

## Calendar

### Tuesday, March 29

**11:00 a.m.** Special Particle Astrophysics Seminar (NOTE DATE & TIME) - Curia II  
Speaker: R. Crocker, Harvard University  
Title: Neutrons and Neutrinos from the Center of the Galaxy

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

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

### Wednesday, March 30

THERE WILL BE NO Fermilab ILC R&D Meeting THIS WEEK

THERE WILL BE NO Proton Driver General Meeting THIS WEEK

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

BREAK - 2nd Flr X-Over

**4:00 p.m.** Fermilab Colloquium - 1 West  
Speaker: J. Cronin, University of Chicago  
Title: Remembering Fermi

## Weather



Breezy **70°/50°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## Tevatron Achieves Record Integrated Luminosity

Accelerator operators achieved a record integrated luminosity of 21 pb<sup>-1</sup> for the week ending March 26. The previous integrated luminosity record was set during the week of June 21, 2004 with 18.6 pb<sup>-1</sup>. Last week, accelerator operators also achieved a new average initial luminosity of 1.17 E32 cm<sup>-2</sup>sec<sup>-1</sup>. The Antiproton Source set a new record stacking rate of 16.2 mA.

[View the Tevatron Luminosity Charts](#)

## Fermilab Achieves One Million Hours Injury Free

### ES&H Releases Safety Report

ES&H is proud to report that as of this morning, Fermilab has achieved 88 days without a lost time injury - well over the one million hours milestone. "It's gratifying to know the lab is sending employees home without injuries," said ES&H Section Head Bill Griffing. Every day the lab surpasses 75 days without a lost time injury, three employees are randomly selected by computer to

receive a Fermilab Polo shirt or ball cap. Employees can check the [Laboratory Safety Committee's Web site](#)

to see the latest winners.

This achievement coincides with the release of Fermilab's first Annual Environment, Safety and Health Plan. The eleven-page report highlights Fermilab's commitment to health and



Mike Ziomek of the Accelerator Division is one of the recent polo shirt winners.

## Director's Corner

### Good Morning!

The DOE Tevatron operations review begins today. This review represents a merger of two reviews from last year: the DOE review of the Run II accelerator campaign and the operations review.



Mike Witherell

Last year we were able to report to the accelerator review that Tevatron performance was doing well. We had just had a record week of 13 pb<sup>-1</sup> integrated luminosity and had just achieved a record initial luminosity of 60 x 10<sup>30</sup> cm<sup>-2</sup> s<sup>-1</sup>. In addition, we were somewhat ahead of the design curve for integrated luminosity.

We can again present record performance at today's review, with records almost a factor of two better than those reported at last year's review. The Tevatron delivered an integrated luminosity of 21 pb<sup>-1</sup> to each experiment for the seven days ending Sunday. On March 21, the operations crew set a new record initial luminosity of 117 x 10<sup>30</sup> cm<sup>-2</sup> s<sup>-1</sup>. The integrated luminosity delivered to each experiment so far this fiscal year is about 190 pb<sup>-1</sup>, a little ahead of the design curve. Congratulations to all of the people who have contributed to the progress made in the last year.

Unfortunately, we did suffer a setback in the neutrino program last week. On March 23 a water leak developed in the

## Tuesday, March 29

Tomato Bisque

Pesto Marinated Chicken Breast \$4.75

Burgundy Beef Tips \$4.25

Baked Fish Creole over Rice \$3.75

Grilled Chicken Caesar Wrap \$4.75

Supreme \$2.75

Rio Grande Taco Salads \$4.75

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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safety excellence and establishes a vision to be "Best in Class" among U.S. national laboratories. The report was prepared using input from each division and section and lays out a plan for employee, subcontractor and user safety. "With the decline in injuries, it's getting more and more difficult to improve," said Griffing. "But when it comes to safety, we can never accept that we are doing good enough." The report is [available online](#).  
- *Eric Bland*

### Accelerator Update

#### March 25 - March 28

- During this 72 hour period Operations established 3 stores that combined with an existing store provided approximately 62 hours and 20 minutes of luminosity to the experiments  
- BRF16 proved troublesome all weekend  
- KRF6 LCW leak caused minor problem

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

### In the News

#### FYI: AIP Bulletin of Science Policy News, March 28, 2005

##### Chairman Boehlert Looks Ahead at Science Budgets

Earlier this month House Science Committee Chairman Sherwood Boehlert (9R-NY) addressed the Consortium for Oceanographic Research and Education (CORE). As is his style, Boehlert offered candid remarks on the outlook for science and technology funding in FY 2006. Selections from the chairman's remarks follow.

[read more](#)

NuMI target, temporarily shutting down the neutrino beam to MINOS. The beam commissioning effort had made great progress up to that point. The Accelerator Division is still developing the recovery plan, and I will tell you more about it when we know more.

### Announcements

#### Unix Users Meeting

The next Unix Users Meeting will be on Wednesday, March 30 at 1:00 p.m. in Curia II. The agenda consists of a security update from Mark and Joe and Linux updates from Connie and Troy.

#### Budker Seminar Series

The next Budker Seminar will be on Tuesday, March 29 at 5:30 p.m. in the Users' Center Music Room. Pavel Snopok will present, "High Order Simulations & Studies of the Tevatron Optics" Beverage & Pizza will be served at 5:30 p.m.

#### Watch Einstein While You Eat

The video, "Einstein's Unfinished Symphony" will be shown in 1 West on Wednesday, March 30 at noon. All welcome; eating permitted!

#### Fermilab Childrens Summer Day Camp Deadline to Register is March 30

The Fermilab Summer Day Camp consists of Fermilab children ages 7 through 12. Day Camp is offered in three, three-week sessions: Session I: June 13 - July 1, Session II: July 5- July 22, Session III: July 25 - August 12. The program is held in the lower level of the Kuhn Barn in the village from 7:30 a.m. - 5:30 p.m. Admission is made through a lottery held on the last weekday in March. You can choose any or all of the sessions. The fee for each Day Camp session is \$265.00

## From *The Chicago Tribune* Miracle Year

*It still staggers the mind: 5 papers in 6 months that would unlock some of the mystery of the universe and change our lives forever.*

By Ronald Kotulak

After meticulously measuring the Earth's spin for 11 years, two satellites recently confirmed something straight out of weird science--the warping of space and time.

The Earth's rotation drags space and time with it, like molasses pulled around by a spinning bowling ball. Satellites embedded in that whirling space are swept along at a slightly faster rate. But the same stretching of space causes time to travel farther, making it slow down a smidgen.

[read more](#)

per camper. A \$100.00 deposit per session per camper must accompany the registration form. Registrations will be accepted until 5:00 PM on March 30. An information Booklet and registration form can be found on the [Recreation Website](#), Recreation Office, Users Office and the Housing Office.

### Travel Information Rack

Along with their discount rack, the Recreation Office collects travel brochures for Illinois and other states in the U.S. These can be found in the Travel rack in the Recreation Office. The brochures may be borrowed, but please return them when you are done so that others can use them.

[Upcoming Activities](#)