

Calendar

Tuesday, August 31

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wednesday, September 1

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: C. Hogan, University of Washington

Title: Quantum Gravity in the Microwave Sky

Wilson Hall Cafe

Tuesday, August 31

Creamy Turkey Vegetable soup

Popcorn Shrimp Hoagie \$4.75

Salisbury Steaks w/ Mushroom Au Jus \$3.50

Blackened Chicken Rotini in Cajun

Cream Sauce \$3.75

Smoked Turkey Breast on Homemade Focaccia \$4.75

Philly Cheese Stromboli \$2.75

Chipotle Chili & Queso Nachos

Supreme \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Sunny 80°/58°

[Extended Forecast](#)

[Weather at Fermilab](#)

Perfect Safety Record for MINOS Installation



The MINOS installation and commissioning group in front of the Near Detector. (Click on image for larger version.)

On August 10, the last plane was installed in the MINOS Near Detector. It took almost six months of complicated maneuvering to install all 282 planes, and the whole process was completed with no safety incidents.

"Each plane was handled a minimum of eight times," said John Voirin, the PPD Mechanical Installation Group Leader. "Safety was and is a priority, and complacency was a concern, so we regularly reviewed the hazards of the job. This was a large operation and the installation group--John Cornele, Tom Rathbun, Mark Shoun, John Kent and Jamie Grado--and everyone else involved should feel good about the result."

Each steel plate was first received at Fermilab, then stacked, inspected, assembled, stored, transported across the laboratory, lowered down the 360-foot shaft, moved down the detector

Director's Corner

Good Morning!

The headline story from the 32nd International Conference on High Energy Physics in Beijing this month was the announcement of the technology decision for the linear collider.



Mike Witherell

This did not overshadow the discussion of new physics results at the conference, however. We heard interesting results from every area of particle physics, from supersymmetry to CP violation, from dark matter to neutrino oscillations. The breadth and vitality of the Fermilab program was well represented in talks at ten of the eleven parallel sessions devoted to experimental results.

The two experiments operating at the Tevatron, CDF and DZero, submitted 133 conference papers. Speakers from the two collaborations presented these results in 23 talks at parallel sessions and gave three of the plenary talks.

Speakers from the MiniBooNE and MINOS experiments described their status and the exciting prospects for the year ahead at the neutrino session. The Cryogenic Dark Matter Search and the Pierre Auger Observatory gave their new results in the astrophysics and cosmology session and talked

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hall and finally stacked into the MINOS Near Detector. Up to five planes a day were handled during the final installation.

"A lot of hands were involved in the installation process without incident, and that's phenomenal," said Mike Andrews, NuMI Project ES&H Coordinator. "Procedures were written, hazard analyses completed, and the people doing the installation were very organized and handled each plane with the same level of attention."

Additional Information about the New Online Computer Security Training Course Requirement for Employees and Users

Yesterday's article resulted in some inquiries about how employees and users can sign up to take the new computer security training courses. Employees and users can find the new courses on the [ES&H online training center Web page](#). From here, employees and users can take the exams for all of the courses that are available online, including Basic Computer Security and Security Essentials for Fermilab System Administrator. The computer security courses, like all of the other online courses, can be taken online at any time. Employees and users who would prefer to wait until the deadline will be notified when it is necessary for the test to be taken.

In the News

about dramatic improvements in the near future as the experiments continue to grow. Final results from the charmonium experiment E-835 were presented to the hadron spectroscopy session, and a KTeV speaker talked about their precise measurements of kaon decay parameters and their results on rare kaon decays.

Looking to the future, everything points to an even richer field of results from Fermilab for next year, when the 2005 Lepton Photon Symposium will be held in Uppsala, Sweden.

Announcements

2005 Recreation Facility Memberships Memberships for 2005 go on sale in the Recreation Office on September 1. All new members that join in September receive 13 months for the price of 12. Rates will stay the same as 2004: \$75.00 regular membership and \$45.00 for a graduate student membership. Want to check out the facility before you join? Give the Recreation Office a call, and they will give you a one day pass to access the facility. 2004 memberships will expire October 1.

Wilson Hall Power Outages

- Power will be out September 13 for half an hour starting at approximately 7:00 a.m.
- Power will be out September 24 for half an hour starting at approximately 7:00 a.m.

For more information, contact Wilson Hall Building Manager Stan Boyson at x4753.

From *Science Beat*, August 27, 2004

ATLAS Reaches Out

The international ATLAS collaboration — numbering 1,800 participants from more than 150 universities and laboratories in 34 countries — recently reelected Michael Barnett of Berkeley Lab's Physics Division and Erik Johansson of Stockholm University as cochairs of the ATLAS education and outreach program. Their mission is to explain to a diverse audience — "everyone from high-school students to government science ministers," Barnett says — what kinds of science the ATLAS experiment was designed to explore and how it will do its job.

The ATLAS detector consists of an inner tracker to measure the momentum of each charged particle, a calorimeter to measure the energies carried by the particles, a muon spectrometer, and a magnet system.

[read more](#)