

## Calendar

**Fri., June 15**
**1:00 p.m.**

Special Joint Experimental-Theoretical Physics Seminar - One West

Speaker: E. de la Cruz Burelo, University of Michigan, Ann Arbor

Title: First Observation of a New b-baryon  $\Xi_b$  at DZero:

Celebrating 30 Years of Beauty at Fermilab

**Followed by (~2:15 p.m.)**

Special Joint Experimental-Theoretical Physics Seminar - One West

Speaker: D. Litvintsev, Fermilab

Title: Observation of a New b-baryon  $\Xi_b$  at CDF

**3:30 p.m.**

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over

**4:00 p.m.**

Joint Experimental-Theoretical Physics Seminar - One West

Speaker: J.-P. Kneib, Observatoire Midi-Pyrenees

Title: Mapping Dark Matter in the Universe with Gravitational Lensing

**8:00 p.m.**

[Fermilab International Film Society](#) - Auditorium

Tickets: Adults \$5

Title: The Life Aquatic with Steve Zissou

**Mon., June 18**
**2:30 p.m.**

Particle Astrophysics Seminar - Curia II

To Be Announced

**3:30 p.m.**

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over

**4:00 p.m.**

All Experimenters' Meeting - Curia II

Special Topics: Antiproton Source Status; Shutdown Power Outages

## Special Announcement

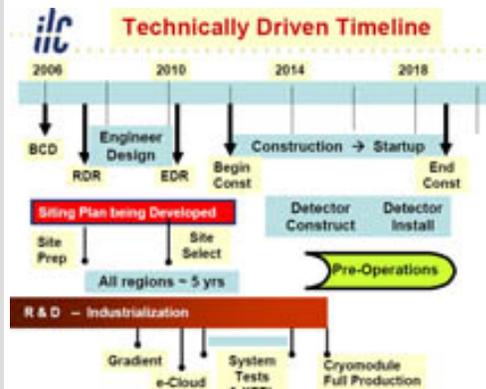
### Back-to-back seminars on new baryon today in One West

The DZero and CDF collaborations will present their results on a new particle, called cascade b, in two special seminars scheduled for this afternoon at 1 p.m. in One West.

Physicist Eduard De La Cruz Burelo, University of Michigan, Ann Arbor, will present the results that DZero submitted to Physical Review Letters on Tuesday. The title of his talk is "First observation of a new b-baryon,  $\Xi_b$ , at DZero: Celebrating 30 Years of Beauty at Fermilab." His presentation will immediately be followed by Dmitry Litvintsev, Fermilab, who will present cascade b results obtained by the CDF collaboration in a talk titled "Observation of a new b-baryon,  $\Xi_b$ , at CDF."

## ILC Newsline

### Director's Corner: A technically driven timeline for the ILC

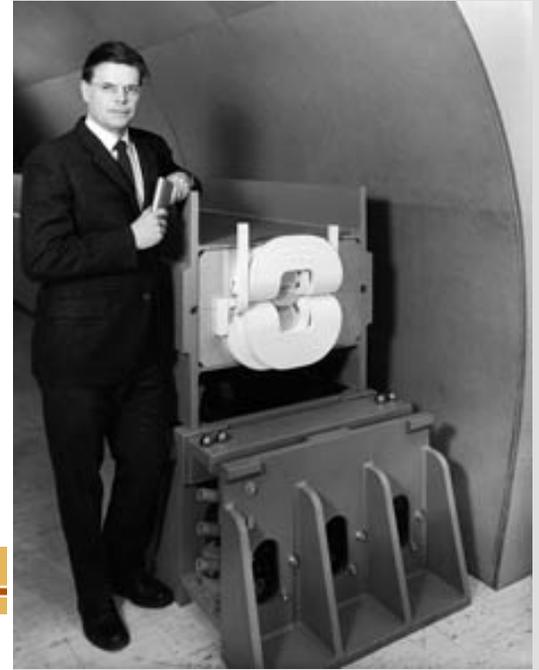


A technically driven timeline for the ILC

Last week, I made a presentation at Fermilab's 40th Annual Users Meeting where I focused on the GDE's technically driven timeline for the ILC. Following Ray Orbach's statement that the ILC completion will likely be delayed until 2025 or later, Fermilab has undertaken a study to develop a strategic plan for the laboratory that takes into account a possible stretched out schedule for the ILC. Young-Kee Kim, deputy director of Fermilab, is leading the study with a goal of producing recommendations later this summer. In the context of this study, I decided it was important for me to lay out the basis of our

## Milestone

### 40th Anniversary of NAL operations today



Robert Wilson stands with the model of the accelerator, which was built in the Oak Brook office of the National Accelerator Laboratory.

