

Calendar

Friday, September 9

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

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

Speaker: M. D'Onofrio, University of
Geneva

Title: B-Jet Production Cross Section at
CDF

Monday, September 12

2:30 p.m. Particle Astrophysics Seminar
- Curia II

Speaker: A. Cooray, University of
California, Irvine

Title: Cosmic Infrared Background
Experiment and Conditional Luminosity
Function Models of Sloan Galaxies

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

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

Special Topic: Luminosity Task Force

Weather



Partly Cloudy **85°/64°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

ILC NewsLine

Lessons from ITER

*CERN DG shares cost-evaluation
experience, thoughts on future
accelerators.*



[CERN Director General Robert Aymar
addressing Global Group 5 at the Snowmass
Workshop. \(Click on image for larger version.\)](#)

CERN Director General Robert Aymar discussed lessons from his experience in costing the ITER project with members of Global Group 5, Cost and Engineering, at the recent Snowmass ILC Workshop. Aymar led the international team that developed a detailed engineering design for ITER including a cost estimate. As an international scientific project, ITER addressed many of the issues that now confront the proposed International Linear Collider.

"For ITER, we derived the value, not the cost," Aymar said. The team defined an invented currency, the ITER Unit of Account. They then developed some 100 work packages required to build the project and designed the detailed processes for manufacturing with industries from the international partners, thus determining the amount of materials, labor and other elements for each work package. They then valued all of them in

Affirmative Procurement: Creating Less Waste



Joe Collins is the Affirmative Procurement Manager at Fermilab. (Click on image for larger version.)

Affirmative procurement: It's a mouthful, but the idea is simple. Purchase products made from recycled or recovered materials in order to cut down on waste and help the environment. We try to do as much of it as we can here at Fermilab, and Joe Collins, Fermilab's Procurement Manager, keeps track of it all. Collins' job is to promote the program, report our accomplishments to DOE and see how we measure up against Federal Recycling Standards. "We've been doing pretty well here," said Collins. "But we could do better."

Collins described a few innovative ways that the Lab has managed to purchase recycled materials: including a contractual requirement to include fly ash in all concrete mixtures, the acquisition of re-tread tires, and purchasing cribbing manufactured from recycled plastic. According to Collins, even the carpets at Fermilab contain recovered materials. Procurement's Bob Johnson described some innovations that might help janitorial services cut-down on waste: "Currently, we are testing a bio-based window

Friday, September 9

- New England Clam Chowder
- Western BBQ Burger
- Swedish Meatballs
- Bistro Chicken and Provlone Panini
- Assorted Personal Size Pizzas
- Carved Top Round of Beef

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

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, September 14

Lunch

- Chili Crusted Pork Loin
- Apple Salsa
- Roasted Sweet Potatoes
- Apple Walnut Cake

Thursday, September 15

Dinner

- Chicken Sun Dried Tomato Rolls
- Coconut Shrimp Curry
- Lemon Grass Rice
- Ginger Souffle w/Rhubarb Sauce

[Chez Leon Menu](#)

Call x4512 to make your reservation.

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Info

a consistent manner throughout the project, expressed in IUA. ITER partner nations could then get "credit" for their share of in-kind contributions in terms of the IUA for the work packages they undertook. The ITER partner nations could "rebuild" the cost of the work packages in their home currencies.

"Two partners contributing in-kind the same component, with the same value in IUA will probably end up with very different costs in their own currencies, compared through exchange rates, because there is no world market for such components," Aymar said. He also advised scientists to keep in mind that government and diplomatic timescales are very different from scientific timescales.

—*Perrine Royole-Degieux*

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In the News

From *Nature News*, Published online on September 7, 2005

**Brian Foster, European regional
director, International Linear Collider's
Global Design Effort, Oxford, UK**

Physicist takes on large collider project.

Believing in things of a size most people can't imagine is part of a physicist's everyday life. In his work towards the proposed International Linear Collider (ILC), Brian Foster has gone from subatomic quarks and leptons to the largest linear collider ever built.

For Foster, this is the biggest step in a career that has seen him building new equipment to take discovery further and

cleaner," he said.

While Collins and Johnson's efforts are sure to pay off, it is important for each employee at Fermilab to help out. "After all the Affirmative Procurement Program is part of the Lab's overall Environmental Policy," said Collins. "Keep an open mind as you develop requirement for purchased items. If a product made from recycled materials is available, strongly consider using it."

—*Siri Steiner*



Bob Johnson is an Affirmative Procurement Officer at Fermilab. (Click on image for larger version.)

Announcements

World Year of Physics Picnic

It's the World Year of Physics and we are making a special effort to visit school children and tell them about the fun of physics. Visiting is fun too! If you would like to help, please join us at a picnic today, 12:00 - 1:00 at the Users Center. You only need to bring your enthusiasm, we will provide the rest. Even if you did not sign up, you are welcome. If you cannot come but would like to visit schools, please tell Nancy Lanning at lanning@fnal.gov.

Recreation Ticket Sales

The Recreation Office will resume selling movie tickets, entertainment book sales, canoe rentals, etc., Monday through Friday. Payment by Visa, MasterCard,

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influencing the direction of physics by advising the UK government. The ILC will be about 40 kilometres long, able to smash electrons together at 500 billion electronvolts in its search for new dimensions of space and forces of nature, and is likely to cost several billion dollars.

[Read More](#)

check, or cash will be accepted. AMC Theater Discount Tickets - \$5.75.

Entertainment Books - \$25.00. [More Information](#)

Barn Dance

Fermilab Folk Club Barn Dance Sunday, Sept. 11 at 6:30 p.m. with music by Jenniffer Jeffries and Paul Watkins and calling by Dan Saathoff. [More Information](#)

SciTech Exhibit-last chance!

September 11 is the last day of the exhibit, "Masters of the Night: The True Story of the Bats" at the SciTech museum in downtown Aurora. Learn more about these flying mammals and the hundreds of species that exist. Admission is \$7 and includes the [Outdoor Science Park](#). To obtain a \$1-off coupon, visit www.scitech.museum.

NALWO Star Party

Come see planets, the moon, star clusters, maybe a comet! Saturday, September 10, 2005 8:00 p.m. Location: Just west of Sauk Circle House. Please park on Sauk Blvd. or Sauk Circle. (In case of bad weather, this will be rescheduled) RSVP to Susan Kayser (sukayser@fnal.gov) 630.876.5998 or if you have questions.

New Classifieds on Fermilab Today

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

[Upcoming Activities](#)