

Calendar

Tuesday, Nov. 25
3:30 p.m.
DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY
5 p.m.
Director's volunteer award - -
2nd Flr X-Over

Wednesday, Nov. 26
THERE WILL BE NO
DIRECTOR'S COFFEE
BREAK TODAY
THERE WILL BE NO
FERMILAB COLLOQUIUM
THIS WEEK

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

Weather



Sunny
37°/23°

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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Tuesday, Nov. 25
- Chicken & rice soup
- *Low carb burger
- Beef stroganoff
- Smart cuisine: chicken lemon
- Peppered beef
- Assorted sliced pizza
- Chicken tostada

*Denotes carb-restricted
alternative

[Wilson Hall Cafe Menu](#)

Chez Leon

From *symmetry* magazine

Where old physics stuff goes to live



Fermilab's boneyard is a recycling center for old equipment and pieces of experiments.

Editor's note: The new issue of *symmetry* magazine is now [online](#).

Hidden from view by old willow trees, the cast-off tools of high-energy physics are strewn across 11 acres: rejected cables, tables with missing limbs, and computers that couldn't keep pace. Swallows nest in rusty magnet frames, raccoons pillage through buckets of bolts, and coyote pups hide from the wind under a metal plate painted with the American flag.

Many laboratories and universities lack the space to store old equipment and scrap, so Fermi National Accelerator Laboratory takes it in. "I just hate to see stuff get melted down when it doesn't have to be," Todd Wagner says. "Sooner or later, somebody is going to come out here and need it. There's enough talent at this lab here that we can find a use for anything."

Wagner oversees the Fermilab boneyard—a recycling center for experimental components that might otherwise end up in a landfill. Scientists adapt these pieces for other experiments—some for short terms, others permanently. Sometimes, to his dismay, Wagner can't find a good home for a part and must recycle it for a new life in consumer goods.

"The name of the yard—boneyard—is misleading," Wagner says. "You hear 'bone' in the title and you think it's where stuff comes to die. I like to think the opposite—that it's where items get reborn."

Director's Corner

Important workshops

Last week was dominated by several workshops of importance for the future programs of the laboratory. The Project X workshop took place Friday and Saturday to organize the collaboration on Project X and to refine the plans for the R&D program. Nearly 150 participants from all the national laboratories with accelerator expertise, from international laboratories like CERN, Japan's KEK and the UK's Cockcroft Institute, and from Fermilab participated in the lively sessions. Indian institutions representing our growing collaboration and shared interest in high-intensity proton machines participated through the Web. Project X presents many interesting accelerator challenges, because it involves a superconducting linac, a storage ring and synchrotrons, all of which must operate at very high intensities. In the summary sessions on Saturday I was impressed with the level of expertise and by the many contributions that the different laboratories propose to make to move the project forward. The workshop was an important and enthusiastic step in forming a broad collaboration.



Pier Oddone

Last week, the Linear Collider World Study meeting for 2008, LCWS08, took place in Chicago at the new conference facility of UIC. Fermilab and Argonne, together with six local universities (Chicago, Northwestern, IIT, NIU, UIUC and UIC), sponsored the workshop for ILC detector physicists. Well over 300 participants from all over the world took part in the week-long meeting. The Global Design Effort also used the opportunity to bring together the physicists working on the accelerator side of the ILC. It is remarkable to see the energy of this world-wide collaboration that is carrying out the R&D program and the designs for the accelerator and the detectors. I gave a talk on the contributions that Fermilab is making to the ILC program, contributions that are quite significant despite the vicissitudes of funding we suffered last year. The alignment between Project X and the ILC will help move both projects forward and position Fermilab well to contribute to an

Wednesday, Nov. 26

Lunch

- Cheese fondue
- Marinated vegetable salad
- Mixed berry parfait

Thursday, Nov. 27

Dinner

- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

[Archives](#)

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[ILC NewsLine](#)

[Info](#)

[Fermilab Today](#)

is online at:

www.fnal.gov/today/

Send comments and suggestions to:

