

## Around the World

### Finding a Common Language — Japan Society of Civil Engineers Announces Their ILC-Related Activities to the Press



The Japanese Society of Civil Engineers presented their plans to the press.

On 29 November last year, the Japan Society of Civil Engineers (JSCE) met with the press to explain the activities and present status of their ILC subcommittee, called the Technical Committee on Civil Engineering Issues for Linear Collider Project. The LC subcommittee was launched in June 2006 (See [NewsLine 24 August 2006](#)). One of the goals is an active collaboration between civil engineers and physicists to understand the civil engineering aspects for building the ILC in Japan. The subcommittee studies the necessary planning, geological survey, design, construction and maintenance phases for the project. The LC subcommittee is the first collaboration between physics and civil engineering in Japan, and it paves the way for future collaborative research or support.

[Read more...](#)

-- Nobuko Kobayashi

## Calendar

## Feature Story

### From Fermilab Today: The final countdown: Meson Facility set for ILC Test Beam



Erik Ramberg shows off the recently renovated Meson Test Beam Facility. The facility and beamline have undergone significant improvements to host the testing of the latest generation of particle detectors.

At the opening session of the ILC Test Beam Workshop on Wednesday, participants learned how the upgraded Meson Test Beam Facility will keep pace with the high-precision measurements required by the proposed ILC. The upgraded facility is set to be commissioned next week.

[Read more...](#)

-- Christine Buckley

## In the News

From *PhysOrg.com*  
23 January 2007

### Physicists Develop Test for 'String Theory'

For decades, scientists have taken issue with "string theory"—a theory of the universe which contends that the fundamental forces and matter of nature can be reduced to tiny one-dimensional filaments called strings—because it does not make predictions that can be tested.

[Read more...](#)

## Director's Corner

### The Machine Advisory Committee Reviews the ILC Reference Design



Don Hartill, Cornell University, participating as a MAC reviewer. Note several GDE members in the background.

Our steady march toward completion and release of the ILC Reference Design Report (RDR) continued into the New Year with a Machine Advisory Committee review on 10-12 January. This important review took place in advance of our planned release of the report, which will occur at our upcoming GDE meeting in Beijing on 4-7 February. In contrast to our "internal" costing review in December, described in my [4 January 2007](#) column, this review covered both the reference design and the costing.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

## Announcements

## Upcoming meetings, conferences, workshops

### [USPAS](#)

Texas A&M University  
15-26 January 2007



[The 9th ACFA ILC Physics & Detector Workshop & ILC GDE Meeting](#)

IHEP, Beijing  
4-7 February 2007

[TESLA Technology Collaboration Meeting](#)

Fermilab, Batavia, Illinois  
23-26 April 2007

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

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= Collaboration-wide Meetings

[GDE Meetings Calendar](#)

From *PhysOrg.com*  
22 January 2007

### **New Theory of the Universe Marries Two of its Biggest Mysteries**

Physicists have devised a theory that unifies two widely studied mysteries of the universe: why there is an imbalance between regular matter and anti-matter (scientists expect to see equal amounts of each, but observe less anti-matter), and the identity of "dark matter" – the enigmatic particles thought to account for the extra gravitational pull observed in distant galaxies.  
[Read more...](#)

From *ChinaNews*  
18 January 2007

### **Scientists seek singing cosmic superstrings**

Albert Einstein theorized they are there, cosmologists can't see them, but now scientists think they may be able to hear singing cosmic superstrings that generate gravitational waves.  
[Read more...](#)

## **9th ACFA Workshop and GDE Meeting**

The organisers of the Beijing workshop have just published the [third Bulletin](#), including a useful map to print out and show to taxi drivers and information on shuttles and registration.

### **ILC-Related Preprints**

[hep-ph/0701164](#)

19 Jan 2007

Precision Calculations for Future Colliders

[hep-ph/0701156](#)

21 Jan 2007

Scalar Dark Matter Effects in Higgs and Top Quark Decays

### **EuroTeV Report**

[EUROTeV-Report-2006-106](#)

Energy Adjustment Strategy for Dispersion Free Steering at the ILC using the MERLIN Package ILCDFS