

Calendar

[Have a safe day!](#)

Monday, June 29
11 a.m. - 1:30 p.m.
ES&H Fair - Atrium
2:30 p.m.

[Particle Astrophysics Seminar](#)

- Curia II
Speakers: Bruce Winstein,
University of Chicago, Todd
Gaier, NASA Jet Propulsion
Laboratory, Hogan Nguyen,
Fermilab

Title: The QUIET CMB
Polarization Analyzer Module
3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over
THERE WILL BE NO ALL
EXPERIMENTERS' MEETING
THIS WEEK

Tuesday, June 30
12 p.m.

[Summer Lecture Series](#) - One

West (NOTE LOCATION)
Speaker: Gaston Guitierrez,
Fermilab

Title: Top, Higgs, and
Searches at the Tevatron
3:30 p.m.

DIRECTOR'S COFFEE

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

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

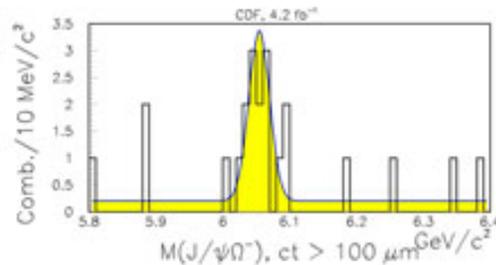
Campaigns

[Take Five](#)

[Tune IT Up](#)

Fermilab Press Release

Fermilab's CDF observes Omega-sub-b baryon



The CDF collaboration has observed 16 Omega-sub-b candidates in the data collected through October 2008. Scientists measured the mass of the Omega-sub-b to be $6054.4 \pm 6.8 \text{ MeV}/c^2$.

At a recent physics seminar at the Department of Energy's Fermi National Accelerator Laboratory, Fermilab physicist Pat Lukens of the CDF experiment announced the observation of a new particle, the Omega-sub-b (Ω_b). The particle contains three quarks, two strange quarks and a bottom quark (s-s-b). It is an exotic relative of the much more common proton and has about six times the proton's mass.

The observation of this "doubly strange" particle, predicted by the Standard Model, is significant because it strengthens physicists' confidence in their understanding of how quarks form matter. In addition, it conflicts with a 2008 result announced by CDF's sister experiment, DZero.

The Omega-sub-b is the latest entry in the "periodic table of baryons." Baryons are particles formed of three quarks, the most common examples being the proton and neutron. The Tevatron particle accelerator at Fermilab is unique in its ability to produce baryons containing the b quark, and the large data samples now available after many years of successful running enable experimenters to find and study these rare particles. The observation opens a new window for scientists to investigate its properties and better understand this rare object.

[Read more](#)

ES&H Tips of the Week - Safety

Keep safety the first thought during shutdown



[Practicing proper hand safety by wearing protective gloves can prevent injuries.](#)

Two weeks into the shutdown, things have run smoothly and people have mostly avoided injury. We want that to continue.

In the Accelerator Division, we have set a goal of zero injuries for the shutdown, a high bar considering the work is taking place with roughly half the number of technicians used during the 2007 shutdown.

During the 2007 shutdown, workers received seven injuries. All of them could have been prevented. While we plan to complete the shutdown in September, keeping people safe is more important than sticking to the schedule. To shut out injuries, we must watch equipment and each other.

A lot of people helping in the shutdown are unaccustomed to working in the accelerator complex and facing unconventional safety hazards. The Booster and Main Injector will be particularly crowded during parts of the 11-week shutdown.

While employees and contractors conducting shutdown work are more exposed to potential hazards, everyone needs to be cautious in work areas. Excavation work for the Main Injector Neutrino Upgrade project is taking place near MI-40 on the Main Injector Road. That is a blind curve, so drivers should slow down near that area.

Weather

Chance of showers
78°/56°

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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Monday, June 29

- 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, July 1

Lunch

- Pork satay
- Jasmine rice
- Peapods
- Coconut cake w/ caramel sauce

Thursday, July 2

Dinner

- Fresh mozzarella, tomato & basil salad
- Crusted shrimp w/ saffron sauce
- Latin fried rice
- Pineapple upside cake

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

Feature

ES&H Safety Fair today offers tips and cool stuff



By dropping your name into the lime green coffee cans throughout the Safety Fair during lunch today, you can win one of 13 prizes, some of which are pictured here.

Psst! Do you want free summer stuff such as a grill, rain barrel and severe weather alert radio?

All you have to do is stop by the inaugural Environment, Safety and Health Fair today at lunch time in the Wilson Hall atrium to try your hand at winning one of 13 items raffled off by ES&H.

