

## Calendar

### Friday, July 1

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Speaker: R. Johnson, Muons, Inc.

Title: Recent Innovations in Muon Beam Cooling and Prospects for Muon Colliders at Fermilab

### Monday, July 4

Fourth of July Holiday

### Tuesday, July 5

**12:00 p.m.** Summer Lecture Series - 1 West

Speaker: R. Dixon, Fermilab

Title: Relativity

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

## Weather



Mostly Sunny **80°/56°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## ILC This Week

### Kuchler Delivers Conventional Facilities Study Update

In Wednesday's weekly International Linear Collider R&D meeting, FESS Head Vic Kuchler provided an update on the status of the conventional facilities efforts. Civil engineers at Fermilab, Stanford Linear Accelerator Center, CERN, DESY and KEK, are all currently working to identify the optimal sites for the ILC around the world.



Vic Kuchler

"We are focusing on the analysis of existing sites, rather than identifying new ones," Kuchler said. "Sites are being considered globally in Japan, Europe near the CERN area, and Northern Illinois in the United States. The Fermilab Conventional Facilities Group along with our colleagues at SLAC will begin to work with CERN, DESY and KEK to assess the sites currently under consideration."

In the United States, the Department of Energy recently stated that Northern Illinois is the location that will be considered for the ILC, but civil engineers will conduct many more studies before the ultimate site recommendation can be made. "There are many different aspects to consider when looking at sites, and to find an optimal site is not trivial," Kuchler said.

The global conventional facilities group

## Director's Corner

### The Long View

My first day "on the job" takes me far away from Fermilab, to the 2005 Lepton-Photon International Symposium in Uppsala, Sweden. After listening to the results from CDF and DZero, and having recently celebrated the achievement of 1 inverse femtobarn of integrated luminosity, I have no doubt that the Tevatron results will be among the highlights of the meeting.



Pier Oddone at the University of Uppsala in Sweden.

The University of Uppsala where the meeting is taking place was founded in 1477 and is the oldest university in the Scandinavian countries. What makes an institution live and thrive (mostly) through good and bad times for over five centuries? Will Fermilab be an exciting place to work in the year 2505? I know some of you wonder whether it will be an exciting place to work in five years, never mind five centuries - so what kind of question is this?

The enduring mission of education and inquiry constantly renews the great universities and gives them their unusual longevity. The University of Bologna, the oldest in the western world, will celebrate its millennium in a scant 83 years. In the United States, Harvard is older than the nation itself.

## Friday, July 1

Beef Pepper Pot Soup

Buffalo Chicken Wings \$4.85

Cajun Breaded Catfish \$3.75

Sweet & Sour Pork over Rice \$4.00

Honey Mustard Ham & Swiss Panini  
\$4.85

Double Stuffed Pizza \$3.50

Carved Turkey \$4.85

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.

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aims to have a comparative site assessment matrix done by the Snowmass workshop in August. Civil coordinators Fred Asiri of SLAC and Atsushi Enomoto of KEK are contributing to this matrix. By December 2005, the GDE goal for the study group is to identify a sample site for each region that will be included in the Reference Design Report for the ILC. The entire conventional facilities portion of the conceptual design document will be complete in December 2006. "There is a lot of effort going on with R&D for the ILC at Fermilab,"

Kuchler said. "The civil construction folks are very much involved in the process."

--Elizabeth Clements

### [Linear Collider News Archive](#)

#### GDE Director's Corner, June 29, 2005

"...The major ILC activity this past week was a Joint ILC-European Regional Meeting and an ILC-BDIR (Working Group 4) meeting, hosted by the Oxford/RHUL John Adams Institute at Royal Holloway, University of London, UK from 20-23 June. The BDIR workshop was part of the pre-Snowmass working group phase of the ILC design effort, and it provided an important forum for interactions between the Instrumentation and Diagnostics working groups. The newly appointed European ILC regional director, Brian Foster, addressed the meeting."

[read more](#)

### In the News

Inquiry is also the enduring mission of Fermilab. It is inquiry into the most difficult questions we ask in science, whose answers are never the end but only a new beginning, at a more profound level than before. We enhance the reach of inquiry of our partner universities and they enhance our own inquiry no matter what the future brings. We must keep this in mind when our mission takes us on a path of great promise as well as great risk, such as our efforts to host the International Linear Collider.

### Announcements

#### Weekly Time Sheets Due Today

With the upcoming Fourth of July Holiday on Monday, Weekly Time Sheets are due in Payroll by 10:00 a.m on Friday July 1, 2005.

#### Housing assignments 2005/06

July 1 is the deadline for requests for onsite housing (houses, apartments, and dormitory rooms) for the Fall/Spring of 2005-2006. Requests can be made for any period and need not commence on any particular date. To make reservations, please contact the Housing Office at 630-840-3777 or [housing@fnal.gov](mailto:housing@fnal.gov), or use the [Online Housing Request form](#). Requests for multiple housing units are best handled by email.

#### New Classifieds on Fermilab Today

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

#### Strength Training Classes

Gain strength, lean body mass and increase muscle definition with the Recreation Facility strength training classes held on Tuesday and Thursday in

## From *IC Wales*, June 30, 2005

### Scientist's probe into anti-matter speeds us to the stars

A scientist at a Welsh university has been praised for his investigation of anti-matter, the elusive "dark element" which could one day cure cancer and speed us to the stars.

Mike Charlton, a physics professor at University of Wales, Swansea, has been mentioned in dispatches by the Engineering and Physical Research Council for helping to create anti-hydrogen atoms so they can be studied.

[Read more](#)

the Recreation Facility from 5:30-6:30 PM. Registration forms can be found on the Recreation web page or in the Recreation Office. The registration deadline is the Thursday prior to the start of the session. You must be a current Recreation Member to participate.

[Upcoming Activities](#)