

Calendar

Tuesday, November 1

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

West

Speaker: C. Quigg, Fermilab

Title: The Electroweak Theory and Higgs

Physics - Lecture 1

3:30 p.m. Director's Coffee Break -

2nd Flr X-Over

Note: There will be no Accelerator

Physics and Technology Seminar today

Wednesday, November 2

11:00 p.m. ILC R&D Meeting - 1 West

Speaker: P. LeBrun, Fermilab

Title: ILC Accelerator Simulation for the
LET (Low Emittance Transport) System

Speaker: P. Spentzouris, Fermilab

Title: Update on Multi-Particle Effects on
ILC Components

3:30 p.m. Director's Coffee Break -

2nd Flr X-Over

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

Speaker: L. Bartoszek, Bartoszek

Engineering

Title: Taking the Space Elevator from
Science Fiction to Engineering

Weather



Sunny 58°/36°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

[Wilson Hall Cafe](#)

Records Keep Coming

The flurry of Tevatron peak luminosity records of the last couple of months continues. On Monday, October 31, accelerator operators produced a special Halloween treat of $164E30 \text{ cm}^{-2} \text{ sec}^{-1}$. Since the beginning of the year, the peak luminosity record has increased by about 50 percent. Congratulations.

Celebration Honors 20th Anniversary of Collisions



CDF spokeswoman Young-Kee Kim presents a slide show of old photos during a special session of the CDF collaboration meeting on Friday.

On the night of the first Tevatron collisions, Lee Holloway promised his wife he'd take her out after his drive back home to the University of Illinois from Fermilab. He didn't make it to his car until the next day with a signed note from Alvin Tollestrup and others in the CDF collaboration explaining why he had to spend the night. Holloway's memory was one of many shared Thursday afternoon in Wilson Hall during a special session of the CDF collaboration meeting to honor the 20th anniversary of the collisions.

Mel Shochet, who was in the control room during the collisions, presented the audience with old minutes of weekly CDF meetings to show humorous accounts of

Director's Corner

PANIC

Notwithstanding many spam filters that toss out messages with the word

"panic" in the subject

line, more than 500

physicists attended

the Particles and

Nuclei International

Conference of 2005

(PANIC05) in Santa

Fe, New Mexico,

November 24th

through 28th. Fermilab was one of the six

sponsoring institutions. The Conference is

unusual in that it brings together the

Nuclear and Particle Physics

communities. The separate funding

offices for Nuclear and Particle Physics in

the US, has led to programs that are quite

distinct. The two programs have common

interest in the study of neutrinos, aspects

of quantum chromodynamics,

astrophysics and fundamental

symmetries. Many other areas of both

fields are studied quite separately. The

series of PANIC Conferences, held about

every three years for more than 40 years,

in addition to being a venue for presenting

new results, serves the very useful

purpose of building connections between

the two communities. Over 500 physicists

from many different countries attended

the meeting.

I had the opportunity to present our vision

for the future of particle physics and for

Fermilab at a lively evening session. I

shared the session with Albrecht Wagner,

Director of DESY, San Aronson,



Pier Oddone

Tuesday, November 1

- Chicken & Rice Soup
- Cowboy Burger
- Baked Meatloaf w/a Roasted Tomato Demi-Glace
- Parmesan Baked Fish
- Peppered Beef
- Ham & Pastrami Calzones
- Burritos w/Chips & Queso

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

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, November 2

Lunch

- Chicken Marbella
- Green Rice
- Vegetable of the Season
- Caramel Chocolate Cheesecake

Thursday, November 3

Dinner

BOOKED

[Chez Leon Menu](#)

Call x4512 to make your reservation.

Search

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Info

limited money and accommodations as well as challenges such as the failure of a dipole magnet and lithium lens. "A substantial fraction of the collaboration was actually in the control room and everybody was focusing on one display," Shochet said about the first collisions, which began at 2 a.m. on October 13, 1985. "When we saw anything, there were oohs and ahhs." CDF spokeswoman Young-Kee Kim displayed 20-year-old pictures of CDF employees as well as those of newer collaboration members, some of whom were children and teenagers at the time.

Robin Staffin, the Associate Director for High Energy Physics for DOE's Office of Science, attended the meeting via phone. "Because of this very different scale of luminosity, our eyes are opening again," he said about the current success of Run II. "This is a reminder that these are not easy accomplishments, they're major accomplishments. They take a great deal of effort as you all know and results don't come quickly either, but they're certainly worth it."

—Kendra Snyder

Fermilab Halloween Photos



Mary Simmons passes out treats on Monday morning at Fermilab's Day Care Center. (Click on image for larger version.)

Associate Director for Particle and Nuclear Physics at Brookhaven National Laboratory, and Fumihiko Takasaki, head of the ILC at KEK representing the Director General of KEK Yoji Totsuka. The ILC clearly dominates the landscape for the foreseeable future for all the laboratories. Japan and the US are in a strikingly similar situation since we both have ambitions to host the ILC and cannot launch other initiatives before the fate of the ILC is resolved. I received many positive comments on our roadmap and we all can take encouragement from the support of this diverse group.

Computer Security: Learn about Phishing, Pharming

Everyone who uses the Internet, either at the Laboratory or at home, should have a basic understanding of phishing and pharming so they can avoid becoming a victim. [Read more about phishing.](#)

Accelerator Update

October 28 - 31

- During this 72 hour period, three stores provided 60 hours and 25 minutes of luminosity.
- TeV quench, but with no store

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

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The winners of Friday night's GSA costume contest pose for a picture. (Click on image for larger version.)

In the News

From **Science Daily**, October 29, 2005

On A Collision Course With Discovery

In the universe of high-energy physics, the smallest building blocks of matter (or anti-matter) make the biggest news. Take subatomic particles, for instance. Colliding into each other at nearly the speed of light in the world's highest-energy particle accelerator, protons and antiprotons produced some of the biggest physics news of the decade in 1995: the top quark.

[Read More](#)

Printer Shutdown

The site wide printserver, FNPRT will be unavailable on Saturday, November 5 from 8:00am - 11:00am due to scheduled maintenance.

International Folk Dancing

International Folk Dancing will meet on Thursday, November 3, 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.

Scottish Country Dancing and Halloween Party

The Silk and Thistle group's annual Halloween party will take place tonight, November 1. Info at 630-840-8194 or 630-584-0825 or folkdance@fnal.gov.

New Classifieds on Fermilab Today

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

[Upcoming Activities](#)