

## Calendar

[Have a safe day!](#)

**Tuesday, June 9**

**10:30 a.m.**

[Research Techniques Seminar](#)

- Curia II  
John Cressler, Georgia Institute of Technology Silicon-Germanium as an Enabling Technology for Extreme Environment Electronics

**12:00 p.m.**

Summer Lecture Series - Curia II

Speaker: Harrison Prosper, Florida State University  
Title: The Standard Model and Beyond

**3:30 p.m.**

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.**

[Accelerator Physics and Technology Seminar](#) - One

West

Speaker: Haruo Miyadera, Fermilab

Title: Large Acceptance Approach to Muon Accelerator

**Wednesday, June 10**

**3:30 p.m.**

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.**

[Fermilab Colloquium](#) - One

West

Speaker: Andrea Latina, Fermilab

Title: In conjunction with the Low Emittance Muon Collider Workshop: CLIC Project Overview

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

## Weather

## From Quantum Diaries

### Night Shifts at Fermilab

Fermilab's Meson Test Beam Facility at 2 in the morning.

A break from giving lectures, talks and from attending meetings: Shifts at the CALICE experiment! I'm now at [Fermilab](#) near Chicago, a trip West for a change, after all my trips to Asia this year. Here, our [calorimeter prototypes for the ILC](#) are being tested

in a particle beam, available at the Meson Test Beam Facility MTBF. Typically, we get 12 hours of beam per day, which means that by default we run from 6 am to 6 pm, so that nobody has to pull night shifts. However, for various reasons, such as lost beam time due to accelerator problems, time constraints from scheduled accelerator studies and so on, we've been given extra beam hours for the next few days. Of course, this is great news, since it allows us to actually complete our program in time. However, the bad part is that we are now scheduled to take data from 2 am to 6 pm every day. And I'm on the morning shift, so I started at 1:45 this morning.

The entrance to the experimental area: Safely interlocked, ready for beam!

Considering that Germany is 7 hours ahead of central time, it does not sound so bad. Still, it is surprisingly painful. Getting up in the middle of the night, and going to bed while it is light outside is never really easy... Plus, it totally disrupts the normal daily life... Dinner at 2 pm, beers at 3 pm? Doesn't really feel right... Right now, I'm thinking about lunch... at 6:30 in the morning!

When I arrived at the test beam facility at 1:45, of course after confirming with the accelerator operators that we were really going to get beam at 2 am before getting out of bed, I made sure we were ready to go: The detectors up and running, the experimental area closed and interlocked (otherwise no beam can be delivered for obvious safety reasons).

On the monitor showing the Fermilab Main



Frank Simon, MPI for Physics, blogs for Quantum Diaries.

## Director's Corner

### Goal Zero: Safe and Healthy

When we talk about safety performance at Fermilab, we talk about the number of incidents as a way of measuring our performance. While it is a way to measure, it is odd to claim we had a good performance because we "only" had a given number of injuries. The only number that makes sense when it comes to injuries is zero. Goal Zero means staying healthy and avoiding injuries. Recently we have moved further from zero than in past years.



Pier Oddone

To help us achieve Goal Zero, I am launching a new campaign called "Take Five." It is a method that has proved useful at other institutions and can be of help here at Fermilab. Take Five is a reminder to take your time. Take five minutes before a job to consider how to do it safely; take five seconds to think about what you're going to do before you do it; take five things to reflect on after the job is done. This simple exercise will help all of us avoid the issues that arise when we act too quickly. It also serves as a mechanism for our talented technical staff to provide feedback into work processes and make them better.

Striving for Goal Zero and using Take Five will be especially important during the upcoming shutdown. Many of you will be working in new environments, perhaps for a new supervisor or with unfamiliar colleagues. This is a time when we will be vulnerable to injuries and a time when Take Five can help.

We are all part of the Fermilab team and we succeed or fail together. Please think about Goal Zero and use Take Five during your work here and at home. It will help us achieve our goal of zero injuries during the shutdown and all year long.

## Accelerator Update

 **Partly cloudy**  
71°/53°

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

**Current Security Status**

[Secon Level 3](#)

**Wilson Hall Cafe**

**Tuesday, June 9**

- Creamy turkey vegetable
- Chili dog
- Country fried steak
- Chicken cacciatore
- Italian panini w/provolone
- Assorted sliced pizza
- Super burrito

[Wilson Hall Cafe Menu](#)

**Chez Leon**

**Wednesday, June 10  
Lunch**

- Spicy tilapia w/ pineapple pepper relish
- Basmati rice
- Blueberry custard parfait

**Thursday, June 11  
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**

Injector supercycle, we (MTest) are the first red bump on the left, a 4 second long beam extraction to our experimental area.

And indeed, we got beam promptly at 2, and have been taking data happily since, without any serious complications. The picture on the right shows the one of the first few cycles of the Fermilab accelerator complex today with our experiment included, shown by the longish red bump on the left side of the display. Well, of course there are always some small problems, like our electronic log-book malfunctioning, causing all entries from yesterday to disappear... Resulting in a few moments of panic here, but we were able to recover it, luckily.

The data we've taken so far is looking good, so it seems it was worth the pain. If things continue to go well here I hope I'll be able to post some more details about what we are doing here, and what our data looks like.

Meanwhile, it is light outside, and catching a sunrise is always something I really like doing, even at a high energy physics lab.

[Read more](#)

**In the News**

## Physicist Recognized for Contributions to Discoveries at Relativistic Heavy Ion Collider

From [AZoNano.com](#), June 4, 2009

Distinguished Senior Scientist Nicholas Samios, former Laboratory Director and Director of the RIKEN BNL Research Center at the [U.S. Department of Energy's \(DOE\) Brookhaven National Laboratory](#), has been chosen by the World Federation of Scientists (WFS) as the recipient of the 2009 Gian Carlo Wick Gold Medal Award, which is given annually to a theoretical physicist for outstanding contributions to particle physics. Samios was cited "for his visionary role in the successful construction of the Relativistic Heavy Ion Collider (RHIC), and for his intellectual leadership in a series of remarkable experimental discoveries which established the existence of Quark Gluon Plasma (QGP), a new phase of strongly interacting nuclear matter."

[Read more](#)

**June 5 - June 8**

- Four stores provided ~36.25 hours of luminosity
- Store 7119 aborted due to TeV power supply LCW leak
- Pbar held off for Debuncher power supply LCW leak repair

\*The integrated luminosity for the period from 6/1/09 to 6/8/09 was 45.62 inverse pico barns.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements**

**Latest Announcements**

[DASTOW 2009 set for Wednesday](#)

[Discount for SciTech summer camps - July 6](#)

[Scrapbooking open house](#)

[Winners of the Asian/Pacific quiz contest](#)

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

[New URA e-mail address](#)

[Argentine Tango Classes through June 24](#)

[Python training June 17-19](#)

[Toastmasters meeting June 18](#)

[NALWO "A Summer Evening Potluck Picnic"](#)

[English Country Dancing, June 21](#)

[Donors needed for Fermilab Blood Drive June 23 & 24. Give a pint - Get a quart of Oberweis ice cream](#)

[Microsoft Office 2007 help at the Library](#)

[Environmental Safety and Health Fair - June 29](#)

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

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

[Intermediate/Advanced Python](#)

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