



**Wilson Hall Cafe****Friday, October 20**

- Old fashioned ham and bean soup
- Buffalo Chicken Wings
- Cajun Breaded Catfish
- Sweet and Sour Pork over Rice
- Honey Mustard Ham and Swiss Panini
- Assorted Slice Pizza
- Carved Turkey

**Upcoming Menu****Chez Leon****Wednesday, October 25**

- Seafood Crepes with Sherry Sauce
- Field Greens with Raspberry Vinaigrette
- Lemon Yogurt Cake

**Thursday, October 26****Dinner**

Booked

**Chez Leon Menu**

Call x4598 to make your reservation.

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Wednesdays and Fridays to run around the Tevatron ring. Regular runner Steve Mrenna, Computing Division, completed his first marathon last year in Chicago. "It's amazing to see 40,000 people who are as crazy as you are," Mrenna said. He added, "Maybe it's comforting." Mrenna finds the goal of a marathon helpful in his work. "It helps to have challenges," he said. "They keep you sharp and focused."

--D.A. Venton

**SciBooNE's SciBar detector zipping along at light speed**

Rick Tesarek (left) and John Cornele inspect the frame for the SciBar detector.

Quick-moving experiment SciBooNE is half-way through construction of their main detector, SciBar. The detector's frame, custom designed by Ed Chi, PPD mechanical department, is completed and paneled to be light-tight. In the next step, SciBar subdetector manager Hidekazu Tanaka, Kyoto University, will oversee installation of the 64 scintillator layers. Scintillator material emits light when a charged particle flies through. That light will be picked up by optical

the GDE Meeting in Beijing in February 2007.

The ILC baseline configuration (BCD) developed last year defined the major parameters and concepts for the ILC. This year, through an orderly change control process, we have evolved that design concept. The next big step is to create a reference design, in which we will define in detail the technical parameters and components that make up each of the subsystems in the ILC baseline. The main linac, for example, is made up of superconducting RF cavities, cryomodules that house the cavities, low level and high level RF, magnets and so on. For each of these sub-elements, we are determining the technical and performance parameters, and itemizing the components in order to make a first estimate of the costs. This process will give us a complete design concept but with only a few engineering drawings. The RDR will provide guidance for our R&D program, motivate industrial studies and be the basis for the engineering design needed to make a project proposal. For the RDR, we have deferred consideration of those potential changes that will require significant engineering or industrial studies to evaluate.

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**Announcements****Monthly Leave Sheets Due**

Monthly Leave Sheets are due in Payroll by 10 a.m. on Friday, October 20.

**A Taste of Taiwan**

CDF physicists are organizing a get-together with Taiwanese food and music on Thursday, October 26, from 6:30 p.m. to 9:00 p.m. in the Kuhn Barn. "There will be free Taiwanese food," said organizer

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fibers and photomultipliers and recorded by the detector's computers. Any outside light will skew results.

For the light-proofing, John Cornele, PPD mechanical technician paneled the detector frame with plywood. "Normally this would be done with metal," said Rick Tesarek, of Fermilab, SciBooNE project head. "But this is less expensive and works just as well. We're giving the tax payers good value for their money."

Work on the paneling began Monday, October 9, and is expected to be completed next week. A live webcam, set up by Visual Media Services, is tracking the project's progress. Java Runtime users can view it at <http://vms-webcam01.fnal.gov>. Upon completion of the detector, VMS will compile a time-lapse video to show the work from start-to-finish.

--D.A. Venton

### In the News

#### **CERN Press Release, October 19:**

#### **New Experiment to Investigate the Effect of Galactic Cosmic Rays on Clouds and Climate**

Geneva, 19 October 2006. A novel experiment, known as CLOUD (Cosmics Leaving OUtdoor Droplets), begins taking its first data today with a prototype detector in a particle beam at CERN[1], the world's largest laboratory for particle physics. The goal of the experiment is to investigate the possible influence of galactic cosmic rays on Earth's clouds and climate. This represents the first time a high energy physics accelerator has been used for atmospheric and climate science.

Shin-Shan Eiko Yu. "We will also provide some travel information, play traditional Taiwanese music, and display news clips about Taiwan."

#### **English country dancing**

English country dancing will continue at Kuhn Barn, and is changing to meeting the first Sunday afternoon of the month. It is not meeting in October, and will take place next on Sunday, November 5, at 2 p.m. Please contact [folkdance@fnal.gov](mailto:folkdance@fnal.gov) or call 630-584-0825 or 630-840-8194.

#### **NALWO Fall Luncheon**

There will be a NALWO fall luncheon Monday, October 23, from 11:30 a.m. to 1:30 p.m. at Chez Leon in the Users' Center. Join lab women (guests, visitors, users and employees) and help plan interesting activities for the coming season. Please bring a dish to share: casserole, salad, side dish, dessert, or whatever you choose. For additional information, contact the Housing Office at 630/840-3777 or [housing@fnal.gov](mailto:housing@fnal.gov); or call Rose Moore at 630/208-9309.

#### **GSA Halloween Party**

GSA will have its annual Halloween party in the Kuhn Barn on Friday, Oct 27 at 7:30 p.m. Come, hang out and enjoy snacks and beverages and candy. You can wear your favorite Halloween costume for a shot at a prize and join in the pumpkin carving contest! RSVP to [kendallm@phys.columbia.edu](mailto:kendallm@phys.columbia.edu).

#### **Village Power Outage**

Maintenance has scheduled a Village power outage for Saturday, October 21, from 7:00 a.m. to about 4:30 p.m. The outage will affect all Village labs and housing. Please plan accordingly.

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### Lost and found

An employee recently found a cardboard carton on site on Batavia Road. The carton has a label that says "PO 183341, qty 1 ea, Item# 3050002, Description Left Cart Door 5-B, Size 530 x 390 x 120 (mm)." It possibly fell off a contractor's truck. If this belongs to you, or someone you know, contact Tim Smith at [tsmith@fnal.gov](mailto:tsmith@fnal.gov).

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