



Linear collider communications

Perrine Royole-Degieux (CNRS/IN2P3)



Our tools and channels

LC website

public and internal pages,
calendar, jobs, publications...

<http://www.linearcollider.org/>

LC NewsLine

every 2 weeks, on Thursdays

<http://newsline.linearcollider.org/>

LC NEWSLINE
THE NEWSLETTER OF THE LINEAR COLLIDER COMMUNITY

CURRENT ISSUE
26 NOVEMBER 2014

AROUND THE WORLD
Vertical wonder
by Joykrit Mitra

Vertical wonder
CERN-KEK offices established

A successful Linear Collider workshop in Belgrade - and planning the main LC workshops in 2015

Summer students reunite at test beam

They want the ILC!
#mylinearcollider

Download the current issue as a full pdf [\[i\]](#)

ANNOUNCEMENTS

Early edition of LC NewsLine this week

Because of the Thanksgiving holiday in the United States this Thursday, we are publishing an early edition of LC NewsLine this week. The publication will return to its normal schedule in December.

CALENDAR

Upcoming Events

8th Annual Helmholtz Alliance Workshop on "Physics at the Terascale" DESY, Hamburg, Germany 01. - 03. December 2014

[View complete calendar](#)

PREPRINTS

ARXIV PREPRINTS

1411.6556 Exotic leptons at future linear colliders

1411.5805 Collider phenomenology of the 4D-composite Higgs model

1411.4924 ECPA Detector R&D Panel, Review Report

1411.4874 A Multi-MW Proton/Electron Linac at KEK

1411.4709 Terahertz-driven linear electron acceleration

1411.4431 Performance of fully mounted detector planes forward calorimeter of a Collider detector

US scientists, with assistance from private industry have designed the newest iteration of a special chip with a 3D integrated circuit, for the ILC's vertex detector that will help measure properties of incoming particles at a higher resolution than previously achievable. The ILC is now another step closer to being an engineering reality.

FEATURE

CERN-KEK offices established

CERN and the Japanese high-energy accelerator research laboratory KEK have a long history of collaboration. An agreement signed at KEK on 21 November puts this on even firmer ground: both labs will establish CERN-KEK offices to increase the collaborative effort on accelerator R&D and construction projects of mutual interest.

DIRECTOR'S CORNER

A successful Linear Collider workshop in Belgrade — and planning the main LC workshops in 2015

by Steinar Stennes

After a successful linear collider workshop last month, which saw progress in site-specific studies for the ILC and detector optimisation for both ILC and CLIC detectors (and more), Steinar Stennes is looking ahead to next year's workshops in Japan and Canada.

VIDEO OF THE WEEK

They want the ILC!
#mylinearcollider

IFIC Spanish group in Valencia shares its support to the ILC project

Video: ©2014 IFIC

IMAGE OF THE WEEK

Summer students reunite at test beam

by Barbara Warmein

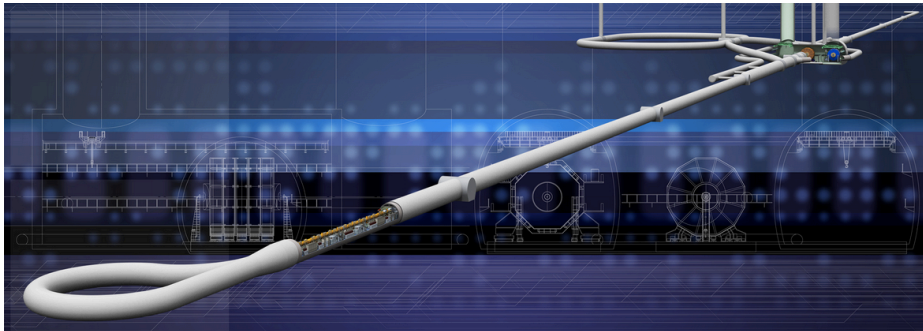
I want the ILC! by



Our tools and channels (2/3)

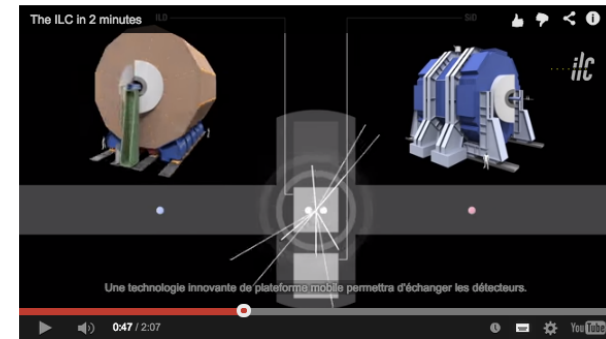
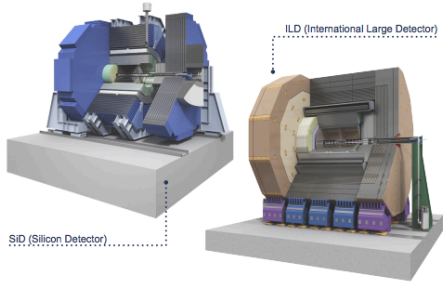
Images, animations, one-pagers...

