

Calendar

[Have a safe day!](#)

Monday, Sept. 21
 THERE WILL BE NO
 PARTICLE ASTROPHYSICS
 SEMINAR THIS WEEK
 3:30 p.m.
 DIRECTOR'S COFFEE
 BREAK - 2nd Flr X-Over
 4 p.m.
 All Experimenters' Meeting -
 Curia II
 Special Topic: Ni₃Sn-Magnet
 Construction Breakthrough

Tuesday, Sept. 22
 3:30 p.m.
 DIRECTOR'S COFFEE
 BREAK - 2nd Flr X-Over
 THERE WILL BE NO
 ACCELERATOR PHYSICS
 AND TECHNOLOGY
 SEMINAR TODAY
 4 p.m.
[Extreme Beam](#)- Physics at the
 Intensity Frontier Lecture
 Series - One West
 Speaker: Ikaros Bigi,
 University of Notre Dame
 Title: Come Botticelli Nella
 Sistina – On The Beauty of
 Charm

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

Campaigns

[Take Five](#)

[Tune IT Up](#)

Weather

From *symmetry breaking*

Shutdown, startup put Tevatron back in business



Alignment crew members Randy Wyatt, Scott McCormick and Gary Crutche calibrate newly replaced Tevatron magnet during the 2009 shutdown.

The first particle collisions last week signaled that the Tevatron, the world's highest-energy proton-antiproton collider, is back in business.

After 11 weeks of maintenance, repairs, upgrades and testing, followed by a few weeks to bring equipment back on line and cool down, the Accelerator Division brought the Tevatron back into action. Collisions began last Wednesday and continue through today, gradually ramping up in luminosity.

"This proved that everything worked," said Bob Mau, Accelerator Division Operations Department head. "It was the best startup that we ever had."

During the course of the shutdown, which began June 14, crews of technicians, engineers, and physicists installed 32 Booster corrector magnets, warmed up and fixed leaks in nine Tevatron cryogenic houses, added infrastructure and buildings to house equipment for an upgrade to the Main Injector for future neutrino projects. They replaced six Tevatron magnets and completed many other tasks.

Although he hasn't compiled all of the statistics yet, John Anderson, Accelerator Division senior safety officer, said crews did an excellent job of getting their work done safely.

"We had a few injuries, but considering the

ES&H Tips of the Week - Safety

Collisions can be a dark matter



To stay safe when riding at night, follow a few simple principles, such as wearing brightly colored clothing and staying to the right when riding at night. *Image courtesy of Ingo A. Joppich @ www.sxc.hu*

A couple of weeks ago, two graduate students on bicycles collided as they travelled in opposite directions on Fermilab's bike path around 9 p.m.

One of the two students wound up with a broken nose and spent time in a local emergency room. As the days shorten, we can avoid unexpected encounters while traveling in the dark by adhering to a few simple principles:

- Maintain separation - Where available, use designated paths for walking, jogging or biking. Stay well to the right when using those paths or trails. When operating a vehicle, stay at least three feet from pedestrians and bicyclists.
- See – Make sure you have adequate lighting on your bicycle or person to avoid hitting stationary objects or colliding with another person, and keep an eye on the travel surface. You should also watch for motion, scan the area rather than just stare, and look for silhouettes in dim backlighting.
- Be seen – Wear brightly colored clothing. Use lights and reflectors and wear reflective apparel. Position brighter items to best portray your motion to observers.
- Behave predictably – You are less likely to collide with another person when you move as people expect. When you move unpredictably, you increase the

 Chance of light rain
74°/61°

[Extended Forecast](#)
[Weather at Fermilab](#)

[Current Security Status](#)

[Secou Level 3](#)

[Wilson Hall Cafe](#)

Monday, Sept. 14

- Italian minestrone
- Patty melt
- Baked chicken enchiladas
- Herbed pot roast
- Chicken melt
- Assorted sliced pizza
- Szechwan green bean w/ chicken

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Wednesday, Sept. 23

- Lunch
- Stuffed filet of sole
 - Green rice
 - Steamed broccoli
 - Apple turnovers

Thursday, Sept. 24

- Dinner
- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

[Archives](#)

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[CMS Result of the Month](#)

[User University Profiles](#)

[ILC NewsLine](#)

length of the shutdown and the complicated work that we did, I think we did well," Anderson said. "We also did a lot of planning to keep radiation doses for all workers as low as reasonably achievable, and those doses came in on the initial estimate."

