

Calendar

Tue., July 3

11:00 a.m.

Accelerator Physics and Technology Seminar - Curia II (NOTE TIME, LOCATION)

Speaker: M. Giovannozzi, CERN

Title: Resonant Multi-Turn Extraction Project: Principle and Experiments at the CERN Proton Synchrotron

12:00 p.m.

Summer Lecture Series - Curia II (NOTE LOCATION)

Speaker: A. Warner, Fermilab

Title: Accelerators

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

Wed., July 4

HAPPY 4TH OF JULY!

Thurs., July 5

THERE WILL BE NO ILC ALCPG PHYSICS AND DETECTOR SEMINAR THIS WEEK

THERE WILL BE NO THEORETICAL PHYSICS SEMINAR THIS WEEK

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.

Weather



Partly Cloudy 85°/68°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Feature

Dreaded emerald ash borer spreads, found at Fermilab



The emerald ash borer, an invasive insect that has infected trees throughout Kane County, including Fermilab. *Image courtesy of www.emeraldashborer.info.*

The emerald ash borer has arrived at Fermilab. Last week, the Illinois Department of Agriculture confirmed that it had found EAB-infested ash trees near Kirk Road, on the Fermilab site.

The emerald ash borer is an invasive beetle responsible for the death of nearly 20 million ash trees in the northern United States since it was discovered here in 2002. About a year ago, the insect was detected in Kane County, the first sighting in Illinois.

"There's essentially nothing we can do," said Rod Walton of the Facilities Engineering Services Section. "There are thousands of ash trees on the Fermilab site, and these bugs could wipe out virtually every one of them. The goal is to contain the insects and to slow their spreading." A ban on exporting ash wood from Kane County has been in effect since last summer, and it is illegal to transport ash wood from Illinois to Wisconsin.

The thumbnail-sized ash borer feasts on the trunks of ash trees, preventing the trees from transporting nutrients to leaves and branches, and eventually kills them. Since each female insect lays 60 to 90 eggs during her two-week lifespan, the population can grow quickly.

Fermilab is working with the U.S. Department of Agriculture, the IDA, the City of Batavia and the Morton Arboretum to determine the measures to be taken here on site. Since most ash trees on site are far away from roads and

Director's Corner

The PAC: a venerable tradition



[Laboratory management and the PAC at their recent retreat](#)

The strong and vital role of the Physics Advisory Committee is a tradition that goes back to the beginning of Fermilab. In the four decades of its existence, the PAC has evolved as the nature of our field has changed. Constant throughout its history is the depth of analysis and advice that the PAC has given, bringing the national and international communities' input to make the Fermilab program the best it can be.

For much of its early life, the budget for the laboratory included ongoing capital funds to be applied to the development of the future program, much like the situation today at CERN. The approval of an experiment by the PAC and the acceptance of that recommendation by the director were about the only steps necessary to launch a new experiment. Timeliness was all; overrunning the budget for any given experiment was not yet a mortal sin. Something else would yield within the established funding envelope..

Today the situation differs dramatically. Experiments have grown larger and require more resources than are available within the laboratory's ongoing budget. The ongoing base of equipment funds that provided for the development of experiments has been eliminated. As a consequence, every project must be built into the yearly cycle of the Administration's budget request, adding nearly two years to any new start. Furthermore, before any project can be put into a budget request it must pass many administrative hurdles to ensure that its management plan and budgets are adequate, adding even more delay ahead of an actual start. The relative importance of timeliness and of completing the

Wilson Hall Cafe**Tuesday, July 3**

- Creamy turkey vegetable
- Chicken gyros
- *Salisbury Steaks w/ mushroom au jus
- Chicken cacciatore
- Italian panini w/provolone
- Assorted pizza slices
- Super burrito

*Carb Restricted Alternative

[Wilson Hall Cafe Menu](#)

Chez Leon**Wednesday, July 4****Lunch**

Closed

Thursday, July 5**Dinner**

Closed

[Chez Leon Menu](#)

Call x4598 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

parking lots and since Fermilab has little traffic, Walton expects that only trees that present a safety hazard will be cut down. Cut trees would be shredded and used as mulch on site.

The IDA will continue to survey trees in the area. "People may see survey and inventory work taking place [at Fermilab]. Their normal work routine will not be affected while these efforts take place," said IDA's Mark Cinnamon.

