

### Around the World

#### Thirty perfect cavities: liftoff! European ILC-HiGrade project officially launched



ILC-HiGrade kicked off on Friday at DESY (Photo: DESY)

There are many official stages to a project financed by the European Commission – from call, proposal, negotiations, contract draft, start of work, annual reports to one of the most official events: the kick-off meeting. Europe's new flagship project on cavity production and exploration of international governance structures, [ILC-HiGrade](#) took this step last week. Representatives from all eight work packages were at DESY to present their objectives, their to-do lists and the milestones already achieved.  
[Read more...](#)

-- Barbara Warmbein

### Calendar

#### Upcoming meetings, conferences, workshops

[CALICE Collaboration Meeting](#)  
Manchester, UK  
8-10 September 2008

[ILD meeting](#)  
Cambridge, UK  
11-13 September 2008

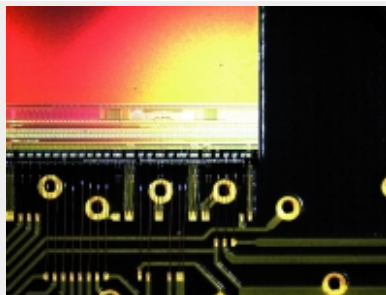
[Conference on the Design/Optimization of the Silicon Detector at the International Linear Collider](#)  
University of Colorado at Boulder, Colorado, USA  
17-19 September 2008

[Workshop of the Collaboration on Forward Calorimetry at ILC](#)  
Belgrade, Serbia  
22-24 September 2008

### Feature Story

#### From DESY inForm: Together We're Strong

An IEEE Conference satellite workshop starts at DESY



Prototype of a MAPS (Monolithic Active Pixel Sensor): Pixel sensors very similar to these built for the International Linear Collider are currently developed for the European XFEL

Faster, higher, farther! The motto of this year's Olympic Games is also valid for the development of research opportunities. But unlike the Olympic athletes who struggle to beat world records by fractions of hundredths, the development of accelerator experiments is progressing in such extreme steps that researchers have to clear completely new hurdles – their measuring instruments are too inaccurate.  
[Read more...](#)

-- Thomas Zoufal, DESY

### In the News

From *nature*  
2 September 2008  
**Physicists aflutter about data photographed at conference**  
Digital cameras snap slides ahead of publication.  
[Read more...](#)

From *New Scientist*  
2 September 2008  
**Galactic supercrash proves rarity of antimatter**  
In the early universe, the theory goes, matter and antimatter – which has the same mass as matter, but the opposite charge – should have been created in equal amounts. But as far as we can tell, our universe is made of matter.  
[Read more...](#)

### Director's Corner

#### High Energy Physics in Philadelphia — ICHEP 08

There are many conferences in high-energy physics, maybe too many! The International Conference on High Energy Physics (ICHEP) however, once affectionately called the Rochester Conference, is considered central in our field. It takes place every second year. This year the meeting was held at the University of Pennsylvania in Philadelphia. First and foremost, I want to note that the ILC was very well represented with an excellent talk by Nobu Toge from KEK. Nobu covered the ILC from the standpoints of the physics, the accelerator and the detectors.  
[Read more...](#)

-- Barry Barish

### Director's Corner Archive



International Conference on High Energy Physics 2008

### Image of the Week

#### Open House at KEK



Some new ILC collaborators "素粒子戦隊 リニアコライダー" (the Particle Power Rangers, a.k.a. Liniako Riders) made their debut at KEK's open house on 31 August. They are not only portrayed on the new and former Asian Regional Directors' t-shirts but also have their own [video](#) created by a grass-roots group "ILC

[Workshop on Sources of Polarized Electrons and High Brightness Electron Beams \(PESP 2008\)](#)

JLab, Newport News, Virginia, USA  
1-4 October 2008

#### Upcoming school

[Third International Accelerator School for Linear Colliders \(2008 LC School\)](#)

Oak Brook, Illinois, USA  
19-29 October 2008



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

From *KEK: DG's corner*  
1 September 2008

#### Two projects launched to make KEK more interactive with outside societies

We prepared KEK Project Roadmap for upcoming years last fall and the proposal was examined by the International Roadmap Review Committee last March.

[Read more...](#)

From *New Scientist Blogs*  
1 September 2008

#### Why the world WON'T end on September 10

Hurray for the European Court of Human Rights. It has rejected an emergency injunction to block the Large Hadron Collider from turning on on 10 September.

[Read more...](#)

From *PhysOrg.com*  
28 August 2008

#### The hunt for the Higgs steps up a gear

The hunt for the Higgs boson, the most highly sought-after particle in physics, received a boost this month with the release of two new results from the Tevatron particle collider at the US Department of Energy's Fermilab in Illinois.

[Read more...](#)

supporters" (Reveal-lab co and U. Tokyo, et al).

#### Announcements

##### Follow the LHC start-up live in your lab

Many labs that are involved in the LHC are planning press conferences, big bang breakfasts or even pajama parties for the planned first beam in the LHC on 10 September. Find out [here](#) what's planned at your lab or how to connect to the live webcast from CERN.

##### EUROTeV Reports

[2008-006](#)

Vibration Stabilization for a Cantilever Magnet Prototype at a Subnanometer Scale

[2008-017](#)

Simulation Studies of Correlated Misalignments in the ILC Main Linac and the Influence of Ground Motion

[2008-023](#)

Collimation Aperture for the Beam Delivery System of the International Linear Collider

[2008-024](#)

Effect of Collimator Wakefields in the Beam Delivery System of the International Linear Collider