

Calendar

Tuesday, March 22

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wednesday, March 23

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

Speaker: T. Raubenheimer, Stanford Linear Accelerator Center

Title: The SLAC ILC Program

12:00 p.m. Wellness Works – Brown Bag Seminar - Curia II

Speaker: J. Springsteen, Women's Osteoporosis Program of Kane County Health Department and Women's Health Coalition

Title: Building Better Bones

2:00 p.m. Proton Driver General Meeting (NOTE LOCATION) Hornet's Nest

Speaker: R. Ransome, Rutgers University (WH-8X)

Title: Neutrino Scattering

Speaker: A. Moretti, Fermilab

Title: Proton Driver Klystrons

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Speaker: B. Tannenbaum, American Association for the Advancement of Science

Title: Dr. Smith Goes to Washington: A Physicist Wanders the Halls of Congress

Weather

Interactions News Wire

Barry Barish to lead International Linear Collider design

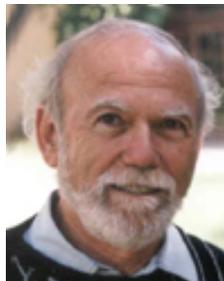
At the Linear Collider Workshop held at Stanford University, the International Committee for Future Accelerators (ICFA) on Friday, March 18, announced the appointment of

Professor Barry Barish as Director of the Global Design Effort

for the proposed International Linear Collider. Barish is

Linde Professor of

Physics at the California Institute of Technology and is currently director of the LIGO laboratory.



Barry Barish

"I am thrilled to accept this challenge and I am poised to move us forward energetically toward a global design for the linear collider." said Barish. "Particle physics is a vibrant field entering into a period of profound discoveries. Within the last few years our concept of the universe has radically changed, and these new questions can yield to the accelerator technology that is available to us. The evidence pointing to the scientific richness of the energy regime that would be explored by the linear collider, combined with the technological advances that have made such a machine technically possible, provide an extraordinary platform upon which to undertake the next step. The International Linear Collider can make historic discoveries that will become the science of the textbooks for future generations."

[read more](#)

Director's Corner

Good Morning!

Ten years ago this month the CDF and DZero collaborations jointly announced the discovery of the top quark. This was the final step in a worldwide



Mike Witherell

search that started when its partner, the bottom quark, was discovered here in 1977. If you are interested in reading more about both of those discoveries you can do so [online](#).

As we celebrate its tenth birthday, top quark physics is going through a period of rapid growth. The precise measurement of the top quark mass is used to predict the mass of the Higgs boson in the standard model. Theoretical physicists try to explain why the top quark is so heavy, and whether its great mass reveals something special about all of the quark masses.

The Tevatron now produces as many top quarks in six weeks as it did in all of its operation before 2001. We will be hearing a lot more from CDF and DZero about the top quark later this year and for many years to come.

Correction



Breezy 44°/31°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Tuesday, March 22

Chicken & Rice Soup

Mushroom Swiss Burger \$4.75

Baked Meatloaf with a Roasted Tomato

Demi-Glace \$3.75

Parmesan Baked Fish \$3.75

Southwestern Turkey Wrap \$4.75

Ham & Pastrami Calzones \$3.25

South of the Border Burritos with Chips &

Queso \$4.75

The Wilson Hall Cafe now accepts Visa,

Master Card, Discover and American

Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) is now open. Call x4512 to

make your reservation.

Search

Search the Fermilab Today Archive

Info

Berkeley Lab Throws Going Away Party for Pier Oddone

From *Today at Berkeley Lab*, March 17, 2005

Berkeley Lab employees are invited to say "goodbye" and "good luck" to Pier Oddone, the LBL's long-time Deputy Director, who is leaving to become the fifth Director of Fermilab in Illinois.



Pier Oddone

A celebration of his contributions has been scheduled for Thursday, March 24, from 3 to 4:30 p.m. in the Berkeley Lab Cafeteria. Refreshments and music will accompany a brief program, which will include remarks from the honored guest.

Accelerator Update

March 18 - March 21

- During this 72 hour period operations established two stores that combined with an existing store provided the experiments with approximately 32 hours and 6 minutes of luminosity
- Store 4088 set record luminosity - 113.1 E30
- Store 4088 quenched due to kicker prefire
- Kicker work and condition delayed store
- B4 wet engine work delayed study
- TeV suffered quench during study

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

In the News

Friday's article "Dark Matter Search Marks Return of Bubble Chamber" stated Mike Crisler is the head of the PPD Mechanical Department. Kurt Krempetz is the head of the PPD Mechanical Department, and Mike Crisler is the Associate Head.

Announcements

March PC Manager Meeting

The March PC Manager Meeting will be on March 23 from 9:00 a.m. to 10:00 a.m. in the Hornets Nest. The main topic will be: "Using Admin Rights Only When Needed - Andy Romero, are you logged in as Admin all the time?" This talk will show you ways to elevate privileges only when you need them!

Building Better Bones

Back by popular demand, Building Better Bones will be offered on March 23 at noon Curia-II. A brief lecture on Osteoporosis will be followed by a free bone scan for any woman attending the lecture. Jody Springsteen, BSN, CRRN covers osteoporosis risk factors, diagnosis and prevention.

Calling All NCAA Basketball Fans

Last year, *Fermilab Today* ran an [article](#) about the results of the NCAA basketball tournament among experiment collaborations, and we plan to do the same thing this year. After the championship game, *Fermilab Today* invites collaborators to send their results to [Eric Bland](#).

Scottish Country Dancing

Scottish Country Dancing has moved back to the Kuhn Barn on the Fermilab site and will meet there on Tuesday, March 22. Instruction begins at 7:30 p.m.

Fermilab Today is online at:

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

Send comments and suggestions to

today@fnal.gov

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From *New Scientist*, March 18, 2005

Giant space-time ripples may cause cosmic expansion

by Maggie McKee

Dark energy is not necessary to explain the accelerating expansion of the universe observed by astronomers, suggest controversial new calculations. Instead, gigantic ripples in space-time - larger than the observable universe - may be the cause.

[read more](#)

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.

[Upcoming Activities](#)