

### Research Director's Report

**Uniting machine and detectors**  
*"Beijing will be a forum for discussions between the accelerator and the physics and detector community"*



The Chinese characters on the Beijing conference poster can be read to symbolise many things — learn more in the Research Director's Report.

*This month's Research Director's Report was written by Hitoshi Yamamoto, co-chair of the World Wide Study and regional detector contact for Asia.*

A joint international linear collider workshop, [LCWS10 and ILC10](#), will be held in Beijing from 26 to 30 March. LCWS10 is organised by the World Wide Study of the Physics and Detectors for future linear  $e^+e^-$  colliders (WWS) representing the physics and detector efforts, while ILC10 is organised by the Global Design Effort (GDE) covering the accelerator efforts. LCWS10 is the twelfth in the series of the global workshops for physics and detectors of linear colliders.

-- Hitoshi Yamamoto

[Research Director's Report Archive](#)

### BlogLine

16 March - [Frank Simon Up in the air](#)

13 March - [Frank Simon CALICE in Texas](#)

ILC NewsLine also recommends this ILC and science fiction related blog entry: [A physicist watches prime time \(USLHC blog\)](#)

[Follow all Quantum Diaries](#)

### Feature Story

**From symmetry breaking: Demystifying the LHC shutdown**  
*Today's issue features a story about the future plans for the LHC at CERN*



The future of the ILC depends on results from the LHC, which is about to enter a long period of running.

Image: CERN

Yesterday the science news media and twitterverse were abuzz following a BBC News article announcing "[LHC to shut down for a year to address design faults.](#)" Readers — and the news outlets that frantically re-reported the BBC article — assumed that CERN had found a new problem with the LHC and announced an imminent shutdown. Neither is the case. Here, we join our fellow science [writers](#) and [bloggers](#) in setting the record straight about the LHC's next long shutdown.

-- Katie Yurkewicz

### In the News

From *NPR*  
 16 March 2010

**One Universe Too Many? String Theories, The Multiverse And The Future Of Physics**

Either there is far more Universe to the Universe than we ever expected or the frontiers of physics may be wandering into a mathematically beautiful but ultimately sterile aether of dubious substance.

[Read more...](#)

From *Science News*  
 March 2010

**Contemplating Future Plans for Particle Colliders**

"...If you look at how particle physics has been done over the last decades, it's been a combination of two complementary techniques — colliding hadrons and colliding electrons... If we project into the future what we think the science is going to be like at the Large Hadron Collider, it is going to again be true that you are going to want an electron machine to

### Director's Corner

**Path forward following the AAP Review**



Bill Willis, co-chair of the AAP, and Chris Damerell, AAP member, in discussion during the Oxford meeting

I have been preaching about the importance of having in-depth critical technical reviews of our work for some time, and used those arguments to motivate the creation of a new review mechanism for the Global Design Effort R&D programme based on an "internal" technical committee, the [Accelerator Advisory Panel](#) (AAP). The AAP is now functioning and carrying out reviews of our work that are providing us with the type of critical feedback and recommendations we seek. The last review by the [AAP in 'snowy' Oxford](#) focused on the AAP's assessment and recommendations regarding the "[SB2009 proposal](#)" for changes to the ILC baseline. Today, I circulate this [AAP review report](#), as well as our [revised plan](#) for moving forward that is a result of taking their recommendations into account.

-- Barry Barish

[Director's Corner Archive](#)

### Image of the Week

**Deep in the heart of Texas**



The CALICE collaboration met at the University of Texas at Arlington last week. More about the meeting and its results in a future issue of *ILC NewsLine*!

## Calendar

### Upcoming meetings, conferences, workshops



[International Linear Collider Workshop 2010 \(LCWS10 and ILC10\)](#)  
Institute of High Energy Physics,  
Beijing, China  
26-30 March 2010

[XIV International Conference On Calorimetry In High Energy Physics \(CALOR2010\)](#)

IHEP, Beijing, China  
10-14 May 2010

[The 1st International Particle Accelerator Conference \(IPAC'10\)](#)

Kyoto, Japan  
23-28 May 2010



= Collaboration-wide Meetings

[GDE Meetings calendar](#)

[View complete ILC calendar](#)

complement and to fully realize that..."

[Read more...](#)

From *Bergische Universität Wuppertal*  
15 March 2010

### Physiker Prof. Christian Zeitnitz managt Millionen-Projekt

"Prof. Dr. Christian Zeitnitz, Wuppertaler Physiker, wird wissenschaftlicher Manager der Helmholtz-Allianz „Physik an der Teraskala“, ein 25 Millionen Euro-Projekt, das unter Federführung des Deutschen Elektronen-Synchrotrons DESY betrieben wird..."

[Read more...](#) (in German)

## Announcements

### HEPAP slides

The US High Energy Physics Advisory Panel (HEPAP) met last week. The slides accompanying the presentations are available online [here](#)

### arXiv preprints

[1003.3156](#)

Search for Top Quark FCNC Couplings in Z' Models at the LHC and CLIC

[1003.2650](#)

Recent Developments in Detector Technology