

## Calendar

Tuesday, Feb. 24

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

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

West

Speaker: John Consiglio, The Cooper Union

Title: Using Hardware-in-the-Loop Simulations to Improve EPA Emissions Testing

Wednesday, Feb. 25

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

[Fermilab Colloquium](#) - One

West

Speaker: David Larbalestier, National High Magnetic Field Laboratory and Florida State University

Title: The Superconductors that Magnets Really Want: What Stands in the Way?

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

## Weather



Partly sunny  
37°/28°

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

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

## Feature

### Extreme Beam lectures open door to Intensity Frontier



The first lecture in the Extreme Beam lecture series will take place Thursday at Fermilab.

You've read about the Intensity Frontier in the P5 report, or maybe you've seen it mentioned in *Fermilab Today*.

Now, the Extreme Beam lecture series will explain what the Intensity Frontier is all about.

The lecture series, which will feature talks at Fermilab throughout 2009, will give in-depth information about the science and accelerator and detector technologies that will create a world-leading physics program at the Intensity Frontier.

The first lecture of the series takes place at 4 p.m. on Thursday, Feb. 26, in One West. Junji Hisano, from the University of Tokyo's Institute for Cosmic Ray Research, will give a talk titled "Charged Lepton Flavor Violation."

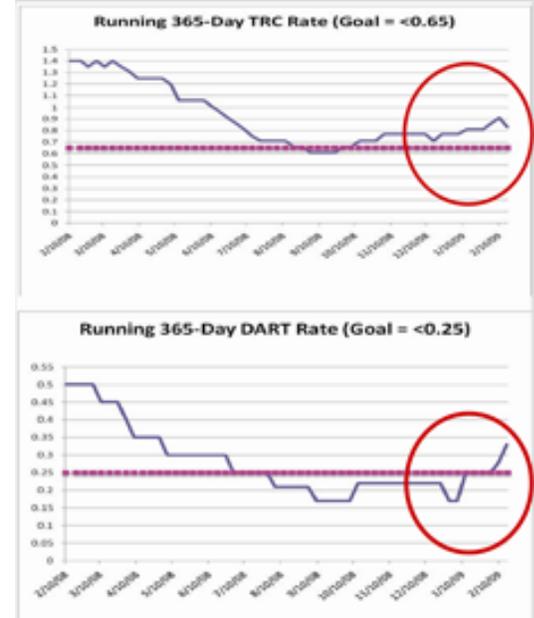
"The Intensity Frontier presents many opportunities for future projects at Fermilab. This is an exciting time," said Fermilab Deputy Director Young-Kee Kim.

The Intensity Frontier offers a unique path to research areas unattainable by the LHC and a next-generation linear collider. Fermilab will play a leading role in creating advanced accelerator and detector technologies and putting them to work for intensity-frontier experiments, such as Project X, a high-intensity proton source at Fermilab that will connect to the proposed Deep Underground Science and Engineering Laboratory in South Dakota, and other precision and flavor physics experiments.

Lectures will address topics including

## Director's Corner

### A matter of concern



The graphic shows the rolling average in total recordable cases and injuries requiring days away or restrictions for the last 365 days.

We are very proud of the safety culture at Fermilab. At all levels of the organization we perform our work safely and we care about the safety of our co-workers. We constantly look for opportunities to improve our work environment and our procedures. It is important, however, not only to understand every injury to determine the underlying causes, but to measure our performance and raise our attention when our performance appears to be going south.

The chart included with this column shows the rolling average in total recordable cases (TRC) and injuries requiring days away or restrictions (DART) for the last 365 days. It shows the extraordinary improvement we achieved last year bringing down our TRC and DART rates by a significant factor. We met all targets and this performance was [recognized](#) and commented on by the Department of Energy. Recently, however, we have seen an uptick in the rates, which is a matter of concern. In the first five months of the year, we already have two more DART cases than last year and we are already above our target for the entire fiscal year 2009.

Maybe we are simply not as good as last year's numbers indicate – it may have been a

Tuesday, Feb. 24

- Chicken & rice soup
- \*Low carb burger
- Beef stroganoff
- Smart cuisine: chicken lemon
- Peppered beef
- Assorted sliced pizza
- Chicken tostada

\*Denotes carb-restricted alternative

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Wednesday, Feb. 25

Lunch

- Lemon & Herb Tilapia
- Spinach Risotto
- Blueberry Pecan Crumb Cake

Thursday, Feb. 26

Dinner

- Crab stuffed mushrooms
- Speckled trout meuniere with meuniere sauce
- Garlic cheese grits
- Corn maque choux
- Bread pudding with whiskey sauce

[Chez Leon Menu](#)

Call x3524 to make your reservation.

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[Safety Tip of the Week](#)

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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)

innovative accelerator and detector technologies and research into neutrino, muon and hadron physics. A reception will follow each lecture.

For more information on the Extreme Beam lecture series, visit the Web site: <http://www.fnal.gov/ExtremeBeam/>



The Extreme Beam lecture series will take place throughout 2009.

