

## Feature Story

### Geneva part 2



Impressions from Geneva (click to view photo album). Images: CERN, Nobu Toge and Perrine Royole-Degieux

As the first in a planned series of workshops, the [International Workshop on Linear Colliders](#) had many accomplished missions on the agenda. The ILC, for example, has passed its self-imposed fifty percent mark: half of the nine-cell superconducting radiofrequency cavities produced in the world now reach the desired gradient. The Compact Linear Collider Study (CLIC) has shown that it can generate a high-intensity drive beam by beam manipulation. And both linear collider communities have demonstrated that they get mutual benefit from working together on common issues and meeting once a year to discuss them in plenary.

[Read more...](#)

-- Barbara Warmbein

## BlogLine

24 October - [Frank Simon CALICE goes Digital](#)

22 October - [Frank Simon Linear Colliders in Geneva](#)

[Follow all Quantum Diaries](#)

## Calendar

### Upcoming meetings, conferences, workshops

[2010 IEEE Nuclear Science Symposium and Medical Imaging Conference](#)

Knoxville, Tennessee, USA  
30 October - 6 November 2010

[SiD Workshop](#)

University of Oregon, Eugene, Oregon, USA

## Around the World

### "Set it and forget it!"



The S-1 global experiment at KEK's STF with collaborators from Fermilab, working on the compensation of Lorentz force detuning. Image: Nobu Toge

Fermilab and KEK scientists recently hooked up a new cavity tuning system to the various cavities in the so-called cavity-tuner zoo at KEK. This zoo, comprising eight superconducting radiofrequency cavities fabricated by four different vendors from three different regions, was the testing ground for a new development in what is called Lorentz force detuning (LFD) compensation. [Read more...](#)

-- Leah Hesla and Rika Takahashi

## In the News

From *Wired*  
27 October 2010

### Physicists Vote to Run Tevatron for 3 More Years

Right now we have a track record of success. Only in the last year has the Tevatron been in the Higgs game, where we're able to make statements about the Higgs particle," Roser said. "It would be a shame to be in that regime and just turn it off.

[Read more...](#)

From *Popular Science*  
25 October 2010

### Japan's Giga-Sensitive Neutrino Experiment, Modeled In Balloons

British artist Nelly Ben Hayoun has thoughtfully built a 72-foot-long replica of Super-Kamiokande out of Mylar balloons, where guests can sail through the expanse of pseudo-photomultipliers by just shelling out 5 pounds and tugging on a Tyvek protective coverall.

[Read more...](#)

From *Discover Magazine*  
25 October 2010

### It's full of stars!

## Director's Corner

### The first joint ILC and CLIC workshop, IWLC10 in Geneva

Today's issue features a Director's Corner from Peter H. Garbincius, Global Design Effort Cost Manager.



Steinar Stapnes (left) and Jean-Pierre Delahaye answering questions on CLIC R&D programme. Image: Peter Garbincius

The International Linear Collider community has typically held major meetings twice a year where the accelerator and physics & detector people come together, both to review the status of and make progress in their own disciplines, and to work together in areas of mutual concern, such as the beam and luminosity requirements to attain the desired science goals. This year, the International Workshop on Linear Colliders (IWLC2010), organised by the European Committee for Future Accelerators (ECFA), was noteworthy in that it was the first joint workshop for *both* ILC and CLIC – an electron-positron Compact Linear Collider Study based on room-temperature radio frequency technology operating at three teraelectronvolts (TeV) – including the accelerator and detector & physics groups for both the ILC and for CLIC.

[Read more...](#)

-- Peter Garbincius

## [Director's Corner Archive](#)

## Announcements

### ILC Internal Document

[2010-049](#)

Project Managers' Report - August and September 2010

### arXiv preprints

[1010.4633](#)

Single production of the doubly charged Higgs boson via  $e\gamma$  collision in the Higgs triplet model

15-17 November 2010

[X-Band Structures, Beam Dynamics and Sources Workshop \(XB-10\)](#)

Cockcroft Institute, Daresbury, UK  
30 November - 3 December 2010

#### Upcoming schools

[Fifth International Accelerator School for Linear Colliders](#)

Villars-sur-Ollon, Switzerland  
25 October - 5 November 2010

[US Particle Accelerator School \(USPAS\)](#)

Old Dominion University, Hampton, Virginia, USA  
17-28 January 2011

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#### [GDE Meetings calendar](#)

[View complete ILC calendar](#)

The good folks at European Space Agency just released this gorgeous Hubble picture of the globular cluster NGC 1806

[Read more...](#)

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From *RIA Novosti*  
22 October 2010

#### **Le collisionneur ILC peut être construit en Russie**

Lorsque l'on aura tiré les enseignements du travail sur le LHC, lorsque les orientations des recherches à conduire ultérieurement seront claires, on définira les objectifs du futur accélérateur ainsi que les paramètres précis de sa construction, relève Andrey Seryi.

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

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From *Times Higher Education*  
21 October 2010

#### **Spending on pure science 'needs to be protected'**

Dr Evans, who led the Large Hadron Collider since its first designs were drawn up in 1993, said keeping the public informed and excited about the project is "part of our job", and he welcomed the media attention it had attracted - even if it had not always been for the right reasons.

[Read more...](#)

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From *Telegraph.co.uk*  
20 October 2010

#### **Spending Review: Science budget escapes swingeing cuts**

The research community, which had been expecting a "catastrophic" 20 per cent cut in grants, said the move was a huge "vote of confidence" for British science.

[Read more...](#)