

Layoff Information

New information on Fermilab layoffs, including an [up-to-date Q&A section](#), appears on the [layoff Web pages](#).

Furlough Information

Information on the furloughs at Fermilab, which stopped May 31, 2008, is available on the [furlough Web pages](#).

Calendar

Tuesday, June 24

9 a.m. - 4:30 p.m.

[CMB Polarization: Theory and Foregrounds Workshop](#) - One West

12:30 p.m. (NOTE TIME)

[Summer Lecture Seminar](#) - One West

Speaker: T. Kroc, Fermilab
Title: Hadron Therapy

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

Wednesday, June 25

9 a.m. - 4:30 p.m.

[CMB Polarization: Theory and Foregrounds Workshop](#) - One West

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
4 p.m.

[Fermilab Colloquium](#) - One West

Speaker: L. Krauss, Case Western Reserve University
Title: Cosmology as Science: From Inflation to the Future

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

Feature

"Déjà Vu" movie time machine inspired by CDF detector



The fictional time machine from the movie "Déjà Vu." *Symmetry* magazine ran a [longer version of this story](#). *Image courtesy of Touchstone Home Entertainment*.

As Clark Cully watched the movie "Déjà Vu" with his parents, something about the movie's time machine--with its bright blue wedges of metal spewing a ring of wires--seemed eerily familiar.

As Denzel Washington crawled into the time machine to travel to the past, Cully leaped up and hit pause. "It's CDF! It's CDF!" he shouted.

Cully works as a physicist on Fermilab's CDF experiment.

When he enlarged the TV image of the time machine, there was the CDF logo on one of the wedges. "To really make that accurate a reproduction," Cully said, "you would have had to see the detector or the specs."

The film crew probably did.

Production designer Chris Seager said he first considered medical technology, such as an MRI scanner, as the model for a time machine. But the hardware seemed too small. He visited power plants, NASA's Jet Propulsion Laboratory, and the Cambridge High Energy Physics Laboratory looking for inspiration. It was the roundness of particle accelerators, and their raw display of wires and sensors, that caught his attention and provided the wanted feeling of evolving science.

"We wanted to keep things very much grounded and make it feel like the machine had come from a real laboratory," Seager said. "We found some fabulous references on the

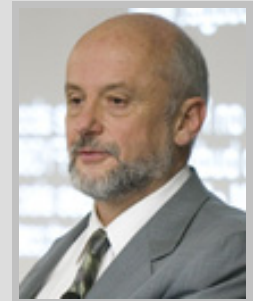
Director's Corner

Update

This is a brief update on the laboratory's budget and the status of layoffs.

The laboratory's budget continues at the Omnibus level of \$320M, which is \$52M below the President's budget request and below the plans we had made for FY2008. Last week the House of Representatives passed its new version of the Supplemental Appropriations bill for FY2008 with additional funding for science, including \$62.5M for the Department of Energy Office of Science. The bill will be taken up by the Senate later this week. The previous version of the Senate bill contained \$100M for the Office of Science. The Senate might choose to modify the House bill; in that case it would require negotiation with the House to reconcile the two bills. Once there is a bill approved by both the House and the Senate, it will go to the President for signature. Finally, if and when the bill becomes law and funding is made available to the DOE Office of Science, then we are likely to receive additional funding for Fermilab in FY2008. The amount is not yet determined. Language in the House bill gives priority to eliminating furloughs and layoffs and permits expenditure of funds on new neutrino initiatives, all very positive for Fermilab should the bill become law in its present House form. We are very appreciative of the efforts of our elected representatives in their efforts to increase funding for science in the nation.

In the present voluntary separation phase, 68 employees have applied for the program. Within a day they will receive notification if they will in fact be able to participate in the voluntary separation program. There are numerical caps on various groups of employees to maintain the ability of the groups to function properly. If the number of applications for voluntary separation exceeds the caps, then employees will be accepted for separation in order of seniority. We expect that only a handful of employees who have volunteered might be declined for the voluntary separation. I appreciate the many



Pier Oddone

Weather

 **Sunny**
82°/62°

[Extended Forecast](#)[Weather at Fermilab](#)**Current Security Status**[Secur Level 3](#)**Wilson Hall Cafe****Tuesday, June 24**

- Golden broccoli & cheese
- Southern style fish sandwich
- Coconut crusted tilapia
- Spaghetti w/turkey meat sauce
- La Grande sandwich
- Assorted slice pizza
- Chicken fajitas

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, June 25****Lunch**

- Tortilla crusted tilapia filet
- Lemon grass rice
- Vegetable of the season
- Apple pie w/ ice cream

Thursday, June 26**Dinner**

- Closed

[Chez Leon Menu](#)

Call x4598 to make your reservation.

