

## Research Director's Report

### Detector groups work out their work plans



ILD Detector group meeting in Paris last January. Image: Perrine Royole-Degieux

In my [report](#) of last December, I wrote about detector activities in the new phase after validation. One of them was the effort of the two detector groups, ILD and SID, to make the work plans towards their detailed baseline design aimed to be ready in 2012. The groups handed me their first versions in October last year. However, they were given with a caveat that there were uncertainties that would need some time to solve. They have been trying to refine their work plans.


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-- Sakue Yamada

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## 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](#)

## Feature Story

### From symmetry breaking: Do particle theorists have a blind spot?



Symmetry breaking reports from the American Physical Society meeting in Washington, DC.

In a provocative section of a talk at the American Physical Society meeting in Washington, DC, yesterday, theorist Matthew Strassler from Rutgers University challenged particle theorists to not be too simple in their analyses. Most people would probably not claim that theoretical particle physics is too simple, but Strassler argued that nature is likely to be even more complicated than physicists expect. And if theorists only properly examine the simplest classes of models, where simple is a relative term, they might be led astray in interpreting future Large Hadron Collider data. Physicists know that the Standard Model of particle physics is broken, but they don't yet know how to fix it. The general approach is to augment the Standard Model with new particles, forces, or phenomena and see what those extended theories predict. Then when experimenters gather more data, they will be able to see which theories might best reflect reality.

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-- David Harris

## In the News

From *SLAC Today*  
16 February 2010  
**New Leadership for FACET Project and the Accelerator Design Department**  
[Read more...](#)

From *Brookhaven National Laboratory*  
15 February 2010  
**'Bubbles' of Broken Symmetry in Quark Soup at RHIC**  
[Read more...](#)

From *Science News*  
13 February 2010  
**Powerful collider set to smash protons**  
[Read more...](#)

## Director's Corner

### Change has come to linearcollider.org: take a tour of the renewed ILC website

Today's column is jointly authored by Maura Barone, manager of the project and collaborative tools for the ILC, and Barry Barish, GDE Director



A screenshot of the new ILC website homepage

Welcome to the new linearcollider.org! Ever since its inception, the goals of the ILC website have been to "provide one-stop shopping" for information about the ILC project and to do the crucial bridging of the great geographical distances separating those of us who are developing the ILC design. This is behind the continual demand for us to have an informative and a functional website, as well as one that is attractive and easy to use. Keeping this strategic vision in mind, we embarked on an ambitious project to improve our website by modernising the existing design, updating the content and upgrading the technology at the same time. We are proud to present the result that you see today as the new [www.linearcollider.org](http://www.linearcollider.org) website.

[Read more...](#)

-- Maura Barone and Barry Barish

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## Announcements

**arXiv preprints**  
[1002.2206](#)  
The theory and phenomenology of perturbative QCD based jet quenching

[1002.1967](#)  
Goldstini

[View complete ILC calendar](#)

From *CERN*  
12 February 2010  
**AMS experiment embarks on first leg of mission into space**  
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From *CERN News*  
11 February 2010  
**Romania becomes a candidate for accession to CERN**  
[Read more...](#)