

Calendar

Friday, September 2

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

4:00 p.m. Joint Experimental Theoretical
Physics Seminar- 1 West
Speaker: R. van Kooten, Indiana
University

Title: Search for B_s Oscillations: New
DZero Results

Monday, September 5

Labor Day Holiday

Tuesday, September 6

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

Note: There will be no Accelerator
Physics and Technology Seminar today

Weather



Sunny 83°/52°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

How to Help Katrina Victims



Fermilab has many users from Gulf Coast universities hard hit by hurricane Katrina. The Louisiana State University flag in the MiniBooNE detector hall. (Click on image for larger version.)

Many in the Fermilab community have asked how they can best help victims of Hurricane Katrina. Fermilab physicist Lee Sawyer, a Louisiana native and DZero collaborator from Louisiana Tech, writes with suggestions and news from the scene.

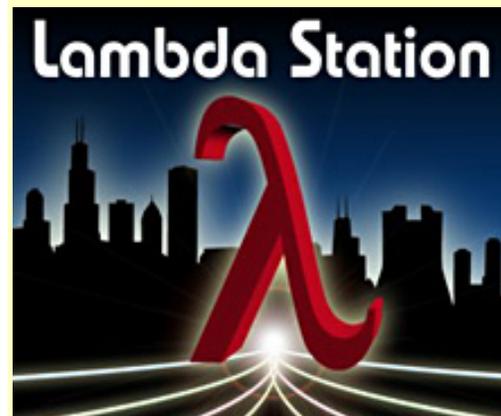
September 1, 2005:

Thanks to the Fermilab community for wanting to help.

I have spoken to some of the local relief coordinators, and at the moment the best way to help is to give money to one of the following organizations: The American Red Cross, the Salvation Army, or Catholic Charities. Yahoo has setup a site for online donations to the [Red Cross](#).

While there are foodbanks setup here, and a pressing need for clothing, toiletries, and shelter for the evacuees, the charitable organizations can handle the logistics of getting these items to

Fermilab, Caltech Begin Using UltraScience Net



The Lambda Station system can automatically connect computers in local networks with the UltraScience Net.

Preparing for an onslaught of data to be processed and distributed in the upcoming years, scientists at the Department of Energy's Fermi National Accelerator Laboratory and at the California Institute of Technology successfully tested a new ultrafast data transfer connection developed by the Office of Science of the Department of Energy.

The new DOE UltraScience Net, which allows for the development and testing of dynamically switched fiber-optic links with speeds of up to 20 Gigabits per second, connects cities such as Atlanta, Chicago, Seattle, and Sunnyvale, CA. In a recent test, the transfer of data from a system at Fermilab to a system at Caltech achieved a rate of 7 Gigabits per second, over 15 times faster than with a comparable production Energy Science Network, and thousands of times faster than the usual high-speed Internet connections at private residences.

"With the UltraScience Net, the

Friday, September 2

- Cream of Wild Mushroom
- Blackened Fish Filet Sandwich
- Southern Fried Chicken
- Fish Mediterranean
- Eggplant Parmesan Panini
- Pizza Supreme
- Assorted Sub Sandwiches

The Wilson Hall Cafe now accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, September 7

Lunch

- Salmon w/Ginger Scallion Mayo
- Snow Peas & Carrot Salad
- Poached Pears w/Vanilla Ice Cream & Chocolate Sauce

Thursday, September 8

Dinner

- Vol-au-Vents w/Mushroom Duxelles
- Swordfish Kabobs
- Onion Risotto w/Corn & Bacon
- Banana-Walnut Spring Rolls w/Caramel Rum Sauce

[Chez Leon Menu](#)

Call x4512 to make your reservation.

Search

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Info

people better than any of us can.

The situation in Louisiana is terrible, probably worse in fact than what you are hearing on the news. This is the worst disaster ever seen in the United States. We have thousands of people here in Ruston; they are being housed at our Civic Center, local churches, and motels. I will be helping with the 5:30 meal at our Methodist church, where about 200 families are staying. There are maybe 200 to 300 thousand evacuees throughout north Louisiana.