On June 15, 1967, a group of people gathered in front of a high-rise building in Oak Brook. They were the first employees of the National Accelerator Laboratory, eager to flush out the plans for the new accelerator, which would eventually be built where Fermilab now stands.

Shortly after Robert Rathburn Wilson's appointment as the director of NAL in March of 1967, planning operations for the accelerator began at Cornell University. From there, operations moved to the top floor of the high-rise building at 1301 West 22nd Street, where they remained until access was available two years later.

Wilson did not let the small space hinder planning operations. He commissioned a model of what the accelerator magnets and tunnel would look like and built them at the Oak Brook site.

In his Golden Book, "Starting Fermilab: Some Personal Viewpoints of a Laboratory Director (1967-1978)," Wilson wrote about the

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

### Weather

 sunny 90°/69°

### Extended Forecast

### Weather at Fermilab

### Current Security Status

### Secon Level 3

### Wilson Hall Cafe

#### Friday, June 15

- New england clam chowder
- Black & blue cheese burger
- Mardi gras jambalaya
- Swedish meatballs
- Bistro chicken & provolone panini
- Assorted pizza slices
- \*Carved top round of beef

### [Wilson Hall Cafe Menu](#)

### Chez Leon

#### Wednesday, June 20

##### Lunch

- Arranchera al carbon - Roasted red Peppers - Warm tortillas - Pico de gallo - Black bean & corn salad - Coconut rice pudding

#### Thursday, June 21

##### Dinner

- Shrimp & chorizo kebobs
- Pork tenderloin w/ mexican chipotle marinade
- Sweet potatoes & poblano peppers
- Rum raisin soufflé

### [Chez Leon Menu](#)

Call x4598 to make your reservation.

### Archives

GDE project timeline.

We do not have a true project "schedule" at this time and won't have one until we complete the ILC engineering design in 2010.

Nevertheless, we have studied the critical path for the project and as a result put together what we believe are the main elements of a technically driven "timeline."

### [Read more](#)

-- *Barry Barish*

### Feature

## Cicadas: Ugly, but harmless



A young cicaga sits on Roads and Grounds employee Dave Shemanske's hand.

Every 17 years they come, emerging from their dark, underground homes to meet, mate and make a lot of noise. Although they might look frightening, with their glowing red eyes and locust-like bodies, cicadas are relatively harmless.

"They aren't dangerous, they are just a nuisance," said Bob Lootens of Roads and Grounds.

Brood XIII cicadas arrived weeks ago in some suburban areas of northern Illinois, plaguing areas dense with trees and drowning out conversations with their song. The red-eyed bugs have just begun to show themselves onsite and in other western suburbs during the past few days.

The cicadas are expected to live for about four to six weeks. During that time, area experts and those with good memories expect a lot of noise, and at the end of it all, a lot of crunchy cicada bodies to step on. But experts don't expect that the bugs will do much harm to trees, and certainly not to people, two reasons why Lootens doesn't see any need for people to take action against the bugs.

laboratory's first lively years, when discussions were held from 8 a.m. until 6 p.m., the beginnings of what would become a tradition of communication at Fermilab. The book was written by Wilson for the 1987 Fermilab Annual Report to capture his memories on the occasion of Fermilab's twentieth anniversary.

[More information](#) on the lab's early years at the Oak Brook location.

[More information](#) on Robert Wilson's Golden Book.

-- *Rhianna Wisniewski*

### In the News

## From *nature.com*, June 13, 2007:

### High-energy detectors might find 'unparticles'

*'Stuff' not made of particles could be seen soon, in theory.*

The universe could be filled with stranger stuff than anything physicists have ever seen: stuff that, unlike all known matter, isn't made of particles. Howard Georgi of Harvard University calls it 'unparticle stuff'.

