

Around the World

ECFA meets at DESY



ECFA hopes that initiatives like EUDET will continue the detector development effort in Europe.
Photo: DESY

In their [meeting](#) a couple of days ago at DESY, ECFA, the European Committee for Future Accelerators, got a complete update on all present and future particle physics activities in Europe. They also discussed the ILC and its potential: "We think it is important to remember that

particle physics in Europe is more than the LHC," says the current ECFA chair Karlheinz Meier from Heidelberg university in Germany. "The community has to plan now, gather facts and lay foundations for future projects, and the ILC is a very good example for this."

[Read more...](#)

-- Barbara Warmbein

Calendar

Upcoming meetings, conferences, workshops

[34th International Conference on High Energy Physics \(ICHEP'08\)](#)

Philadelphia, USA
29 July - 5 August 2008

[CALICE Collaboration Meeting](#)

Manchester, UK
8-10 September 2008

[ILD meeting](#)

Cambridge, UK
11-13 September 2008

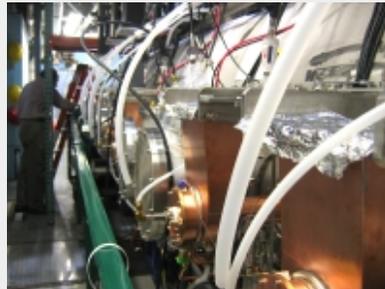
[Conference on the Design/Optimization of the Silicon Detector at the International Linear Collider](#)

University of Colorado at Boulder, Colorado, USA
17-19 September 2008

Feature Story

Time to recover

Cornell University is testing a prototype injector for an Energy Recovery Linac



Finishing touches to the ERL prototype injector at Cornell.

In a linear accelerator, energy conservation is not really on the achievement list. To get up to the required luminosity, accelerator experts have one chance to push the particle beams to their limits, putting much energy into the bunches, correcting, scraping and tweaking them along the way only to smash them into each other and direct the straggly remains into a dump. Not so an Energy Recovery Linac, currently at the design and first prototype stage at Cornell University. The electron beams also get dumped after one run, but before that happens, they are tricked into handing over their energy back to the superconducting machine that accelerated them.

[Read more...](#)

-- Barbara Warmbein

In the News

From *symmetry breaking*
29 July 2008

Rapping the LHC

...The rap is the brainchild of Kate McAlpine, a.k.a. alpinekat, a freelance science writer and one of the editors of the ATLAS e-News.

[Read more...](#)

Director's Corner

New hope for Europe

My last Director's Corner in [January](#) summarised the situation in Europe as far as it could be discerned through the still-settling dust after "Black December". Six months later, it is appropriate and useful to revisit the new landscape in Europe. The good news is that very little has changed outside the UK. The strong involvement in many of the other European states has not been affected by "Black December"; fortunately, it has been recognised for what it was, a one-off, knee-jerk reaction to a funding shortfall, rather than any sort of considered judgement as to the merit of the ILC project or the ongoing R&D programme.

[Read more...](#)

-- Brian Foster



Brian Foster

Director's Corner Archive

Image of the Week

SLAC celebrates Jonathan Dorfan



The word most used on the SLAC campus on 24 July was without a doubt 'Jonathan'. With nearly 300 international guests and speeches and celebrations moving from the Panofsky Auditorium to the SLAC Green to the Stanford Faculty Club, the symposium honouring former SLAC-Director Jonathan Dorfan's career and leadership of the lab was a huge success.

Photo: Seth Restaino, SLAC

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 *Innovation le Journal*
29 July 2008

LHC : Confirmer la présence d'autres dimensions

L'observation de la vie de ces particules pourrait mener à la découverte de particules super symétriques, des répétitions de particules connues à des masses plus grandes.
[Read more...](#)

From *Discover Magazine*
24 July 2008

The Extremely Long Odds Against the Destruction of Earth

Don't be too concerned that the world's largest particle accelerator is about to go online.
[Read more...](#)

From *interactions*
24 July 2008

First e+e- Collision at BEPCII / BESIII

On late Saturday afternoon July 19, researchers at the Chinese Academy of Science's Institute of High Energy Physics in Beijing produced for the first time collisions in the upgraded BEPC-II electron positron collider that were observed in its brand new associated detector called BES-III.
[Read more...](#)

Announcements

arXiv preprints

[0807.3847](#)

SO(3) Gauge Symmetry and Nearly Tri-bimaximal Neutrino Mixing

[0807.3775](#)

Looking up at seesaw and GUT scales from TeV