

### Feature Story

#### Fermilab users conduct ILC detector beam test

Peeling paint? Leaky roof? No problem. Say the words "test beam facility" to a physicist, and the opportunity to collect real physics data will wash away any aesthetic issues. Literally.



University of Texas student Jacob Smith (left) and his advisor Jae Yu assemble the GEM chamber in the Meson Test Beam Facility.

This is at least how a team of Fermilab users from University of Texas at Arlington, Louisiana Tech University and Changwon National University in South Korea, reacted to the opportunity to test their ILC detector prototype in the Meson Test Beam Facility. "The setup in the test facility is great," said Jae Yu of the University of Texas - Arlington, the lead institution for this study. "It will be a very interesting run."

[Read more...](#)

-- Elizabeth Clements

### Calendar

#### Upcoming meetings, conferences, workshops

[SiD Fermilab Workshop](#)  
Fermilab, Batavia, Illinois  
9-11 April 2007

[The LHC Early Phase for the ILC](#)  
Fermilab, Batavia, Illinois  
12-14 April 2007

[TESLA Technology Collaboration Meeting](#)  
Fermilab, Batavia, Illinois  
23-26 April 2007

MAC Meeting  
Fermilab  
26-27 April 2007

[DOE/NSF ILC Americas Regional Team Review](#)  
Fermilab

### Feature Story

#### Test Beam Encounters: ECal meets HCal

When scientists take their detector prototypes to a test beam they enter a parallel world. Many basic needs are put on hold - the need for sunlight, regular meals or eight hours of sleep, for example. What counts is the beam time: you have three days, weeks or months to test your equipment, and you have to make the best of it because you might not get another chance. A team from Japan and Korea have just reached the halfway point of their time in the DESY test beam, calibrating, checking and recording data with their electromagnetic calorimeter prototype.

[Read more...](#)

-- Barbara Warmbein



Team in the beam: Asian ECal makes measurements in the test beam at DESY

### In Memoriam

#### John Santic

Fermilab engineer John Santic passed away unexpectedly on Saturday, March 24. He was 51 years old.

At the time of his death, Santic worked with the Conventional Facilities Siting group for the ILC.

His efforts were fundamental to the completion of the ILC Reference Design Report and the associated cost estimate presented in Beijing in February. "John was an excellent engineer, a friend and a valuable member of the CFS team," said CFS Americas Regional Team Leader Vic Kuchler. "He will be sorely missed."



John Santic

[Read more](#) about John's life in an obituary published by Fermilab Today.

### Director's Corner

#### ILC Project Tools: ILCDoc - Document Search and Store

We are in the process of building an integrated set of ILC project tools for communication, data archiving, engineering, costing, scheduling and project management.

Already, we make extensive use of communication tools for organising and holding all of our meetings. The basic meeting planning tool we use is Indico, which I wrote about in a [previous column](#).

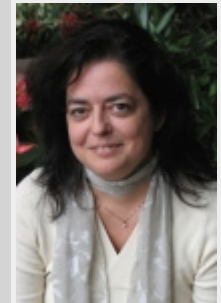
Our version is synchronised with the official CERN version and we already have more than 6000 separate events (conferences, meetings and talks) stored. We often combine Indico with "webex," a web-based meeting tool for holding scheduled on-line meetings.

Today I am announcing the official release of our next ILC project tool, the document server ILCDoc, which is based on CERN CDS-Invenio document server.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)



Maura Barone, GDE Project Tools Manager

### Announcements

#### SLAC Colloquium: The Reference Design for the ILC, Costs and What's Next

On Monday, March 26, SLAC hosted a colloquium, "The Reference Design for the ILC, Costs and What's Next." GDE Director Barry Barish presented a 30-minute introduction to the ILC's features and design status, followed by a panel discussion on the future of the project, moderated by Marty Breidenbach and featuring Barish, Jonathan Dorfan, Tor Raubenheimer, Burt Richter and Abe Seiden. The colloquium can be viewed [online](#).

#### ILC-Related Preprints

[hep-ph/0703223](#)

21 Mar 2007

Partially composite two Higgs doublet model

30 April - 2 May

[ILC Software and Tools Workshop](#)  
LAL - Orsay  
2-4 May 2007

[CALICE Collaboration Meeting](#)  
Kobe University, Kobe, Japan  
10-12 May 2007

[Annual WILGA Conference](#)  
Warsaw University of Technology  
Resort, Poland  
21-27 May 2007

[POSIPOL 2007 Workshop](#)  
LAL-Orsay, France  
23-25 May 2007



[LCWS 2007](#)  
Hamburg, Germany  
30 May - 4 June 2007

[View Full Calendar...](#)



**= Collaboration-wide Meetings**

[GDE Meetings Calendar](#)

## In the News

From *Interactions.org*  
28 March 2007  
**PPARC announces £30m for physics Grid**

Science computing in the UK has been boosted with the announcement by the Particle Physics and Astronomy Research Council (PPARC) of £30m further funding for the UK's largest scientific Grid.

[Read more...](#)

From *The New York Times*  
24 March 2007

**University of Florida Senate Denies Degree to Jeb Bush**

...Though it rejected Mr. Bush, the Senate approved two other nominees, Andrew H. Hines Jr., a mechanical engineer and former power company executive who is an alumnus, and Barry C. Barish, professor emeritus of physics at the California Institute of Technology.

[Read more...](#)

From *Science Magazine*  
23 March 2007

**LARGE HADRON COLLIDER: Stability, International Character Honed CERN's Competitive Edge**

The qualities that helped the lab make the LHC a reality could put it a step ahead in the race for the next great particle smasher.

[Read more...](#)

From *MSNBC*  
23 March 2007

**Elegant physicist makes string theory sexy**

If you're trying to impress the geeks, being a professional string theorist would have to put you pretty high up on the coolness scale. And if you're a string theorist with books, movies and TV shows to your credit, so much the better.

[Read more...](#)

## [EUROTeV Reports 2007](#)

[EUROTeV-Report-2007-005](#)  
Usability Review Report of GANMVL Prototype 2.1

## [EUROTeV Reports 2006](#)

[EUROTeV-Report-2006-044](#)  
Development of a Positron Production Target for the ILC Positron Source

## [EUROTeV-Report-2006-075](#)

The LiCAS-RTRS - a Survey System for the ILC

## [EUROTeV-Report-2006-085](#)

Surfaces Roughness Wakefields for the ILC Positron Undulator Beam Tube

## [EUROTeV-Report-2006-086](#)

Vacuum Systems for the ILC Helical Undulator

## [EUROTeV-Report-2006-088](#)

Design and Simulation of the ILC Intra-train Orbit and Luminosity Feedback Systems