

## Calendar

### Wednesday, January 11

**11:00** Fermilab ILC R&D Meeting - 1

West

Speaker: S. Mishra, Fermilab

Title: ILC Baseline Configuration

Document

**3:30** Director's Coffee Break - 2nd Flr X-Over

**Note:** There will be no Fermilab Colloquium this week

### Thursday, January 12

**2:30 p.m.** Theoretical Physics Seminar - Theory Conf Rm (WH-3NE)

Speaker: A. Martin, Boston University

Title: A New Mechanism for Light

Composite Higgs Bosons

**3:30 p.m.** Director's Coffee Break - 2nd Flr X-Over

**4:00 p.m.** Accelerator Physics and Technology Seminar - 1 West

Speakers: N. Mokhov and D. Still, Fermilab

Title: Crystal Collimation at the Tevatron

## Weather



Rain 43°/33°

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## Congratulations Fermilab: TRC and DART Cases Down



Fermilab has had only five DART cases in the past year, none of which led to lost work days. (Click image to see lost work days per quarter.)

Fermilab is getting safer every day, and we've got the numbers to prove it. After a [steady 7-year decline](#) in on-the-job injuries, the lab has reached a Total Recordable Case (TRC) rate of only 1.12 cases per year--this ties for the lowest annual rate in the lab's history. Even better, with only 0.20 Days Away Restricted or Transferred cases, Fermilab has reached the lowest annual DART case rate ever recorded.

These numbers sound pretty good, but what do they mean? Mary Logue of ES&H says the TRC rate describes the total number of injuries per 100 workers. "This includes anything that requires medical treatment beyond a simple band-aid," she said. DART cases, a subset of TRC cases, are those injuries in which the employee's work must be modified, or where the employee is unable to work at all.

The most common cause of TRC cases are lacerations: "Most of our cuts are to the hands and arms, and are usually due to the improper use of a tool," said

## Say "Cheese!" If You See The DZero Camera Guy



Marc Buehler has amassed tens of thousands of photos, including self-portraits, to share with family and friends via the Internet.

He carries his camera with him everywhere he goes. He has amassed tens of thousands of photos documenting everything from his work at Fermilab to a friend's daily antics. His collection includes images of buildings, devices, people, animals, sunsets, snow, fire hydrants, and more. No wonder Marc Buehler, a DZero physicist doing Higgs research, has been dubbed DZero's "Camera Guy."

Buehler started to photograph his daily life when he moved to downtown Chicago in 2001, despite not having photography as a hobby before then. "It's for my family but also for myself. I came here from Germany in 1997 and wanted to document the experience of living in the U.S.," says Buehler. All his photos are archived on a site that friends and family can access using a password; after viewing photos, they can leave comments as well. Because he uses a LINUX platform without commercial Web publishing tools, Buehler edited his early photo archives by hand, a tedious

**Wednesday, January 11**

- French Onion
- Texas Style Meatloaf Sandwich
- Grilled Chicken w/Black Bean & Corn Salsa
- Smoked Turkey Panini Pesto Mayo
- Italian Sausage w/Peppers
- Sausage & Pepperoni Combo
- Fettucine Chicken

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express.

[Wilson Hall Cafe Menu](#)

**Chez Leon****Wednesday, January 11****Lunch**

- Tinge Con Tostados
- Rice and Beans
- Pico De Gallo
- Banana Spring Rolls

**Thursday, January 12****Dinner**

- Gruyere and Black Forest Ham Crepes
- Shrimp Scampi
- Spinach Fettuccine
- Cassata

[Chez Leon Menu](#)

Call x4512 to make your reservation.

**Search****Search the Fermilab Today Archive****Info**

Logue. Fermilab's few DART cases, on the other hand, were caused by soft tissue and traumatic injuries; for example, twisting a knee by slipping in the mud. "We've only had five DART cases in the past year," said Logue. None of those cases resulted in "lost time" where an employee or subcontractor is unable to work at all (see graphic).