According to theory, such stuff could barely be felt by everyday matter, making it invisible to us and our instruments so far. "It could be that at the energies we can probe today, we just don't see the unparticle stuff at all," says Georgi. But the high energies about to be probed by machines such as the Large Hadron Collider (LHC) at CERN, the European centre for particle physics near Geneva, Switzerland, might show up the strange stuff, he says.

### [Read More](#)

### In the News

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

Fermilab Today is online at:  
[www.fnal.gov/today/](http://www.fnal.gov/today/)

Send comments and suggestions to:  
[today@fnal.gov](mailto:today@fnal.gov)

"There is no need to use pesticides," said Lootens, adding that the pesticides could harm the birds that eat the cicadas. Birds are among nearly a dozen of the cicada's natural predators, including spiders, snakes, moles and squirrels.

Rod Walton, Fermilab's ecologist, isn't sure why the cicadas took so long to appear, but he expects it has to do with the temperature, which has still been relatively cool in the area at night. "It just doesn't seem like it is shaping up to be as bad as other areas," he said. "I do expect we'll see more a couple of weeks from now, but I don't think we'll see the infestation that other areas have."

Anyone who remembers 17-year cicadas emerging at Fermilab during previous invasions can email their stories to [Fermilab Today](#).

-- Rhianna Wisniewski

**Photo of the Day****Mr. Freeze takes his Cryo show on the road**

PPD's Jerry Zimmerman, "Mr. Freeze," gives his cryo show demonstration to the 5th grade "graduating" class of Coultrap Elementary School in Geneva at their end-of-school picnic. The Cryo show is part of Fermilab's annual DASTOW event, which will take place this month on June 21. Visit the [DASTOW](#) Web site for more information. *Photo courtesy of AD's Charlie King.*

**From Daily Herald,  
June 15, 2007:****Alderman on the mend**

A Geneva alderman and Fermilab scientist is on the mend after receiving a kidney transplant.

Charles Brown, alderman for the city's 1st Ward — which encompasses downtown businesses and homes north of State Street — received a kidney from an anonymous donor Tuesday morning at a Chicago hospital, his wife said.

[Read More](#)**Announcements****Today is an Air Pollution Action Day**

The Partners for Clean Air and the Illinois Environmental Protection Agency are issuing a second Air Pollution Action Day notice for Friday, June 15. Check [www.cleantheair.org](http://www.cleantheair.org) for updates and tips on reducing impact.

**Sign up for Fermilab Blood Drive**

Employees, users and summers students can now sign up for Fermilab's quarterly blood drive, taking place Tuesday, June 26 and Wednesday June 27 from 8:00 a.m. to 2:00 p.m. Walk ins will be welcome. The blood drive will be located in the Wilson Hall ground floor training room. Call Diana at x3771 or Margie at x3411 or sign up [online](#).

**Salary review information for supervisors**

Managers and supervisors will receive information on new features of this year's performance and salary review process in one-hour training sessions scheduled on June 14, 15 and 25. [Enroll here](#).

**June Wilson Hall window washing**

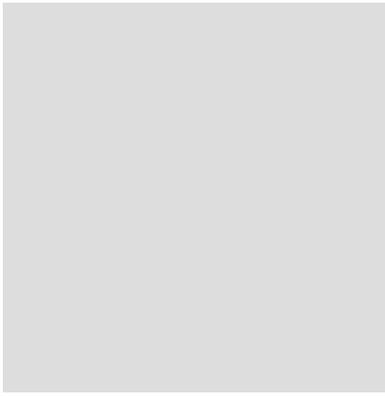
Window washing at Wilson Hall and will continue through the end of June. The exterior of Wilson Hall will be washed this week, and the window interiors will be washed next week. Please avoid walking through or moving barricades.

**Men's locker room closed this week**

The men's locker room on the ground floor of Wilson Hall will be closed through June 15 for ceramic tile repair.

**Bob Betz memorial symposium**

A memorial celebration of the life of Dr. Robert F. Betz and his lasting influence on Fermilab and the region will take place on Saturday, July 7, at 2 p.m. in Ramsey Auditorium. The



event will highlight the great contributions that Bob made to prairie conservation and restoration in Illinois, in particular his work at Fermilab and its National Environmental Research Park. Please RSVP to x5422. Click [here](#) for more information.

**Classifieds**

New [classified ads](#) have been posted on *Fermilab Today*.

**[Additional Activities](#)**