As you peruse information about the laboratory's summer exercise program, [Accelerate to a Healthy Lifestyle: Exercise](#) (pdf), and [Take Five](#) safety initiative as well as common summer hazards such as road trip accidents, sun burns and lightning, you will find lime green coffee cans to put your name in for prize drawings. Most information tables also will offer miniature-sized freebies such as sunscreen, sanitizers, peanuts and snack bars.

You can also brush up on your safety knowledge and listen to three speakers: [Shawna Coronado](#), an environmental and health columnist and author of "Gardening Nude"; Jim Allsopp, warning coordination meteorologist for the Chicago National Weather Service Forecast Office and an annual participant at Tom Skilling's [Tornado Seminar](#); and Dennis Anderson from the [Illinois Department of Transportation](#).

Anderson will discuss how to stay safe on family road trips or when riding a motorcycle. He'll also have "drunk" goggles, which simulate vision impairment caused by drinking alcohol, to demonstrate slowed reaction time.

Human performance studies report that on average people make five mistakes an hour. A job plan, attention to detail and stopping to think about the consequences of your task and those around you can help minimize your risk and chance of making mistakes.

Here are some tips to help workers avoid the most common safety risks:

- Ask for help lifting objects.
- Wear proper personal protective equipment.
- Use the correct tool for the job.
- Report all problems and safety hazards immediately.
- Do a hazard analysis for even simple tasks.

We have a lot to do in a short time so we are going to have to be more careful than ever. It is just as important to meet the safety goals as the physics goals.

-- Roger Dixon, Accelerator Division head

[Safety Tip of the Week Archive](#)

Photo of the Day

New employees



New employees who began work at Fermilab on June 8. Bottom row: Eric Shinn, Samantha Koch, Zhou Wei Chao, James Pan, Chris Marshall and Maria Belen Gasser. Row two: Anderson West, Patrick V. Koeller, Mike Alber, Albert Beutler, Kiayre Wilkins, Vesselin Velev and Giuseppe Gallo. Row three: Philip Scherer, Michael Szuba, Ian Dimayuga, Andrew Rauchmiller and Matt Wiesner.

Announcements

[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[User University Profiles](#)[ILC NewsLine](#)[Info](#)

Fermilab Today
is online at:

www.fnal.gov/today/

Send comments and
suggestions to:

today@fnal.gov

Visit the Fermilab
[home page](#)

Many of Fermilab's Senior Safety and Environmental Officers will be on hand to introduce themselves.

ES&H staff hopes to make the fair an annual event.

"We thought the fair was a better way of communicating with people than just putting up a poster," said ES&H's Minnie Koch. "We want everyone to be safe today and learn to be aware of their surroundings so that they remain safe everyday whether at work or at home."

ES&H will post most of the information from the event on its [Web page](#) so you don't have to lug pamphlets back to your office with all your free stuff.

-- Tona Kunz

[In the News](#)**Invent, invent, invent**

From **New York Times** column,
June 27, 2009

I was at a conference in St. Petersburg, Russia, a few weeks ago and interviewed Craig Barrett, the former chairman of Intel, about how America should get out of its current economic crisis. His first proposal was this: Any American kid who wants to get a driver's license has to finish high school. No diploma — no license. Hey, why would we want to put a kid who can barely add, read or write behind the wheel of a car?

Now what does that have to do with pulling us out of the Great Recession? A lot. Historically, recessions have been a time when new companies, like Microsoft, get born, and good companies separate themselves from their competition. It makes sense. When times are tight, people look for new, less expensive ways to do old things. Necessity breeds invention.

[Read more](#)

Latest Announcements

[Free Webinar on car buying, July 8](#)

[Environmental Safety and Health Fair today](#)

[Volunteers needed for Fermilab Prairie Quadrat Study Tuesday](#)

[Reminder: Changes to FTL system](#)

[Time to complete accomplishment reports](#)

[Arrowhead golf league hole-in-one](#)

[Bristol Renaissance Faire discount tickets](#)

[On-site housing-fall 2009/spring 2010](#)

[Six Flags Great America discount tickets](#)

[Pool memberships available in the Recreation Department](#)

[Interaction Management and Performance Review courses scheduled for summer 2009](#)

[Discount for SciTech Summer Camps - July 6](#)

[Introduction to LabVIEW - July 8 and Dec. 8](#)

[MATLAB software tools 75 percent off for Fermilab - July 15](#)

[Intermediate/Advanced Python Programming July 22-24](#)

[Outlook 2007: New Features class Aug. 6](#)

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

[Additional Activities](#)

[Submit an announcement](#)