

Calendar

Friday, July 30

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: V. Jain, Brookhaven National Laboratory

Title: Selected B Physics Analyses from DZero: $B_s \rightarrow \mu\mu$ and B^{**}

8:00 p.m. Fermilab International Film Society - Auditorium

Tickets: Adults \$4

Title: Earth

Saturday, July 31

7:00 p.m. Pre-Concert Talk - 1 West

8:00 p.m. Fermilab Arts Series - Ramsey Auditorium

Jim Walker and Free Flight

Tickets: \$18/\$9

Monday, August 2

THEORETICAL ASTROPHYSICS SEMINARS WILL RESUME IN THE FALL

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II

Wilson Hall Cafe

What's Up with the Linear Collider?

The sixth in a series of Fermilab Today stories on the International Linear Collider. The entire series is [available online](#).

ILC Engineering Test Facility



Superconducting accelerator structures at the TESLA test facility at DESY in Hamburg, one of the existing test facilities for proposed ILC components. (Source: DESY Hamburg) ([Click on image for larger version.](#))

Taking a long-range view of the proposed International Linear Collider, Fermilab has proposed that an engineering test facility would be needed at the later design stages. Such a facility would address engineering, accelerator physics, cost, schedule, and international organizational issues.

"While other test facilities exist, our perspective is that the governments involved will want a large-scale systems test to demonstrate that the underlying technology works as a system, and that it can meet the assumed cost and schedule goals for construction," said Fermilab Associate Director for Accelerators Steve Holmes, a member of the U.S. Linear Collider Steering Committee. "We

Farewell, Patricia Gunn!

Patricia Gunn of FESS will retire tomorrow after 16 years at Fermilab. Gunn worked in Business Services during her first 3 years at the lab then moved to FESS, where she worked for 10 years. For the past 3 years, she's communicated with elevator and window blind contractors in Wilson Hall, calling them when repairs or replacements were needed.



Patricia Gunn

"Now I'm going to relax, do a little traveling and enjoy my family," said Gunn, who has relatives in Florida, South Carolina, and Georgia. "We're also planning a trip to Europe, but haven't worked out the details." Since all of Gunn's children and grandchildren live near her and her husband in Geneva, a town she loves, she's in no hurry to get away.

"Fermilab is a wonderful place to work," she said. "We're so fortunate to have such a beautiful campus and such phenomenal benefits. But what I'll miss most is the atmosphere, and all of the interesting people."

In the News

Friday, July 30

Beef Pepper Pot

Buffalo chicken wings \$4.75

Cajun Breaded Catfish \$3.75

Spaghetti with Meat Sauce \$3.50

Honey Mustard Ham & Swiss Panini

\$4.75

Double Stuffed Pizza \$2.75

Spicy Marinated Flank Steak \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Thunderstorms Likely **76°/64°**

[Extended Forecast](#)

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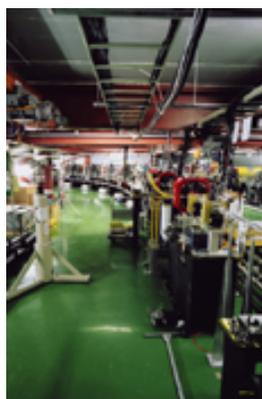
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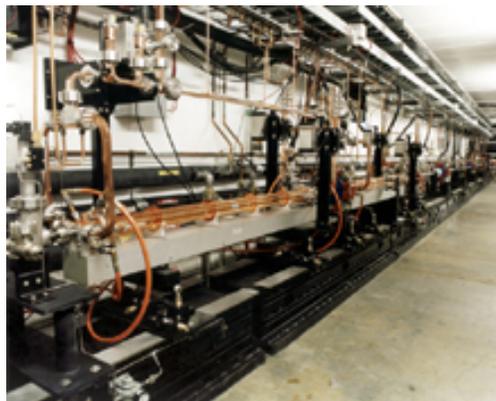
assume



Accelerator Test Facility (ATF) at KEK, developing low-emittance and high intensity beam steering technology. (Courtesy of KEK) (Click on image for larger version.)

Holmes said any engineering test facility would be set up and operated under the auspices of the proposed ILC Global Design Initiative, which would coordinate design efforts in the Asian, European and American regions. (See [Fermilab Today, Fri., July 23, 2004-"Fermilab's GDI Site Proposal."](#))

Early thinking also accommodates the possibility of a "suite" of test facilities at different sites, instead of a single facility, with each proving out different aspects of the proposed ILC.



that an ILC project manager would want the same thing. We have initiated discussions both internally, and within the larger ILC community, on what such a systems test might look like. We are working within the international framework."

From the *Chicago Tribune*, July 28, 2004

City may get link to NIU, Fermilab

by Denise Linke

BATAVIA -- Batavia schools and offices could get a fiber-optic link to Northern Illinois University and Fermi National Accelerator Laboratory this fall if the City Council agrees to let NIU piggyback onto the city's existing fiber-optic ring, the Public Utilities Committee learned this week.

NIU officials have asked for two of the city's 96 fibers to help bridge the gap between the DeKalb campus and Fermilab, said City Manager Bill McGrath. The city and university would then split the estimated \$60,000 cost to run fiber-optic cable about 3 miles along existing Commonwealth Edison overhead lines to connect to Fermilab's system.

[read more](#)

Announcements

Fermilab Film Series Tonight

The Fermilab Film Series presents "Earth" tonight at 8:00 p.m. in Ramsey Auditorium.

[more information](#)

Fermilab Arts Series Tomorrow Night

The Fermilab Arts Series presents "Free Flight with Jim Walker" tomorrow night at 8:00 p.m. in Ramsey Auditorium. Tickets are still available!

[more information](#)

Wilson Hall Exterior Window Washing Next Week

Window washing for the exterior of Wilson Hall will begin on Monday, August 2. Scaffolds will be set up outside the building. Please avoid walking



The Next Linear Collider Test Accelerator facility at SLAC. (Photo Courtesy of Stanford Linear Accelerator Center) (Click on image for larger version.)

Next: International LC Organizations

underneath the scaffolds and be aware of the workers. For more information, please call Enixe at x2798.

New Classified Ads Posted on Fermilab Today

New [classified ads](#) have been posted on *Fermilab Today*. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

Free English Classes

NALWO-sponsored free English language classes for beginning and advanced levels are Fridays at the Users Center from 9:30 a.m. to 11:00 a.m.