

Calendar

Tuesday, November 8

11:00 a.m. Academic Lecture Series - 1 West

Speaker: C. Quigg, Fermilab

Title: The Electroweak Theory and Higgs Physics – Lecture 3

3:30 p.m. Director's Coffee Break - 2nd Flr X-Over

4:00 Accelerator Physics and Technology Seminar - 1 West

Speaker: F. Schmidt, CERN

Title: Driving Term Experiments at CERN

Wednesday, November 9

11:00 p.m. Research Techniques Seminar - 1 West

Speaker: V. Buzuloiu, Universitatea Politehnica, Bucharest

Title: Research in Signal Processing at LAPI

3:30 p.m. Director's Coffee Break - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West
Speaker: E. Adelberger, University of Washington

Title: Sub-Millimeter Tests of the Newtonian Inverse Square Law

Note: There will be no Fermilab ILC R&D Meeting Today

Weather



Mostly Cloudy **62°/54°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

On a Roll: The Tevatron Breaks More Records

Last week, the Fermilab accelerator complex had its best performance so far. In addition to setting a peak luminosity record (*Fermilab Today* reported on [Nov. 1](#)), the Tevatron produced the highest integrated luminosity in a single week, achieving 21 inverse picobarns, the highest number of collisions per week so far. Also, the weekly antiproton production was the highest ever, exceeding 1500 mA of antiprotons. "It was a great week," said Bob Mau, head of Accelerator Operations, at a meeting on Monday afternoon.

Fermilab Trees Tested in Emerald Ash Borer Survey



Jan Watson peels away the bark and looks for telltale signs of the emerald ash borer.

Fermilab ash trees recently were tested for the presence of an invasive beetle that is spreading across the Midwest. The Morton Arboretum tested some of the lab's trees as part of a northeastern Illinois survey for the emerald ash borer, an Asian beetle that has infested or killed more than 5 million ash trees in southeast Michigan. "I'm happy to say we didn't find any at Fermilab," said Morton Arboretum Research Assistant Jan Watson. Tests

Director's Corner

The Power of "WE"

Last Tuesday evening members of the Community Task Force were welcomed back

to Fermilab to discuss how to locate the International Linear Collider in this region. [The Community Task Force](#) started working with the laboratory



Pier Oddone

last year to give recommendations on how the laboratory and the community should work together on all issues of mutual interest and concern. Following these [recommendations](#) we are now starting to work together on the issues preliminary to bringing the International Linear Collider to Fermilab. It is clear that the location of the ILC in this region is currently the major issue of mutual interest. From the laboratory's standpoint, bringing the ILC here determines how bright the future of the laboratory will be. At the same time, locating the ILC here will have an impact on the surrounding region because the beam tunnel would extend miles beyond the Fermilab site.

I was very encouraged by the seriousness of the discussion. We received wise advice from several community members. A shared view was that, were Fermilab to lose its facilities and not replace them with world-leading facilities, it would be a great loss for the entire region.

[Secon Level 3](#)

Wilson Hall Cafe

Tuesday, November 8

- Tomato Bisque
- Lemon Pepper Club
- Burgundy Beef Tips
- Baked Fish Creole over Rice
- Grilled Chicken Caesar Wrap
- Supreme
- Rio Grande Taco Salads

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, November 9

Lunch

- Calzone w/Prociutto
- Roasted Pepper, Basil & Three Cheeses
- Cesar Salad
- Espresso Coupe

Thursday, November 10

Dinner

BOOKED

[Chez Leon Menu](#)

Call x4512 to make your reservation.

Search

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Info

from sample trees in the nine surrounding counties are not all completed.

Emerald ash borer larvae feed in the inner bark of ash trees, prohibiting the trees from moving water and food and eventually killing them. Three of Fermilab's young ash trees were used for the Arboretum survey, which was funded by the USDA Animal and Plant Health Inspection Service and the US Forest Service. The trees were girdled, dressed with a sticky substance to trap insects and monitored throughout the summer. In late October, Watson chopped down the trees and stripped their bark to look for emerald ash borer larvae and the serpentine tunnels they form in the inner wood. "Because this has been found in neighboring states, early detection of the emerald ash borer is needed in hopes of minimizing tree loss," she said.

The Arboretum gave Fermilab an emerald ash borer test kit to continue monitoring for the beetle. The lab will share the kit with the cities of Batavia, St. Charles and Geneva, said Bob Lootens, of Roads & Grounds. "It's important to work together to keep an eye out for these guys," he said. "I know that I could just make one phone call if something looks suspect here."

—Kendra Snyder

In the News

At the end of the evening one member made the remark that when listening to the folks from Fermilab she had heard a lot of "we" while references to the community were to "they." She inferred that the laboratory viewed itself as separate from the community as if it had to ask permission from the community. In her view, however, Fermilab was part of the community. She suggested that we should not frame the discussion in terms of "we" and "they," but rather with only "WE." WE the members of this local community that includes Fermilab are working together for the future of our region.

NALWO Bench Dedication for Sue Mendelsohn Today

In memory of Sue Mendelsohn, NALWO is presenting a bench to the lab, which has been placed outside the Lederman Center. Mendelsohn, an employee of the Lederman Center and longtime secretary of NALWO, Fermilab's women's organization, died last year on November 12 after a valiant fight with cancer. The bench was made of teak and white oak by Sue's husband, Michael Church, of the Accelerator Division.

Anyone who would like to remember Sue and her contributions to the lab, NALWO and the community, is invited to an informal ceremony to dedicate this special bench. It will be held in front of the Lederman Center, at 1 p.m. on Tuesday, November 8. In case of rain, the dedication will be postponed to 1 p.m. Thursday, November 10.

Accelerator Update

Fermilab Today is online at:

<http://www.fnal.gov/today/>

Send comments and suggestions to

today@fnal.gov

[Fermilab Today archive](#)

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[Fermilab Safety Tip of the Week archive](#)

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From *PhysicsWeb*, November Forum, 2005

Ian Glynn believes that inadequate textbooks are partly to blame for the steady decline in the number of pupils taking physics at school

About a year ago my 15-year-old granddaughter asked me to explain something in her physics homework. The previous time she had sought my help she had wanted to know how far individual electrons in the AC mains moved backwards and forwards; this time she was less demanding. But it was more than half a century since I had been a 15 year old doing physics homework, and having spent the bulk of my career as a research physiologist, I thought I ought to find out what 15 year olds are meant to learn today.

I therefore bought and read copies of the five GCSE physics textbooks that were on the shelves of two of Cambridge's biggest bookshops. These books are aimed at pupils in the two years before they take their GCSE exams at the age of 16. What I found may go some way to explaining why there has been a 35% decrease since 1991 in the number of pupils who go on to take A-level physics at schools in England, Wales and Northern Ireland.

[Read More](#)

November 4 - 7

- 4 stores provide 53 hours and 39 minutes of luminosity.
- P1 suffers from vacuum bursts.
- Recycler stash aborted.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Scottish Country Dancing

Scottish Country Dancing will meet Tuesday, November 8, at Kuhn Barn on the Fermilab site. 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

folkdance@fnal.gov

International Folk Dancing

International Folk Dancing will meet on Thursday, November 8, at Kuhn Barn on the Fermilab site. Dancing begins at 7:30 p.m. with teaching and children's dances earlier in the evening and request dancing later on. Newcomers are always welcome and you do not need to come with a partner. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

[Upcoming Activities](#)