

## Calendar

### Friday, October 15

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

BREAK - 2nd Flr X-Over

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

Speaker: G. Landsberg, Brown University

Title: Search for Hidden Dimensions in Space at D0

### Monday, October 18

**2:30 p.m.** Theoretical Astrophysics

Seminar - Curia II

Speaker: M. Perelstein, Cornell University

Title: Two Topics in Cosmoparticle Physics

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

BREAK - 2nd Flr X-Over

THERE WILL BE NO ALL EXPERIMENTERS' MEETING THIS WEEK

## Wilson Hall Cafe

### Friday, October 15

Old Fashioned Ham & Bean Soup

Black & Blue Cheeseburger \$4.75

Chicken Wellington \$3.75

Tex-Mex Lasagna \$3.75

Roasted Veggie & Provolone Panini \$4.75

Pizza cacciatore \$2.75

Vegetarian Stir Fry \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

## Weather

## In Memoriam: Terry Waldrop

Terry Waldrop, a mechanical technician from the Accelerator Division who worked at Fermilab for 34 years, died on Monday, October 11.



Terry Waldrop

Waldrop, who also spent many years in the Technical Division and the Particle Physics Division, most recently worked in the Accelerator Division, installing the NuMI project at MI-65. "He was a hard worker and always willing to help," said Mike Petkus of the Accelerator Division, who spent the last few years working closely with Waldrop on the NuMI project. A big NASCAR fan, Waldrop was known for his lively and youthful spirit. "Terry was a very cheery type of person," Petkus said. "I enjoyed working with him and will miss him very much."

A wake will be held from 4:00 p.m. to 8:00 p.m. on Friday, October 15 at the Dieterle Funeral Home, 11120 Rt. 25 in Montgomery, Illinois. The funeral will take place at 11:00 a.m. on Saturday, October 16 also at the Dieterle Funeral Home. A service will follow in the lower level coffee room of the funeral home.

## Fermilab Participates In St. Charles Scarecrow Festival

## What's Up with the ILC?

*The eighteenth in a series of Fermilab Today stories on the International Linear Collider. The entire series is [available online](#).*

### Raubenheimer Tapped As Head of SLAC ILC Effort

Tor Raubenheimer has been named head of the new Linear Collider Department at SLAC, as the laboratory refocuses its work on the global design of the ILC in light of the recent decision to adopt "cold" superconducting technology.



Tor Raubenheimer

Raubenheimer takes over SLAC's former Next Linear Collider Department which, under the leadership of David Burke, had worked to successfully develop the X-band or "warm" technology and study various options for a cold linear collider. In a recent message to the SLAC community, Director Jonathan Dorfan said: "Let me encourage you all to embrace the ILC opportunity with enthusiasm so that SLAC can continue to be a leader in the worldwide community as it moves toward the construction of a machine that will reap tremendous physics benefits after it is completed."

As he took on his new responsibilities (and moved into a new office), Raubenheimer spoke with *Fermilab Today* about what lies ahead for this new LC Department and for the SLAC community.



Chance Showers 54°/36°

[Extended Forecast](#)

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Testing Professor Einstein's patience (Click on image for larger version.)

At the St. Charles Scarecrow Festival last weekend, one entry in the scarecrow competition attracted more reverence than most: It was Albert Einstein, sitting on a chair and complete with his slippers, uncombed hair, and deep science questions hovering over his head.

A team of docents from Fermilab's Lederman Science Education Center made the scarecrow, filling him with dry prairie grass coming from the Lederman Science Education Center's own study plot. During Friday afternoon's rain the docents wrapped professor Einstein with a tarp to help him stay dry. He is now at the Lederman Science Education Center, where he will be on display until Halloween.

The Fermilab team also had a booth at the Scarecrow Festival where kids could engage in six different physics activities and parents could get Fermilab bookmarks and maps, and schedules of Lederman Science Education Center classes.

**Q:** Congratulations on your appointment. How would you describe the mission of your group?

**A:** Our focus is entirely on the ILC. We have a small amount of X-band work to finish up over the next couple of months, then we will be 100 percent dedicated to the ILC. My personal desire is to see that it is designed and constructed in the best possible way we can do that, by contributing the strengths we bring to this new international collaboration. The world has to change, and this has to be a changed idea of a collaboration. Yes, we've worked together with others in the past, but this is a whole new approach to collaboration. We are not bringing in resources to support the lab: we are bringing in resources to support the ILC.

[Read the complete interview](#)

**Correction**

Thursday's story on moving the MiniBooNE horn did not include a full explanation of the lifting procedure, making it appear that the crane was beyond its capacity. The MiniBooNE Horn and shielding steel were designed by the AD Mechanical Support Department to be lifted in two pieces weighing approximately 20 tons each. The first lift was the outer coffin that weighed slightly over 20 tons. The second lift was the inner coffin and horn that weighed slightly under 20 tons. The lift capacity of the crane at TSB is 20 tons. Both lifts at TSB were performed per the FESHM requirements for Engineered Lifts due to the weight of each lift being at the maximum crane capacity. *Fermilab Today* regrets the error.

The docents involved in making the scarecrow and manning the booth were Mary Jo Murphy, Sue Sheehan, Bill Welch, Mary Hawthorne, Gail Haynes, Wendy Mouche, and Gail Poisson. Murphy said the festival was hard work - more than 500 people visited the booth - but lots of fun. "We're already looking forward to next year," she said.

### In the News

#### From *Scientific American*, October 13, 2004

##### Modern Telescopes Illuminate 400- Year-Old Astronomical Mystery

Four hundred years ago this past weekend, skywatchers witnessed the appearance of a new object in the western sky. Later identified as a supernova, the entity was dubbed Kepler's remnant after the legendary astronomer Johannes Kepler, who studied it during its early years. Now astronomers are using space telescopes to better understand our galaxy's most recent supernova.

[Read more](#)

### Announcements

#### GSA Halloween Party

The GSA will host their annual Halloween costume party on the evening of Friday, October 29 in the Kuhn Barn. Prizes will be awarded for the best costume. Food and drinks will be served. And back by popular demand, apple bobbing will also be available.

[more information](#)

#### New Classified Ads Posted on Fermilab Today

New [classified ads](#) have been posted on Fermilab Today. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

#### Power Outage News

##### Tevatron Tunnel, Service Buildings, Sumps, and Computer Links

October 16 – Power will be off to all of Tevatron for 10 hours starting at 7 AM on Saturday. This outage is for Feeder 45 work.

##### Kautz Road Substation

October 18 – The power will be off to all of the Main Injector service buildings and tunnel, including MI-12a, MI-12b, MI-13, and MI-65, for one half hour starting at 7 AM.