack, only with multiple haystacks. I want to remove as much hay as possible, without losing any needles.

iSGTW: How did you become interested in physics?

Wesley Smith: I grew up in San Francisco, where we lived one block away from Mel Schwartz of Stanford University, who won the Nobel Prize in Particle Physics. I knew his son, we went to elementary school together, and our parents spent a lot of time together. It was a connection that stayed almost 40 years, and a powerful influence.

Then when I was in college at Harvard, I studied under Carlo Rubbia (former Director General of CERN, 1989-1994, and Nobel prize-winner in physics) and Larry Sulak.

My first summer job, as a freshman in college, was working at Fermilab's Neutrino Experiment E1A, where I sat in a trailer in a cornfield on hot summer days and looked for neutral-current events in spark chamber film. Basically, we were looking for situations in which a muon comes in, a shower of particles is produced, and no muon comes out. And

Current Security Status[Secon Level 3](#)**Wilson Hall Cafe****Friday, Sept. 12**

- Old fashioned ham & bean
- Philly style chicken
- BBQ ribs
- Smart Cuisine: Baked fish over rice
- Roasted veggie & provolone panini
- Assorted sliced pizza
- Roasted pork loin w/ raspberry sauce

*Carb restricted alternative

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, Sept. 17****Lunch**

- Pork satay w/peanut sauce
- Jasmine rice
- Coconut cake w/ rum caramel sauce

Thursday, Sept. 18**Dinner**

- Spinach & feta in phyllo
- Roasted prime rib
- Herb & garlic potatoes
- Dilled baby carrots & green beans
- White chocolate mousse

[Chez Leon Menu](#)

Call x4598 to make your reservation.

Archives[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info****License to download: Copyright violations***Mark Leininger, Fermilab's computer security manager, wrote this column*

Mark Leininger

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In the News**Reimagining Energy***From Washington Post, Sept. 5, 2008*

Almost 70 years ago, as Germany invaded France, President Franklin D. Roosevelt received an urgent visit from Vannevar Bush, then chairman of the National Advisory Committee on Aeronautics and formerly vice president and dean of engineering at the Massachusetts Institute of Technology.

Bush's message was simple: For America to win the war that was to come, it had no choice but to make aggressive, focused investments in basic science. The case was so compelling that Roosevelt approved it in 10 minutes.

contrary to prediction, we were finding lots and lots of these events—research which hinted at the existence of the Z particle. And then, of course, the bubble chamber neutrino experiment at CERN published this discovery first. It was an extraordinary summer. That was it; I was hooked on particle physics.

[Read more](#)—Dan Drollette, *iSGTW***In the News****Physicists revving world's most powerful smashup***From National Public Radio, Sept. 10, 2008*

Physicists from around the world watched as the world's most powerful particle accelerator, the Large Hadron Collider near Geneva, was tested early Wednesday. One physics lab even hosted a "pajama party."

The \$8 billion project is designed to smash subatomic particles together so that scientists can search through the wreckage for clues about the fundamental building blocks of matter that make up the universe.

Early Wednesday morning, scientists in Europe sent the first beam of protons zipping all the way around the collider's 17-mile loop of tunnel, buried about 300 feet underground. The final countdown was announced in French, and then, almost immediately, there was applause. The protons move at close to the speed of light and took only a fraction of a second to go around.

[Listen](#) to the full interview, featuring Fermilab Director Pier Oddone.

[Listen](#) to an interview by *Chicago Public Radio* about Fermilab's Pajama Party and the LHC with Fermilab Deputy Director Young-Kee Kim.

[Listen](#) to an interview by *Chicago Public Radio* about Fermilab's Pajama Party and the LHC with Fermilab scientist Eric Prebys.

Announcements

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

Send comments and suggestions to:
today@fnal.gov

From radar to the Manhattan Project, the innovations that decision unleashed produced the military tools that won the war.

That same presidential decision launched the enduring partnership between the federal government and research universities, a partnership that has vastly enhanced America's military capabilities and security, initiated many important industries, produced countless medical advances and spawned virtually all of the technologies that account for our modern quality of life.

Today, the United States is tangled in a triple knot: a shaky economy, battered by volatile energy prices; world politics weighed down by issues of energy consumption and security; and mounting evidence of global climate change.

[Read more](#)

[Have a safe day!](#)

U.S. visa application changes

Average wait times for U.S. visas continue to lengthen. Administrative processing for U.S. visas now ranges between 45 to 60 days. The required security clearances for people working in science and technology caused the trend toward longer visa processing. These longer processing times will affect almost all Fermilab employees and foreign users seeking to visit Fermilab. As a result, visa applicants should provide all required paperwork. Check the U.S. Consulate's Web site prior to applying to find required paperwork. Do not rely on past experience - processes change. Notify the Visa Office if your application has been pending for four weeks. Also, employees should contact the Visa Office before making travel plans if you are contemplating applying for a U.S. visa abroad, whether for business or personal reasons. Employees also should advise the Travel Office of your visa application plans during the travel authorization process.

Kids can become Prairie Rangers

Your child can become a junior prairie ranger. Children in fourth and fifth grades can become prairie stewards by joining the Fermilab Junior Prairie Rangers. Rangers will learn about the biodiversity of the prairie and how they can help it thrive. Choose one of the Saturday meetings: Sept. 27 or Oct. 18, 9 a.m. - 2 p.m. Rangers will wear a new ranger cap while harvesting seeds on one of the seed harvest days, Oct. 4 or Nov. 1, 10 a.m. - 1 p.m. Throughout the year, rangers will participate in other prairie activities. More information is available on the [calendar for kids](#).

Classifieds

Find new [classified ads](#) on *Fermilab Today*.

[Additional Activities](#)