-- Rhianna Wisniewski

## Announcement

### "The Dark Side of the Universe" lecture tonight

The Chicago Council on Science and Technology presents a public lecture by astronomer Rocky Kolb, particle physicist Joe Lykken and cosmologist Michael Turner, who will discuss what we know about the nature of dark matter, dark energy and the role of particle accelerators and telescopes in solving the mystery of the unseen 96 percent of the universe. The talk takes place tonight, at the Blackstone Hotel, Crystal Ballroom, 636 South Michigan Avenue, Chicago. Reception: 5:30 p.m. Presentation: 6:00 p.m. [More information.](#)

## In Memoriam

### In Memoriam: Frank C. Shoemaker

Pioneer researcher at Fermilab dies



Frank C. Shoemaker

Frank C. Shoemaker, 86, of Hightstown, NJ, passed away on Feb. 11. He was a leader in the particle physics community and integral in the launching of Fermilab's initial collider experiments and bison herd as well as the subsequent operation of neutrino programs.

Shoemaker was professor emeritus of physics at Princeton University, where he worked 40 years and helped start the experimental

simple statistical fluke. I don't believe so. The nature of the accidents continues to be lapses of attention that lead to slips, falls and pulled muscles. This is something that we can remedy with focus and attention as we did last year through a variety of new measures. Persistent awareness is what it takes.

I want to bring this issue to your attention now because of the extraordinary demands we will face in the next few months. At this stage we expect a very significant increase in funding under the American Recovery and Reinvestment Act, and the House has just filed an omnibus bill for the current fiscal year that would restore the funding to the laboratory to levels prior to the disaster of last year. These two bills, when fully implemented, mean we will have an unprecedented level of activity that will require us to stay firmly focused on safety.

## Accelerator Update

Feb. 20-23

- Four stores provided ~55 hours of luminosity
- Accumulator kicker and TWT problems fixed
- TeV sector A3 vacuum pump tripped off

\*The integrated luminosity for 2/16/09 to 2/23/09 was 65.24 inverse pico barns.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcement

### Summer onsite day camp offers one-week sessions

The summer onsite daycamp for children of Fermilab employees ages 7-12 has reduced its session lengths from three to one week to help parents with scheduling vacations and other summer activities for their children. The one-week sessions will offer the same activities, including use of the pool, as the previous longer sessions. The camp will offer session from June 1-Aug. 14. The registration deadline is Feb. 26. [More information](#)

## Announcements

particle physics group, a Fellow of the American Physical Society, a member of Sigma Xi and of Phi Beta Kappa.

In 1968, he took a year-long leave of absence from Princeton to become the first head of the Main-Ring group at the National Accelerator Laboratory, which was to become Fermilab. He led the design and construction of that facility's 1-km radius main accelerator ring. He also suggested the introduction of the herd of bison.

Returning to Princeton in 1969, Shoemaker played critical roles in Princeton experiments conducted at Brookhaven National Laboratory in New York and at Fermilab that provided confirmation of the new quantum chromodynamics theory of strong interactions and the unified theory of weak and electromagnetic interactions. He served as principal investigator from 1972-85. Following his retirement from teaching in 1989, he played a major role in the Booster neutrino experiment, MiniBooNE, at Fermilab, and was listed as a co-author on a paper published in 2008.

He is survived by loving daughters, Barbara Shoemaker and Mary Mittnacht, both of Santa Fe, NM, and a brother, Sydney Shoemaker, of Ithaca, NY. After nearly 57 years of marriage, his wife, Ruth Elizabeth Shoemaker, died in 2001.

The family does not plan a memorial service, but has designated two organizations to receive memorial gifts: [SAVE](#), an animal rescue organization (900 Herrontown Rd., Princeton, NJ 08520), and the Princeton High School Performing Arts Center and High School Music [Programs](#) (Princeton Education Foundation, PO Box 176, Princeton, NJ 08542 – please specify the Music Programs and Arts Center as the purpose of any gifts).

## Latest Announcements

[Access 2007: New Features class offered March 18, 2009](#)

[Excel 2007 Pivot Tables class offered March 18](#)

[PowerPoint 2007: Intro class offered March 19](#)

[Publisher 2007: Intro class offered April 1](#)

[Have a safe day!](#)

[Online Oxford English Dictionary now available site wide](#)

[Muscle Toning classes](#)

[Kyuki Do Classes - March 30](#)

[NALWO - Brown Bag Lunch Program - "Australia: Travels in the Land Down Under" - Feb. 24](#)

[The Dark Side of the Universe, Feb. 24](#)

[Daycamp information and registration - deadline - Feb. 26](#)

[The Pierre Auger Experiment - lecture by Dr. Angela Olinto - Feb. 27](#)

[English Country Dancing, March 1](#)

[Introduction to LabVIEW class offered March 5](#)

[Arianna String Quartet - Gallery Chamber Series - Sunday, March 8](#)

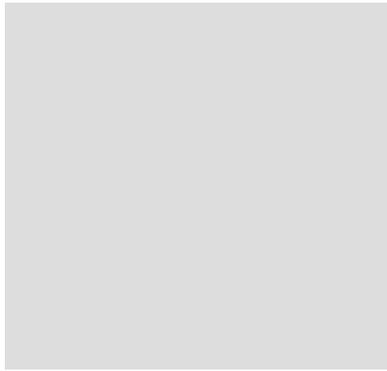
[Onsite housing - Summer 2009 - Deadline - March 9](#)

[Fermilab Arts Series presents Solas - March 14](#)

[Altium Designer Lunch and Learn Seminar - March 17](#)

[URA visiting Scholars applications due March 20](#)

[NALWO - Adler Planetarium Trip - March 21](#)



[Child Care program offered - March 24](#)

[Conflict Management & Negotiation Skills class offered April 1](#)

[Additional Activities](#)

[Submit an announcement](#)