

Calendar

Friday, June 11

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Speaker: K. Yorita, Waseda University

Title: Top Mass Measurement in Run II at CDF Using the Dynamic Likelihood Method

Monday, June 14

THEORETICAL ASTROPHYSICS SEMINARS WILL RESUME IN THE FALL

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II

Special Topics: CDF Central Outer

Tracker Status Report

Experimenter Contributions to Booster Improvements

Wilson Hall Cafe

Friday, June 11

Cream of Wild Mushroom Soup

Blackened Fish Filet Sandwich \$4.75

Southern Fried Chicken \$3.75

Casserole Florentine with Italian Sausage \$3.50

Eggplant Parmesan Panini \$4.75

Pizza Supreme \$2.75

Honey Glazed Pit Ham \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather

NuMI Horns Installed 140 Feet Underground



Cervando Castro, Joe Lazzara and Doug Howard installing the second focusing horn for NuMI. (Click on image for larger version.)

On Monday, June 7, the second of two focusing horns for the NuMI beamline was successfully installed underground.

"This is a significant step forward," said NuMI physicist Jim Hylen. "It was completed on schedule, and illustrates that NuMI is on track to be ready for beam after the summer shutdown."

Kris Anderson engineered the horns, which focus the pions, emitted from collisions of 120 GeV protons with the NuMI target into the decay pipe. There the pions decay into muons and neutrinos. Hiep Le and the NuMI/MiniBooNE group from the Accelerator Division's Mechanical Support Department assembled and installed both horns, which are located 10 meters apart and surrounded by five feet of steel shielding. More than six years of design, engineering, prototyping, construction and testing went into the two horns, the first of



Wylie High School students presented Leon Lederman (right) with a t-shirt that they had made for the trip. Richard Steven Margulieux (middle) is the recipient of the Wylie High School Leon Lederman Scholarship. (Click on image for larger version.)

Forty Students from Wylie, Texas Visit Fermilab

Last week, forty students from Wylie High School traveled all the way from Wylie, Texas on a bus just to visit Fermilab.

"This is an eight-day science/history tour," said Wylie High School teacher Allen Morris. "We stopped at various historical places along the way, but the main purpose of the trip is just to visit Fermilab."

Just over two years ago, Nobel Laureate Leon Lederman was a guest speaker at Wylie High School. At the end of his talk, Lederman told the group of Wylie students that they should visit Fermilab, and they took him up on his offer. Because the trip was such a success two years ago, Morris decided to host another trip this year but with four times the number of students who visited the first time.

During their visit, the students had a tour of the fifteenth floor and the magnet factory. They also had the opportunity to hear Lederman speak about the



Chance Thunderstorms **80%/64°**

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which was installed June 1. Still ahead: connecting the water and power lines and then testing the horns in their new positions.

"It's been a long road to get this far," said Hylen. "Everyone did a superb job."

In the News

Results by DZero Make Big Splash

The DZero announcement on June 9 of a more precise top quark mass and its implications for finding the Higgs boson has led to articles in many different newspapers, magazines and Web sites, with more to be published. Here is an overview of some of the stories so far. For more articles please visit Interactions.org.

Beacon News: [Major measurement: Fermilab, NIU refigure mass of top quark](#)

Sun-Times: [Fermilab may be on verge of massive finding](#)

Nebraska News: [NU Scientists Contribute To Major Quark Discovery](#)

New Scientist: [Quark experiment predicts heavier Higgs](#)

Science Magazine: [Top Quark Tips Scale for Heavier Higgs](#)

Ascribe Newswire: [New Results Change Higgs Mass Estimate](#)

ScienceBlog.com: [Fermilab Results Change Higgs Mass Estimate](#)

EurekAlert: [Top quark measurements give 'God particle' new lease on life](#)

importance of finding good teachers. "A good teacher should be filled with the sense of science and not blaze about things. Every one of you should go find one of those teachers," Lederman said. Next year, Morris plans to take the group to Los Alamos National Laboratory.

Announcements

Print Version of Quantum Universe Available

The print version of Quantum Universe has arrived! Stop by the Office of Public Affairs to pick up a copy.

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*.

Free English Classes

NALWO-sponsored free English language classes for beginning and advanced levels are Fridays at the Users Center from 9:30 a.m. to 11:00 a.m.

Fermilab Barn Dance

There will be a Fermilab Barn Dance this Sunday, June 13 at 6:30 p.m., with music by Joe Samojedney with the Common Taters and Dan Saathoff calling. Dances are held in the Warrenville Community Building.

[more information](#)