<http://www.linearcollider.org/images/>



© Rey.Hori/KEK

The International Linear Collider in 2 minutes

SID (Silicon Detector)

ILD (International Large Detector)

Experimental hall	Hall size	25 m x 142 m x 42 m (height)
The ILD detector in detail	Height	~ 16 m
	Length	~ 14 m
	Weight	~ 14,000 tonnes
	Superconducting solenoid	3.5 teslas
Detectors	Vertex detector spatial resolution	3 μm
	Central tracker (TPC) spatial resolution	60 μm (220 layers)
	The SID detector in detail	
	Height	~ 14 m



Our tools and channels (3/3)

Social media

Facebook page (1491 likes)

<https://www.facebook.com/internationallinearcollider>

Twitter account (1250 followers): @LCNewsLine

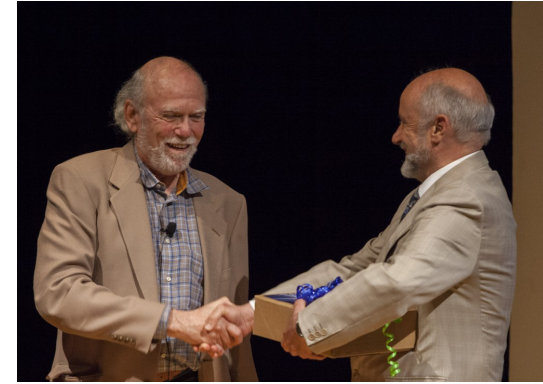
<https://twitter.com/LCNewsLine>

Youtube channel

<http://www.youtube.com/user/ILCcommunication>



TDR release in 2013



<http://press.web.cern.ch/fr/press-releases/2013/06/laccelerateur-de-particules-de-nouvelle-generation-est-pret-pour-la-phase-de>

<http://press.web.cern.ch/press-releases/2013/06/next-generation-particle-accelerator-ready-construction-international-linear>



General public brochure and website



<http://www.linearcollider.org/from-design-to-reality/>



« The ILC guide to Kitakami »

Communicators visited the site in February, toured the ILC site and discussed with local officials.

3 special issues of *LC NewsLine* so far:

<http://newsline.linearcollider.org/2014/02/20/>

<http://newsline.linearcollider.org/2014/04/17/>

<http://newsline.linearcollider.org/2014/09/18/>

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20 FEBRUARY 2014

Special issue: The ILC guide to Kitakami

How do foreigners get around in Japan? What are the problems they encounter and what are the experiences that they make? And what can be done to make lives easier for scientists from around the world who come to settle in Japan when (if) the ILC is being built and operated? The European LC communicators inspected the Kitakami ILC site while being filmed by Japanese communicator Rika Takahashi.

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ARCHIVE PREPRINTS

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1411.4431 Performance of fully instrumented detector planes of the forward calorimeter of a Linear Collider detector

AROUND THE WORLD

The road to Kitakami
by Barbara Warmben
 Our mission was clear: we were the testers, the vanguard. In early February, the two European LC communicators travelled to Japan for three days to a. find our way around the Japanese transport system, b. be filmed doing so, c. find entry points of improvement potential for foreigners about to make the same experience, and d. start a communication model for the future multi-national laboratory. Here is how it all played out.

FEATURE

The Big ILC Kitakami Iwate Tohoku Glossary
by Barbara Warmben
 Are you confused yet? Is Kitakami a mountain or a town, a river or a region? What's "Iwate" and what does it have in common with Sendai? Here's a glossary to help you understand all those new words and look them up before you go. Oh, and by the way: Kitakami is all of the above and Iwate and Sendai are all in the Tohoku region of Japan...

DIRECTOR'S CORNER

Future Colliders: A strategic perspective
by Harry Weerts
 Over the past decades, colliders have defined the energy frontier in particle physics. Currently there are four studies worldwide: ILC, CLIC, FCC and a muon collider. Each high-energy physicist can argue about which one of these should be pursued and have his/her own preference. However, considering the strategic aspect and the time scale involved in realising these machines, the ILC is the natural next energy frontier machine. Harry Weerts, Americas



Support from the local community





The #mylinearcollider video campaign

"Expert panels are evaluating whether Japan should host the project. The panel is seeking compelling and articulate arguments to justify a project of this scale. Of course, the scientific case and technical and social value of the ILC are important, however, **the most important factor is the passion of the scientists who wish to realise the ILC.**"

Lyn Evans ([LC NewsLine](#) 30 October 2014)



What you could say in the video...

Your message can contain the following statements:

- Your name and name of institution or country
- Why you think you need the ILC
- What you want to do when the ILC is built
- Your will to come to the ILC site
- Any message to back up the realisation of the ILC

more info here

<http://newsline.linearcollider.org/2014/10/02/take-part-in-the-mylinearcollider-campaign/>



417 messages online so far (since oct.)



<https://www.youtube.com/watch?v=Z9HTX3299dU&list=PL1h93oc7tD6wvnFJyuPBsy-lqW8TTbQhX>



The team

3 communicators:

- Rika Takahashi (KEK)
- Barbara Warmbein (DESY/CERN)
- Perrine Royole-Degieux (CNRS/IN2P3)



communicators@linearcollider.org reaches us all