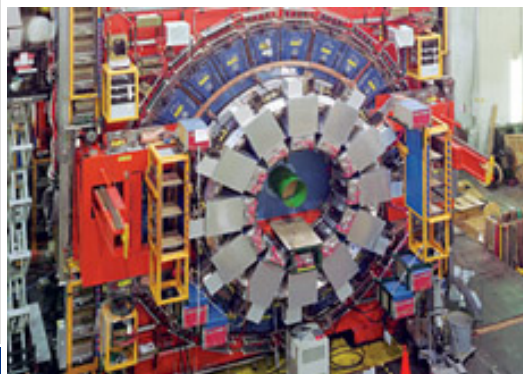
Archives[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

Internet to enormous pieces of equipment," and incorporated the look of those detectors.

While Cully burst with excitement at seeing the CDF in the movie, his family was more subdued.

His parents and sister looked confused. "They asked me, 'What's CDF?'" Cully says, with obvious disappointment. "I guess my family didn't remember the tour I gave them, or that I'm writing my thesis on it."

-- *Haley Bridger*



The CDF detector

Announcement**Science Adventure program registration ends today**

Your child can spend his or her summer learning about architecture, engineering, bugs, computer programming or even kitchen chemistry with Club Invention. The Fermilab Science Adventure program was developed by the National Inventors Hall of Fame. It will be taught by Fermilab teachers at the Lederman Science Center from 9 a.m. - 2:30 p.m. from July 7-11. This week-long program has one class for students in grades 1-3 and one for grades 4-6. Each class participates in three modules. View a full schedule and description of classes [online](#).

In the News

employees who have volunteered for this phase of the program; by doing so, they are helping attenuate the budgetary impacts on the laboratory and their fellow employees.

Before proceeding with the involuntary phase of the layoffs, we need to wait a couple of weeks to allow for resolution of the situation with the Supplemental bill. The higher-than-normal attrition rate earlier in the year and the significant number of employees who have volunteered for separation, together with additional funding from the Supplemental, should it materialize, raise the hope that we can sharply reduce, if not eliminate, the involuntary phase of layoffs. I regret that many of you continue to live with considerable uncertainty. At least there is hope now for a better outcome than we anticipated earlier in the year. In the meantime we can all take pride in the magnificent performance achieved in all aspects of the laboratory's work under these difficult circumstances.

Accelerator Update**June 20-23**

- Four stores provided ~62 hours and 38 minutes of luminosity
- TeV heat exchanger at B1 required cleaning
- MTest experiment T971 has reclaimed MT6
- Pbar suffers vacuum leak at AP-2

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements**[Have a safe day!](#)****Chez Leon will serve lunch on June 25**

The lunch schedule for Chez Leon has changed, and it will open for lunch on Wednesday, June 25. Call x4598 for reservations. (Wednesday's menu is on the left side of today's issue.)

Blood drive June 24, 25

Heartland Blood Centers will conduct a Fermilab Blood Drive on June 24 and 25 from 8:30 a.m to 2 p.m. in the Wilson Hall Ground Floor NE Training Room. Schedule appointments [online](#) or call Diana at x3771 or Margie at x5680. [More information](#). The last blood drive collected 83 units. Many thanks to all who donated.

Martial Arts Classes begin June 30

A new session of Kyuki-Do, a mixed-martial art that combines Taekwondo, Judo and

Fermilab Today

is online at:

www.fnal.gov/today/

Send comments and suggestions to:

today@fnal.gov

Earth 'not at risk' from collider

From *BBC News*, June 23, 2008

Our planet is not at risk from the world's most powerful particle physics experiment, a report has concluded.

The document addresses fears that the Large Hadron Collider is so energetic, it could have unforeseen consequences.

Critics are worried that mini-black holes made at the soon-to-open facility on the French-Swiss border might threaten the Earth's very existence.

But the report, issued by the European Organization for Nuclear Research, says there is "no conceivable danger."

The organization - known better by its French acronym, Cern - will operate the collider underground in a 27km-long tunnel near Geneva.

This Large Hadron Collider (LHC) is a powerful and complicated machine, which will smash together protons at super-fast speeds in a bid to unlock the secrets of the Universe.

Six "detectors" - individual experiments - will count, trace and analyze the particles that emerge from the collisions.

[Read more](#)

Hapkido, begins at Fermilab on June 30. Classes take place from 5-6 p.m. Monday and Wednesday at the Recreation Facility in the Village. The class costs \$45 per session. Sessions last six weeks. You will need to register through the Recreation Office and also have a Recreation Facility membership.

Fermilab pool memberships available for purchase

Memberships to the Fermilab pool will be sold Wednesday, June 25, and Friday, June 27, from noon to 1:30 p.m. on the west side of the Wilson Hall cafeteria. Membership rates are \$50 for students; \$75 for individuals; \$150 for a family; and \$300 for supporting members. Checks and cash only. See [Monday's Fermilab Today](#) article for tentative pool hours and more information.

Scottish Country Dancing Tuesday

Scottish Country Dancing will meet in Ramsey Auditorium Tuesday, June 25. 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. For more information call (630) 840-8194 or (630) 584-0825 or [e-mail](#).

[Additional Activities](#)