

Calendar

Tuesday, May 2

2:00 p.m. Research Techniques Seminar
- West Wing (WH-10NW)

Speaker: G. Deptuch, Brookhaven
National Laboratory

Title: Monolithic Active Pixel Sensors for
Not Visible Light Applications:
Advantages and Limitations

2:30 p.m. Theoretical Physics Seminar -
Theory Conf Rm (WH-3NE)

Speaker: N. Brambilla, Milano

Title: Systems of Two Heavy Quarks with
Effective Field Theories

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR
PHYSICS AND TECHNOLOGY
SEMINAR TODAY

Wednesday, May 3

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: J. Tarter, SETI Institute

Title: The Allen Telescope Array: 42 is
More than the

Answer to "Life, the Universe, and
Everything"

THERE WILL BE NO FERMILAB ILC
R&D MEETING THIS WEEK

[Click here](#) for links to descriptions of
each event.

Weather

Wanted: citizen scientists for ecology research at Fermilab



Planned seasonal prairie burns and other activities that replicate natural cycles are used to restore the prairie to the condition it was in before the settlers arrived. Volunteers can help ecologists track the progress of prairie restoration at Fermilab by surveying a quadrat of land. [Click the image to take a virtual tour of the prairie during each season.](#)

Starting in May, the Fermilab Education Office will train ordinary citizens to do real ecology research. The [Prairie Quadrat Program](#) will allow adults, families and scouts to adopt a prairie plot and keep tabs on its development. Participants will learn how to map a prairie plot, identify prairie plants, and help Fermilab ecology experts track restoration progress--volunteers will even enter their data into a website scientists use to monitor the prairie's condition. "We are trying to restore the land back to its original condition before the settlers came," said Mary Hawthorne of the Education Office. "This program will train ordinary citizens to help us."

"Citizen scientists" may choose to document plants on their plot just once, a few times per season, or they may adopt

Director's Corner

EPP2010

On April 26th, the report of the Committee on Elementary Particle Physics in the 21st Century (EPP2010) was [released](#) in Washington, DC.

The Committee had been charged by the DOE and the NSF to recommend priorities for the US particle physics program for the next 15 years.

Chaired by Harold Shapiro, President Emeritus of Princeton University, the committee included distinguished scientists from diverse scientific disciplines, industrialists and experts in public policy.

The report lays out a strategic framework and set of recommendations for the future of the U.S. particle physics program that are both powerful and exciting. Included in the strategic framework is the vital role that Fermilab will play as the sole remaining U.S. laboratory entirely devoted to particle physics.

The key objectives that are laid out for the future U.S. program are (a) to exploit fully the opportunities at the LHC, (b) to become a world-leading center for ILC R&D and to mount a compelling bid to host the ILC in the U.S. and (c) to expand the research in particle astrophysics and pursue neutrino physics in stages through an internationally coordinated program.



Pier Oddone

Areas of Fog **71°/51°**[Extended Forecast](#)[Weather at Fermilab](#)**Current Security Status**[Secon Level 3](#)**Wilson Hall Cafe****Tuesday, May 2**

- Golden Broccoli & Cheese
- Cheesy Greek Squeeze
- Coconut Crusted Tilapia
- Spaghetti with Meatballs
- Toasted Almond Chicken Salad on Crossiant
- Supreme Baked Pizza
- Chicken Fajitas

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express.

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, May 3****Lunch**

-Closed

Thursday, May 4**Dinner**

- Crab Cakes
- Stuffed Flank Steaks
- Orzo with Arugula, Pine Nuts and Parmesan
- Profiteroles with Strawberries and Chocolate Sauce

[Chez Leon Menu](#)

Call x4598 to make your reservation.

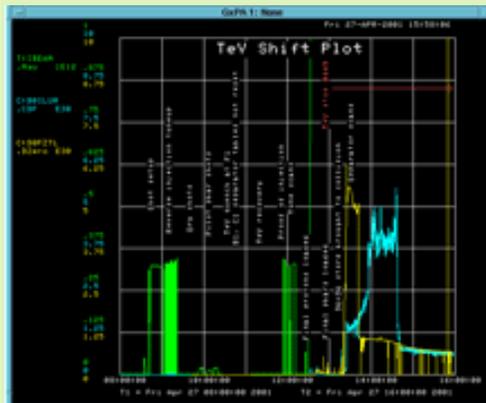
Search

their plot and track its progress for years to come. "It's pretty amazing to go back each year because new things are always coming up," said Hawthorne. The program will teach participants to understand the evolution of the prairie, and how it is changing based on the complex ecosystem studied within a single square meter of land.