[Read More](#)

ILC NewsLine

Linear Collider Forum of America Sponsors ILC Industrial Meeting at Fermilab

The Linear Collider Forum of America will sponsor an International Linear Collider Industrial Forum on September 21-22 at Fermilab. More than 100 scientists, engineers and industry leaders from the United States, Asia and Europe are expected to attend.

Following a number of [successful discussions](#) at the SRF2005 and Snowmass ILC Workshop, the main goal of this upcoming meeting is to provide industry with technical information about the International Linear Collider. In turn, scientists hope to receive some



Department of Energy is at the leading edge of high-speed and high-capacity network research for science applications in the country," said Fermilab's Matt Crawford, who led the effort of connecting Fermilab to the Chicago node of the UltraScience Net. "Fermilab is among the first users of the UltraScience Net."

The UltraScience Net was developed under the leadership of scientists at DOE's Oak Ridge National Laboratory.

"About two years ago, we looked at various needs for high-speed networking capabilities within the Department of Energy's science program," said ORNL's Nageswara Rao, one of the principal investigators of the UltraScience Net. "From terascale supernova simulations to visualization of genomics data to data from particle collisions, there is a demand for stable, dedicated, high-bandwidth connections to exchange data. With the UltraScience Net, research institutions can book a connection, and nobody can interfere with your circuit while you transfer data at high speed."

[Read More](#)

—Kurt Riesselmann

Announcements

International Folk Dancing

Members of Fermilab's International Folk Dancers and Silk & Thistle Scottish Dancers will perform at the Fox Valley Folk Festival, this Sunday and Monday, Sept. 4 and 5, in Island Park in Geneva. There will be a teaching workshop on international dance on Sunday at 5 p.m., a mainstage performance of dances of the British Isles, with music by O'er the Border on Monday at 1 p.m., and a teaching workshop on Scottish country

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insight from industry leaders as to how to develop a model for the ILC industrialization. A TESLA type super-conducting cavity, assembled by ACCEL in Germany.

"The purpose from the lab's point of view is to transfer information," said Fermilab Associate Director Steve Holmes. "At Snowmass we had great discussions between the labs, universities, and industry on models of collaboration in both the R&D and construction phases. There was also great communication between industries in the three regions. We are looking to build on these discussions at the September meeting."

[Read More](#)

In the News

From *The Economist* (print edition), September 1, 2005: Strange Behaviour: Particles that exist only fleetingly help make everyday matter magnetic

In the world of particle physics, there is no such thing as nothing. Particles of matter, and their anti-matter counterparts, are forever flitting in and out of existence. Theorists have predicted that the presence of such transient visitors has little effect on everyday life. However, a group of experimental physicists has just shown this view to be mistaken.

[Read More](#)

dances Monday at 3 p.m. There will also be barn dancing on Sunday at 6 p.m., and storytelling and folk music on several stages both days. More information is available at www.foxvalleyfolk.com, or by calling 630-897-3655, or 630-584-0825.

Barn Dance

Fermilab Folk Club Barn Dance Sunday, Sept. 11 at 6:30 p.m. with music by Jenniffer Jeffries and Paul Watkins and calling by Dan Saathoff. [More Information](#)

Natalie MacMaster - Last Call

Only about 250 tickets remain for the Natalie MacMaster concert at the Fermilab Arts Series on Saturday, September 17. Order yours today by calling 630/840.ARTS (2787)!

Bristol Renaissance Faire, Kenosha--Last Chance

Discover a day filled with revelry and merriment, the arts, enlightenment, and delightful family fun. The Bristol Renaissance Faire runs through September 5 on Saturdays, Sundays and Labor Day Monday 10:00 AM until 7:00 PM (Rain or Shine) Discounted Tickets available in the Recreation office Tuesday through Thursday \$15.75 adults, \$7.50 children. Payment by cash or check only.

Bat Exhibit; Only One Week Left

The SciTech Museum in downtown Aurora presents a traveling exhibit, "Masters of the Night: The True Story of the Bats." Learn more about these flying mammals and the hundreds of species that exist. The exhibit runs through September 11. Admission is \$7 and includes the [Outdoor Science Park](#). To obtain a \$1-off coupon, visit www.scitech.museum.

New Classifieds on Fermilab Today

New [classified ads](#) have been posted on Fermilab Today.

[Upcoming Activities](#)