

## Calendar

### Friday, November 3

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-over

**4:00 p.m.** Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: A. Lyon, Fermilab

Title: New Electroweak Physics Results from DZero

**8:00 p.m.** Fermilab Lecture Series - Dr.

Pierre Ramond, University of Florida presents: Neutrino Eyes on the Cosmos

Location: Auditorium

Tickets: Adults \$5

### Monday, November 6

**2:30 p.m.** Particle Astrophysics Seminar

- Curia II

Speaker: A. Klypin, New Mexico State University

Title: Motion of Satellites of Galaxies: Newton Against MOND

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.** All Experimenters' Meeting -

Curia II

Special Topic: Booster Activities

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

## Weather



Mostly Sunny **41°/30°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

## Dyer eases back strain, wins Industrial Hygiene Award



PPD Head Jim Strait presented the award to employee Albert Dyer (right).

Albert Dyer of the Particle Physics Division recently won the Industrial Hygiene Award for 2005. The award recognizes an outstanding effort to keep employees safe at work. Dyer won for suggesting, researching and helping to implement the use of hydraulic lifts for moving heavy furniture at the lab.

PPD head Jim Strait presented the award to Dyer on Monday afternoon in his office. "Congratulations, that's good work," said Strait, who recalled severely injuring his own back when moving from one house to another as a young postdoc. "People don't realize how important this is."

For 16 years, Dyer has tested silicon chips by attaching hundreds of wires, each one-third the width of a human hair, to test boards. Perhaps that makes his accomplishment surprising. "It has less to do with eye strain than back strain," said Dyer, who was inspired to suggest the change after helping a number of guest-

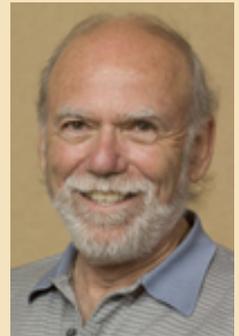
## ILC NewsLine

### Worldwide peer reviews for ILC detector R&D

*This column is written by Barry Barish, director of the Global Design Effort.*

Reaching the science goals for the ILC will require that

both the collider performance and the capabilities of the detectors be consistent with the parameters set out by the ILCSC parameters group.



Barry Barish

For the ILC detectors, this will require improvements in both spatial and energy resolution. Around the world, experimentalists are pursuing an impressive and ambitious R&D program that targets these goals, with some overall coordination provided through the Worldwide Study (WWS). The WWS sponsors an annual Linear Collider Workshop (LCWS) that is organized jointly with one of our triannual GDE meetings, providing the detector community with both a worldwide workshop and a forum for interactions and joint meetings with the ILC accelerator community. The WWS has also formed a Detector R&D Panel, chaired by Chris Damerell, which has been given responsibility to implement a new systematic procedure for peer-reviewing ILC detector R&D on a worldwide basis.

[Secon Level 3](#)**Wilson Hall Cafe****Monday, November 6**

- French Quarter Gumbo
- French Dip with Horseradish Cream Sauce
- Santa Fe Pork Stew
- Tandori Chicken
- Turkey Breast on Homemade Fococcia
- Assorted Slice Pizza
- Sweet n' Sour Chicken with Egg Roll

[Upcoming Menu](#)**Chez Leon****Wednesday, November 8****Lunch**

- Stuffed Cabbage w/Sauerkraut
- Julienne of Peppers
- Baked Apples with Crème Chantilly

**Thursday, November 9****Dinner**

- Caribbean Root Vegetable Soup
- Red Snapper Vesuvio
- Steamed Rice
- Green Beans & Red Onions
- Banana Walnut Spring Rolls with Caramel Rum Sauce

[Chez Leon Menu](#)

Call x4598 to make your reservation.

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researchers set up temporary office spaces on his floor. "We've got to start taking care of our backs a little bit more."

--Siri Steiner

## "Neutrino Eyes on the Cosmos" tonight at 8:00 p. m.



Pierre Ramond is the director of the Institute for Fundamental Theory at the University of Florida.

Tonight, November 3, as part of the Fermilab Lecture Series, Dr. Pierre Ramond of the University of Florida will speak about the history and future of neutrinos. Ramond, who was part of Fermilab's first group of post-doctoral researchers in the late 60s, has studied neutrinos for almost 30 years.

The hunt to capture neutrinos, a search that Ramond says was "full of interesting characters," lasted 26 years until the first detection. Researchers began looking for neutrinos after they were proposed by Wolfgang Pauli to solve a conservation of energy problem in beta decay. "Many people thought they could never be detected," said Ramond.

[Read More](#)**Police chase at Fermilab**

There was a high-speed police chase in West Chicago Wednesday night. The chase ended at Fermilab when a car swerved off the road near the buffalo barn, and two armed drivers tried to flee on foot. The first suspect was apprehended just as he tried to flee; the second was at large for a short time Wednesday night.

Village residents were warned to stay inside and lock their doors Wednesday night because the second suspect had not been apprehended. The second suspect was caught later in the evening and both weapons were retrieved.

**Milestones**

CMS started lowering the first slice of their detector underground yesterday. You can watch see its position on CERN's underground [Web cam](#). Altogether, the lowering will take 15 hours, so don't expect to see the detector move while you are watching!

**Announcements**

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

Send comments and suggestions to [today@fnal.gov](mailto:today@fnal.gov)

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In his lecture, Ramond will discuss how neutrinos can tell us about the way nature works. For example, the 2002 Nobel Prize in Physics was awarded for the detection of solar neutrinos, which confirmed how the sun works and led to the discovery that neutrinos travel slower than light. "In the future we'll be using them to detect very distant objects and make astronomical discoveries."

The talk will be held at 8 p.m. in the auditorium. Admission is \$5. For more information call 630-840-ARTS (630-840-2787).

--D.A. Venton

### **Prairie harvest**

November 4 is the last prairie harvest of the year. Come and collect seeds for re-planting, and help preserve and restore the prairie. Picnic lunch will be provided, but be sure to wear field clothing and gloves. Bring pruning shears and paper bags if possible. The harvest will take place from 10:00 a.m. to 2:00 p.m. onsite. You can learn more on the ecology [website](#).

### **Classifieds**

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

### **[Upcoming Activities](#)**