Logue says that the dramatic decline in injuries results from conscientious work habits. "People here plan their job carefully and use the right tool," she said. "Staying safe takes continual hard work from everyone at the lab, and that work is paying off."

— *Siri Steiner*

### **SSDS Press Release: The Sloan Digital Sky Survey Reveals A New Milky Way Neighbor: A Galaxy So Big We Couldn't See It Before**

WASHINGTON, DC - A huge but very faint structure, containing hundreds of thousands of stars spread over an area nearly 5,000 times the size of a full moon, has been discovered and mapped by astronomers of the Sloan Digital Sky Survey (SDSS-II).

At an estimated distance of 30,000 light years (10 kiloparsecs) from Earth, the structure lies well within the confines of the Milky Way Galaxy. However, it does not follow any of Milky Way's three main components: a flattened disk of stars in which the sun resides, a bulge of stars at the center of the Galaxy and an extended, roughly spherical, stellar halo. Instead, the researchers believe that the most likely interpretation of the new structure is a dwarf galaxy that is

process. He eventually programmed a script that generates all the HTML coding and allows him to easily upload photos.

Buehler admits that the "gadget factor" also drew him to digital photography. His first digital camera, an inexpensive Hewlett Packard model, wore out after about a year and he had to rely on his camera phone until purchasing his current Sony Cybershot. He says that although his parents like to look at the digital photos, they don't leave many comments. "They still think this is weird," he says with a laugh.

— *Dawn Stanton*

### **SSDS Press Release: The Sloan Digital Sky Survey Turns Its Eye On The Galaxy**

WASHINGTON, DC - An amazing array of new stellar findings were released today in the American Astrophysical Society's special session, "Galactic Astronomy and The Sloan Digital Sky Survey."

The tilted, egg-shaped Milky Way stellar halo, an explosion in the number of "pristine," ancient stars, variations in the age and chemical make-up of open cluster stars, 'high velocity' stars in the Galactic halo, and the search for other rare and interesting objects were part of the earliest findings from SEGUE, the Sloan Extension for Galactic Understanding and Exploration.

[Read More](#)

**Announcements**

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

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merging into the Milky Way.

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### In the News

#### From *Silicon Valley.com*, January 10, 2006: Scientists eagerly await delivery of comet dust

If all goes well Sunday, a 100-pound space capsule called Stardust will come screaming into the atmosphere at nearly 29,000 mph, faster than any human-made object to date.

For a little more than a minute it will blaze as bright as Venus, an artificial fireball whose sonic boom shakes the ground.

Then, deploying a series of parachutes, it will drift to a gentle landing in the Utah desert, cradling millions of pieces of dust that, if lumped together, would weigh less than a grain of salt.

It will be the first solid stuff brought back from space since the Apollo moon missions, and the first to come from beyond the moon.

And if the mission succeeds, the impact could be huge.

[Read More](#)

### Artist Reception

There will be an artist reception for George Shipperley on Friday, January 13, from 5-7 p.m. Shipperley's exhibit, "Color Expressions," is on display in the Fermilab art gallery through February 28.

### Discounted Special Event Tickets

Order forms are available in the Recreation Office for discounted tickets for the following performances: Disney on Ice: The Incredibles at the Allstate Arena, Harlem Globetrotters 80th Anniversary at the United Center, Smuckers Stars on Ice at the Allstate Arena, The Sound of Music at the Cahn Auditorium, and Murder Mystery Dinner Theater at the Milk Pail Restaurant. More information and order forms can be found on the [website](#).

### Upcoming Classes

**January 31:** Adobe Acrobat 7.0 Professional

**February 1:** Excel Shortcuts

**February 7:** Interpersonal Communication Skills for Tech & PC Staff

**March 1:** Word Tips, Tricks and Techniques

**March 6:** Interpersonal Communication Skills for Tech & PC Staff

**March 7, morning:** Excel Pivot Tables

**March 7, afternoon:** Word Mail Merge

**March 8:** Excel 2003 Advanced

**March 14:** Excel Power User / Macros

**March 21 and 22:** Intro to Dreamweaver MX

[More Information](#)

### [Upcoming Activities](#)