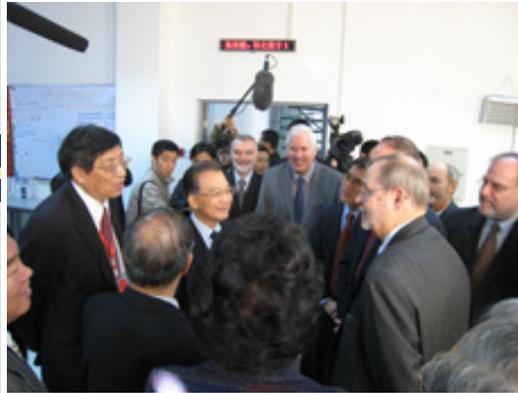
today@fnal.gov

[Read more](#)

-- Jennifer Johnson

[In the News](#)

Chinese premier commends US/China collaboration



Premier of China Wen Jiabao meets the U.S. delegates at IHEP

From *symmetrybreaking*, Nov. 20, 2008

The 29th annual meeting of the US/People's Republic of China Joint Committee on High Energy Physics had an unexpected guest this year. On Nov. 4, the Premier of China, Wen Jiabao, visited the Institute of High Energy Physics in Beijing and met the US delegates. Premier Wen congratulated IHEP on their recently completed upgrade of the Beijing Electron Positron Collider. He also emphasized the importance of collaboration between the two nations.

"Premier Wen voiced appreciation for the strength and longevity of the collaboration," said Jerry Blazey, a member of the US delegation from the Department of Energy. "He expressed a desire for continued and broadened collaborations and cited the efforts as a leading example of broader Sino-American relations."

[Read more](#)

[In the News](#)

eventual ILC.

The third workshop brought together the CMS collaboration to plan the future upgrades for the detector. The LHC program remains the highest priority effort for the U.S. community. This workshop had broad international participation since it dealt with all the upgrades to CMS in two phases for an ultimate capability to handle a luminosity ten times the original LHC design. Fermilab will support CMS upgrades, in particular those that the U.S. community will tackle. Given the time scales for any new project that has to run the gauntlet of DOE order 413.3 (Project Management Order) and then get placed on a proposed budget to Congress, the workshop was "just in time".

[Special Announcement](#)

"The Atom Smashers" airs on PBS tonight

"The Atom Smashers," a documentary on Fermilab's race to find the Higgs boson and other physics beyond the Standard Model will air at 10:30 p.m. CST Tuesday on the PBS show, "Independent Lens". View more information on the film [here](#).

[Accelerator Update](#)

Nov. 21-24

- Five stores provided ~59.25 hours of luminosity
- Booster backup LCW return pump brought online
- MTA takes commissioning beam
- MI LCW 3-way valve problems
- Store 6589 set second highest luminosity

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

[Announcements](#)

Atom Smashers on TV

From *MSNBC Cosmic Log* ,
Nov. 24, 2008

Can the movies turn real-life physicists into stars? "The Atom Smashers," airing Tuesday on *PBS*, packs a lot of real life into its saga about the world's biggest subatomic quest - plus a bit of movie magic.

The documentary, which has been making the film-festival rounds for weeks, focuses on the years-long effort at Fermilab's Tevatron particle collider to find the Higgs boson - a.k.a. the "God Particle" - and other exotic subatomic phenomena.

The quest is in its latter days at Fermilab in Illinois, and Europe's Large Hadron Collider is due to begin the quest next year - that is, after scientists spend a winter of discontent repairing the damage done shortly after the LHC's startup.

The LHC looms as an off-stage character throughout the film - in fact, one scene shows a digital countdown clock at Fermilab, ticking down toward the LHC's scheduled turn-on. Will America's Fermilab find the Higgs before Europe's collider enters the chase? Will shrinking budgets in Washington cut Fermilab's run short?

[Read more](#)

[Have a safe day!](#)

[Focus group invitations](#)

[Director's volunteer award today](#)

[Annual Enrollment through Dec. 10](#)

[No International Folk Dancing on Thanksgiving, resumes Dec. 4](#)

[Are you in the SPIRES HEPNames database?](#)

[Fidelity representative at Fermilab Dec. 3](#)

[Education Office Holiday Sale, Dec. 3 & 4](#)

[Annual enrollment carrier meetings Dec. 4, 9](#)

[International Folk Dancing, Dec. 4](#)

[NALWO - Winter Holiday Tea, Dec. 5](#)

[FileMaker Pro 8.0 - Dec. 10](#)

[NALWO - Christkindlmarket Chicago, Dec. 13](#)

[The University of Chicago Tuition Remission Program deadline Dec. 17](#)

[Submit an announcement](#)

[Additional Activities](#)