-- Lauren Younis

Feature**Ken Olesen to retire Thursday**

Ken Olesen

On July 6, Ken Olesen, an Operations Supervisor, will begin his retirement after 28 years in the AD/Cryogenic Department. Ken began his Fermilab career when the installation of the Tevatron cryogenic system was just heating up. "His drive to continue to learn allowed him to contribute in a wide variety of ways to the Tevatron cryogenic system installation, operation, maintenance, and upgrades," said Cryogenic Department Head Jay Theilacker. "His expertise and personality will be irreplaceable."

His interest in self-improvement lead him to receive a Bachelor's degree in Management in 2002. Ken used those skills in his role as Group Leader of the Cryogenic Department Technical Support Group. He continually encouraged others to improve themselves and their work process.

Ken and his wife, Pat, will be moving to North Carolina where he plans to spend more time pursuing his passion for fishing and doing volunteer work.

"I'm certainly going to miss the lab and all the friends I've made here over the years," he said. "The opportunities and challenges available here at Fermi to learn and expand one's knowledge and skills are very unique and will be hard to find in any other work environment. The challenges in building the ILC are tempting, but it's time to move on and pursue new adventures and leave those challenges to our younger generation. A big thanks to all who have shared their experience

project within a specified budget have changed; overrunning a budget has become a mortal sin.

In today's far more complex environment, the role of the PAC is more important than ever and requires even greater depth of analysis. The PAC must not only analyze the merits of the physics case for a project but judge how the project will play in the national and international arena, determine the likelihood that the project can garner the required resources and consider how competitive the project will be at the end of the many steps necessary before completion. Because the laboratory does not get many shots at presenting a program nationally, so we must always be on firm footing when we do. The PAC gives us this firm footing by becoming an integral part of the laboratory in defining our strategic plan. We are fortunate to have the distinguished members of the PAC devote their time throughout the year, including the week-long retreat that takes place every summer, to help us make the best program possible for Fermilab.

Accelerator Update**June 29 - July 2**

- Four stores provided 58 hours and 23 minutes of luminosity
- TeV D1 and F4 wet engine problems
- Lithium lens trips off

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements**MS Project 2003 class August 1 and 2**

Learn to create and modify a project plan file that contains tasks, resources, and resource assignments in an MS Project Class.

Additional classes have been scheduled for August 1 and 2. [Learn more and enroll](#)

Retirement Income Options Seminar

On July 11, 2007, TIAA-CREF will hold a financial education seminar. Titled "Getting Ready for Retirement," the seminar will be presented by individual consultant Chad Stein and will focus on developing financial strategies for retirement. Attendees will obtain a basic understanding of how the different financial elements interconnect (Social Security, taxes, TIAA-CREF Retirement Annuity, SRA, etc.) with their overall strategy when preparing for retirement. Enroll [here](#) and

and expertise with me over the years."

-- Jay Theilacker

In the News

From *CERN Bulletin*, July 2, 2007

The LHC demystified or how to dispel misconceptions about the accelerator

As the start-up of the LHC approaches, some people are worried about the possible dangers posed by such a powerful machine. Here are a few key points to reassure them...

Does your neighbour think that the LHC's collisions will transform the pays de Gex into a huge Emmental cheese? Do you get strange e-mails warning you that you're going to be sucked into black holes in the accelerator? Of course you know that it's all just pure fantasy, but do you know how to reply? You can start by reading the following explanations:

[Read more](#)

review seminar information [here](#).

Summer Muscle Toning Classes

Get a head start in getting fit and have fun doing it by joining the Muscle Toning Classes. Classes are held on Tuesday and Thursday in the Recreation Facility from 5:30-6:30 PM. The class schedule is: July 10 - August 2, 4-Week Session at \$32.00. Registration deadline is July 6. You must be a Recreation Member to participate.

Scottish dancing tonight

Scottish Country Dancing is meeting in Ramsey Auditorium for the summer on Tuesday evenings, and will take place on July 3 as usual. Instruction begins at 7:30 p.m. and newcomers are always welcome. Most dances are fully taught and walked through, and you do not need to come with a partner. Info at 630-840-8194 or 630-584-0825 or email folkdance@fnal.gov.

[Additional Activities](#)