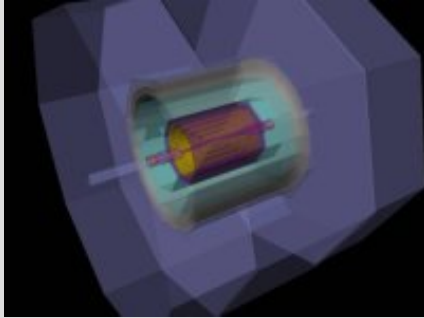


### Feature Story

#### DOE and NSF Review US Detector R&D Programme



The international community aims to select two detector concepts by the end of 2008.

The cacophonous tune of cicadas serenaded the physicists at last week's Department of Energy and National Science Foundation review of the US Detector R&D [Programme](#) for the International Linear Collider. Harry Weerts, the High Energy Physics Director at Argonne National Laboratory, where the review took place, vividly remembered the last time the cicadas visited --17 years ago when another detector milestone was in the making. "I remember it well because we were commissioning the DZero detector at Fermilab," he said. "I'm looking forward to the next time the cicadas come around and seeing what the world looks like then."

[Read more...](#)

-- Elizabeth Clements

Review talks are available [online](#)

### Calendar

#### Upcoming meetings, conferences, workshops

[Particle Accelerator Conference \(PAC07\)](#)

Albuquerque, USA  
25-29 June 2007

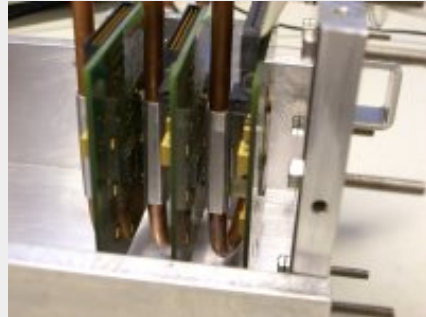
[Photon 2007](#)

Paris, France  
9-13 July 2007

[2007 Cryogenic Engineering](#)

### Feature Story

#### EUDET's Telescope



Three boards of the EUDET telescope passed the test.

Those scientists who develop detectors know a few magic words. Test beam is one, chip is one, DAQ is one. Telescope is another – and a prototype of one of these detector R&D 'wands' has just been tested in DESY's 6-GeV electron beam as part of EUDET's 'Joint Research Activity 1'. [EUDET](#) is a Europe-funded and Europe-wide project for detector R&D, and one of its core activities is to test beam infrastructures – which include the telescope. It was also the first real test beam since the start of this EUDET activity.

[Read more...](#)

-- Barbara Warmbein

### In the News

From *Interactions News Wire*  
27 June 2007

#### European astroparticle physicists publish a roadmap to the stars

To answer some of the most exciting mysteries of the Universe, European astroparticle physicists have today published a roadmap to the stars.

[Read more...](#)

From *symmetry magazine*  
May 2007

#### The Search for Dark Energy

What is this stuff that fills the vacuum of space, accelerates the expansion of the universe, and accounts for 70 percent of everything? More than two dozen experiments aim to find out.

[Read more...](#)

### Director's Corner

#### Developing a roadmap for ILC detectors

In about three years, we expect to have an engineering design (EDR) with costs and a plan for building the ILC that can serve as the basis of proposals to our funding agencies. We will also have to come forward at the same time with an associated plan for the research programme, so that it can also be assessed for funding. The timescale to build, assemble and test an ILC detector is not much shorter than for the machine, therefore funding will be required at nearly the same time. With that in mind, I have advocated for a long time to get the detector timescale onto a similar track as the machine. This is not an easy task as it involves many subtleties. At the LCWS and ILC 07 meetings at DESY a few weeks ago, the World Wide Study (WWS) co-leaders (Jim Brau, François Richard and Hitoshi Yamamoto) presented such a plan to the International Linear Collider Steering Committee (ILCSC) and the ILC community for discussion.



François Richard presented a detector roadmap to the ILC community at LCWS07

At the LCWS and ILC 07 meetings at DESY a few weeks ago, the World Wide Study (WWS) co-leaders (Jim Brau, François Richard and Hitoshi Yamamoto) presented such a plan to the International Linear Collider Steering Committee (ILCSC) and the ILC community for discussion.

[Read more...](#)

-- Barry Barish

[Director's Corner Archive](#)

### Announcements

[Conference and International Cryogenic Materials Conference](#)

Chattanooga Convention Center  
Chattanooga, Tennessee USA  
16-20 July 2007

[European Physical Society HEP 2007](#)

Manchester, UK  
19-25 July 2007

[Toward the ILC: A Fermilab Community School on R&D Challenges and Opportunities](#)

Fermilab  
25 - 27 July 2007

[2007 SLAC Summer Institute](#)

Stanford Linear Accelerator Center  
30 July - 10 August 2007

[Lepton-Photon 2007](#)

Daegu, Korea  
13-18 August 2007



= Collaboration-wide Meetings

[GDE Meetings Calendar](#)

From *symmetry magazine*

May 2007

**The Great String Debate**

Inside, the auditorium at the National Museum of Natural History in Washington, DC, was packed and humming in anticipation. Outside, a man waved a sign at stragglers hurrying for the door: "Need One Ticket for String Theory Debate." [Read more...](#)

**Join the DCR author list**

There is still time to join the author list for the Detector Concept Report. The list is open to both the ILC machine and detector communities. [more information](#)

**Visa letters for ALCPG07**

The next ALCPG and GDE meeting will be on 22-26 October at Fermilab. Information about obtaining a visa to enter the U.S. is available [online](#). Please allow at least three months for visa application processing.

**arXiv preprints**

[0706.3822](#)

26 Jun 2007

CP asymmetries with Longitudinal and Transverse Beam Polarizations in Neutralino Production and Decay into the  $Z^0$  Boson at the ILC

[0706.3155](#)

21 Jun 2007

Collider Phenomenology of Unparticle Physics

[0706.2753](#)

19 Jun 2007

Implications of right-handed neutrinos with electroweak-scale masses

**EUDET Reports**

[2007-03](#)

Estimation of radiation effects in the front-end electronics of the Electromagnetic Calorimeter

**EUROTeV Reports**

[2006-094](#)

Vacuum Systems for the ILC Damping Rings

[2007-12](#)

Study of Fill Patterns for the ILC Electron Damping Ring

[2007-13](#)

Ion Effects Estimation in the ILC Damping Ring

[2007-20](#)

Evaluation of the Component Tolerances for the ILC Main Linac Assuming Global Linear Corrections

[2007-21](#)

Study of Beam-Beam Effects with Offset and Angle Scans

[2007-22](#)

Improved 2 mrad Crossing Angle Layout for the International Linear Collider