Some of the free sessions will be geared toward groups of children and families, offering additional activities to keep children interested and occupied while parents "work their quad." A complete schedule of outings can be found on the [education website](#). For more information, contact Nancy Lanning at x5588.

--Siri Steiner

Run II anniversary: What's changed in five years?



Log for the first 36x36 shift in the Tevatron, April 27, 2001. (Click on image for larger version.)

Last Thursday marked the 5th anniversary of Run II's first collisions from 36 bunches of protons and 36 bunches of antiprotons. Run II officially started on March 1, 2001, but only had 1 proton and 8 antiproton bunches during the first seven weeks. On April 27, the first 36x36 store was sent through the collider, which still uses 36 bunches per store. "It was the first time we ran the

While the specifics of the future particle physics program may change in time depending on the discoveries that we make, some of the strategic principles formulated by EPP2010 are at the core of any future program. In particular, the committee affirmed as the first principle the intrinsic value of elementary particle physics and identified the field as a key priority within the physical sciences. As a second principle it established that the US particle physics program should be characterized by a commitment to leadership within the global enterprise where leadership is carefully defined not to mean dominance but rather taking initiatives, catalyzing partnerships at home and abroad, and accepting risks to achieve the greatest scientific potential.

These strategic principles for our field are likely to become a foundation for government public policy in support of the physical sciences thanks to the committee's careful work and its expertise across a broad spectrum of the sciences, industry and public policy.

Announcements**Budker Seminar Series**

Tim Koeth of FNAL and Rutgers University will present "A 12-inch Cyclotron for Students," today, May 2, at 6:00 p.m. in the Users Center Music Room. Beverages and pizza will be served.

Batavia Road entrance to close for cars and bicycles

The Batavia Road entrance will be closed for renovation from 7:00 a.m. on Tuesday, May 9, to 4:00 p.m. on Monday, May 22. During this time, the City of Warrenville will also be repaving

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Tevatron collider in the Run II configuration with both CDF and DZero seeing the collisions," said Paul Derwent, 2001 Accelerator Division Run Coordinator.

Since that day, the Antiproton Source has created more than 1E15 antiprotons, the Recycler has become the primary antiproton storage ring (helping to increase store-size), and the Tevatron has reached 160 times the peak luminosity of Run I. "The last five years have seen the Tevatron achieve record luminosities for a hadron collider," said Derwent.

--Siri Steiner

In the News

Chicago Sun-Times

April 30, 2006:

Fermilab in race to land scientific whopper

West suburban Fermilab is stepping up its efforts to land one of the biggest and most expensive experiments in the history of science.

Fermilab is competing with two sites in Europe and one in Japan for the International Linear Collider, a 28-mile-long machine that would cost \$4 billion to \$10 billion.

If built at Fermilab, the collider would be housed inside a 15-foot-wide tunnel more than 300 feet below the surface. Subatomic particles would race down from opposite ends of the tunnel and smash together in the middle.

[Read More](#)

roadways and carrying out other construction work along Batavia Road. Delays are expected to continue until early June, even after the entrance will have re-opened. Drivers and bicyclists should use Pine and Wilson Street entrances until the work is completed. For more information, contact Tom Prosapio at prosapio@fnal.gov

Lunchtime video: Chernobyl

It's been 20 years since the accident at the Chernobyl nuclear reactor. What went wrong, and what lessons can we learn? Don't miss Chernobyl, a BBC dramatization, today, May 2, at 12:30 p. m. in Curia II.

Road Paving on D Road

On Wednesday morning, May 3, asphalt repair work will begin on D Road from Eola to A-1. During the 5 or six days of repaving, drivers using D Road should expect short delays. Motorists are urged to slow down, obey signs, pay attention to traffic control personnel, and use caution when driving on grooved and uneven surfaces. The work area can be [avoided](#) by using a combination of North Eola, A-1, and C Roads.

Memorial Service for Ed Lober

A memorial mass for Ed Lober will be held Saturday, June 24, at 10:30 a.m., at Holy Cross Catholic Church in Batavia, IL. Lober was a former FESS employee who passed away on March 26, 2006. The church address can be found [here](#).

Professional Development

New classes are always being added to the professional development schedule. For the most up-to-date course offerings, go to [the web page](#).

[Upcoming Activities](#)