

## Calendar

### Tuesday, July 19

**12:00 p.m.** Summer Lecture Series - 1 West

Speaker: H. Prosper, Florida State University

Title: Cosmology

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

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

### Wednesday, July 20

THERE WILL BE NO FERMILAB ILC R&D MEETING THIS WEEK

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

BREAK - 2nd Flr X-Over

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

Speaker: H. Kirk, Brookhaven National Laboratory

Title: Research into Muon Cooling

## Weather



Sunny **88°/64°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## Material Control Celebrates Ten-Year Safety Record



Members of the Material Control Department pose with a 35,000 pound magnet, which represents the type of equipment they handle safely on a regular basis. (Left to right) (Top): Leslie Peters, Robert Riley, Gary VeZain, Paul Olderr, Oscar Lira, James Williams, Ted Beale, Rich Stanek, Associate Director for Accelerators Steve Holmes, (Middle) Paul Mayer, Steve Merkler, Linda Alsip, Beth Karau, (Bottom) Cliff Besch, Doug Kelley, John Zweibohmer, Gregg Kobliska, Marsha Schmidt, Mark Steinke, Bob Kephart.

Members of the Material Control Department (MC) in the Technical Division (TD), whose duties range from precision measurements to transporting the heaviest of equipment, have made it through ten years without a lost or restricted work day. They celebrated their accomplishment with a party on July 14, where each employee received a certificate, a hat from ES&H, and a warm congratulations from members of the TD leadership and the Directorate.

The Material Control Department handles most of the TD materials that come into the lab. "We receive everything from the nuts and bolts for a project to finished magnets weighing more than 30,000 pounds," explained Les Peters,

## Director's Corner

### A Forty Year Dream

The suggestion by Gerd Budker in 1967 on the cooling of hadron beams with electrons has been realized at Fermilab in a dramatic way. On the first trial — with the team leader Sergei Nagaitsev on vacation camping — the Fermilab Accelerator Division observed cooling of the antiprotons in the Recycler by a high-power electron beam. This achievement represents the culmination of nearly ten years of work at Fermilab. Electron cooling is a key ingredient in the future performance of the Tevatron and is essential for reaching its full discovery potential. The fact that this success was achieved ahead of the planned schedule speaks eloquently of the capabilities of the team in accelerator physics, technology development and project management, as well as its superb leadership and the competence of all the supporting elements across the laboratory. It is a landmark achievement in the science of particle accelerators.



Pier Oddone

## Tuesday, July 19

Tomato Bisque

Pesto Marinated Chicken Breast \$4.85

Burgundy Beef Tips \$4.25

Baked Fish Creole over Rice \$3.75

Grilled Chicken Caesar Wrap \$4.85

Supreme Pizza \$3.00

Rio Grande Taco Salads \$4.85

The Wilson Hall Cafe now accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) is now open. Call x4512 to make your reservation.

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Operations Manager for Industrial Building 4. "We route all the materials through our inspection group, and then we can either store the material or deliver it," which means the department must routinely handle items multiple times. MC is also in charge of the pool of magnet spares for the accelerator complex, and employees are always on-call to move these large devices if a magnet fails. Even so, there has not been a lost or restricted workday in the department for over a decade.

"When it comes to safety, we always take one job at a time and analyze it to see what kinds of hazards are involved," explained technician Doug Kelley. "Everyone's always looking out for each other, and it helps to have a caring management."

A key member of the MC leadership is department head Gregg Kobliska. "My philosophy is to aim for zero injuries, because unless you aim for zero, you won't get anywhere close," he explained.

The leaders of the Technical Division are quick to praise the department for their achievement. "[MC] is proof that you can do physical work, stressful work, and work requiring focus and concentration, and still do it in a safe manner," said Rich Stanek, Associate Head of TD.

*-Elizabeth Wade*

### In the News



The Electron Cooling Installation Team in front of the completed Pelletron accelerator at the MI-31 service building. Front Row (L-R): Jerry Nelson, Dan Assell, Jerry Leibfritz, Kermit Carlson. Back Row (L-R): Sharon Austin, Tom Regan, Wayne Johnson, Kelly Hardin, Bill Pritchard, Ron Kellett. (Click on image for larger version.)

### Accelerator Update

#### July 15 - July 18

- During this 72 hour period Operations established two store that provided the experiments with approximately 64 hours and 45 minutes of luminosity.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

### Announcements

**From *The University of Chicago Chronicle*,  
July 14, 2005**

**'Einstein's Revolutions' honors  
scientist's legacy**

By Steve Koppes

Three University scientists will discuss the theory of everything, the arrow of time, the subatomic world and other topics related to the work of Albert Einstein in a series of free lectures sponsored by the Illinois Humanities Council over the next three months.

The lecture series, titled "Einstein's Revolutions," began in June and commemorates the 100th anniversary of Einstein's miracle year, 1905, when, while working as a patent clerk in Switzerland, he published a set of papers describing ideas that have influenced all of modern physics.

[Read more](#)

**Third Thursday Lunchtime Cleanup on  
July 21**

There will be a Third Thursday Lunchtime Cleanup on July 21 from 11:45 a.m. to 1:30 p.m. Meet at the east ground floor entrance of Wilson Hall for transportation to the cleanup site. Cleanup gear will be provided. Hot dogs and refreshments will be served.

[more information](#)

**Scottish Country Dancing**

Scottish Country Dancing will meet Tuesday, July 19, in Ramsey Auditorium in Wilson Hall. Instruction begins at 7:30 p.m. and newcomers are always welcome. Most dances are fully taught and walked through, and you do not need to come with a partner. Dancing will continue in the Auditorium through the summer. Info at 630-840-8194 or 630-584-0825 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

[Upcoming Activities](#)