Although Fermilab has certainly had long shutdowns in the past, this one, involved more work than any previous shutdown. The Accelerator Division welcomed volunteers from other Fermilab sections and divisions and hired contractors to help.

[Read more](#)

-- *Rhianna Wisniewski*

Special Announcement

Flu shots available for high risk employees Oct. 1

Fermilab's Medical Office will offer flu shots for high risk employees on Thursday, Oct. 1, in the ES&H training room on Wilson Hall's ground floor, east side.

Employees are eligible to receive the flu vaccination for free if they are considered active, full-time, regular or term/temporary and fall into one of the following high risk categories:

- Age 65 or older.
- Have chronic medical conditions, such as heart disease, asthma, other chronic disorders of the pulmonary or cardiovascular systems, diabetes, kidney disease, blood disorders or weakened immune system, including HIV/AIDS.
- Have had long-term steroid treatment or cancer treatment with radiation or drugs.
- In a position to transmit flu to those at high risk.

Contractors, family members of employees, visitors/experimenters, seasonal employees, dayworkers/on-call and retirees are not eligible to receive flu shots at Fermilab. Those individuals can check with their local pharmacies, health care providers or nursing associations for flu shot availability.

Women who are or may be pregnant must bring a doctor's note in order to get a flu shot.

To receive a flu shot, qualified employees must register ahead of time using online through the [ES&H Web site](#) or by calling the Medical Office at x3232.

likelihood that other people will make poor decisions or will be unaware of your presence.

-- *Tim Miller, ES&H associate head*

[Safety Tip of the Week Archive](#)

[In the News](#)

Interview with CERN Director General Rolf Heuer

From *Physics World*, Sept. 11, 2009



[Click here to see the YouTube video.](#)

Physics World editor Martin Durrani interviewed CERN Director General Rolf-Dieter Heuer about the LHC restart, the next steps for the LHC experiments and Heuer's plans for CERN. [Watch](#) the 10-minute video by clicking on the image.

[Shutdown Update](#)

Sept. 16-18

- Two stores provided ~21.75 hours of luminosity
- Booster notcher fixed
- NuMI kicker repaired
- MI-40 vacuum improving
- MiniBooNE beam will turn off on Monday morning for vacuum work

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

[Announcements](#)

Info

Employees must present the signed consent form at the time of vaccination.

Fermilab Today

is online at:

www.fnal.gov/today/

Send comments and suggestions to:

today@fnal.gov

Visit the Fermilab

[home page](#)

The Medical Office will schedule vaccinations for the general (non-high risk) Fermilab workforce pending shipment of vaccine.

[Fermi Kyuki-Do martial arts - next session begins today](#)

[Argentine Tango through Sept. 30](#)

[Bowlers wanted Wednesday nights](#)

[Thai Village restaurant discount](#)

[Tai Chi class moves to Thursdays](#)

[New Lo Cardio Class - Sept. 14 - Nov. 16](#)

[New Tai Chi For Health class - Sept. 14 - Nov. 16](#)

[Six Flags Great America discount tickets](#)

[Sign up for fall Science Adventures classes](#)

[Office 2007 New Features class offered in September](#)

[Buttered Rum performs on Fermilab Arts Series Oct. 24](#)

[Fred Garbo Inflatable Theatre - at Fermilab Arts Series - Nov. 7](#)

[Process piping \(ASME B31.3\) class offered in October and November](#)

["The Night Before Christmas Carol" at Fermilab Arts Series - Dec. 5](#)

[Additional Activities](#)

[Submit an announcement](#)