



# Explaining the ILC

Barbara Warmbein

DESY PR, LC communications, CERN press office



## Critical time to explain the ILC

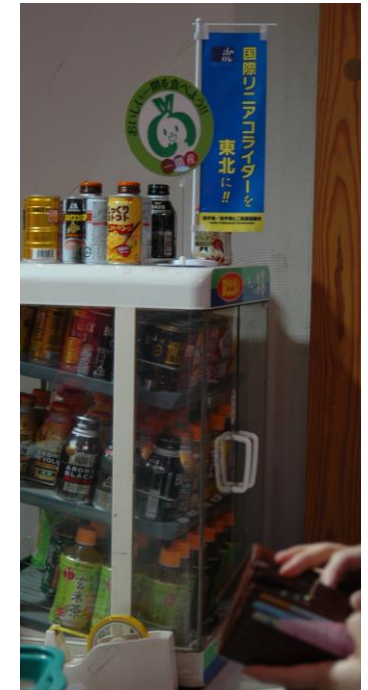
- R&D for ILC is making progress, but slowly
- Europe, US wait for a sign from Japan
- Japan waits for a sign from Europe
- Support for particle physics is very high (thank you LHC!)
- “quote Rika”
- Other projects are taking shape

# The landscape of future colliders





# Support in the Kitakami region

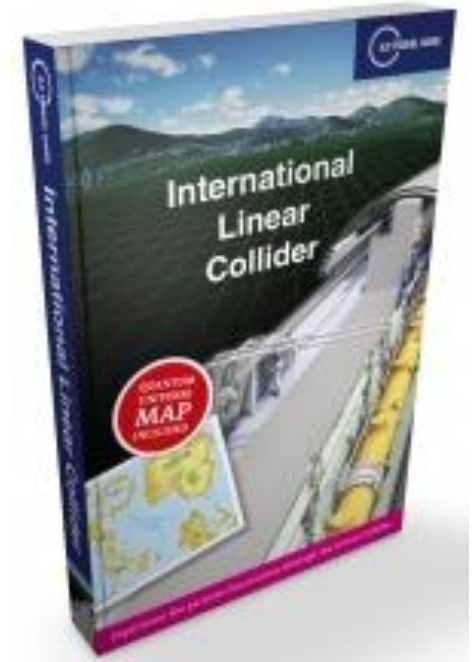


# Support in the Kitakami region – a guide

Relevant pages in English:

- Iwate prefecture's [tourism facebook page](#)
- [information for foreign Iwate residents in English](#)
- the [ILC promotion council of Iwate prefecture](#)
- [Ichinoseki city's ILC Promotion Division facebook page](#)
- [Ichinoseki's ILC website](#)
- [Oshu ILC Promotion Division facebook page](#)
- [Oshu's ILC website](#)
- [Kesen-numa facebook page](#)
- [ILC Support Committee facebook page](#)
- [Kitakami videos and "Oshu for You" videos](#)
- the [official ILC facebook page](#)

And if you're still confused about all the terms and names and places, check out the [Big ILC Kitakami Iwate Tohoku Glossary](#).





## ...but there's also doubt

Survey amongst over 1000 school children in Oshu city revealed many had heard of the ILC, some were interested, but some were also afraid:

“Will they destroy our countryside?”

“Is it dangerous?”

“Is it noisy?”

“Will it make everything more expensive?”

“Will Fukushima be repeated?”

“We will not understand the researchers”

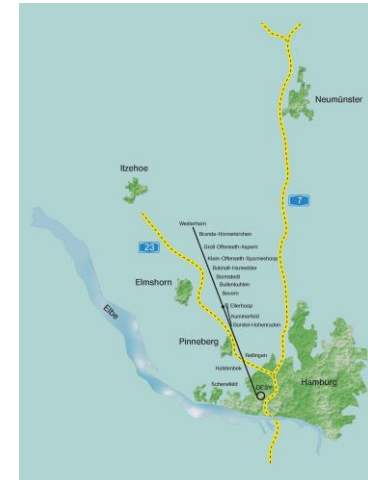
“What about the radiation?”

→ More soon in LC NewsLine

## ...back in TESLA times...

Before the BMBF pulled the plug in 2003, DESY was extremely active in reaching out to potential neighbours of the TESLA project. DESY went to the villages, collected and presented facts, held town hall meetings, created an exhibition etc.

This is exemplary!



Not everybody liked it though.

# Excursion: “pulling the plug” PR



HAUSANSCHRIFT Hannoversche Straße 28-30, 10115 Berlin  
 POSTANSCHRIFT 11055 Berlin  
 TEL 01888 57-50 50  
 FAX 01888 57-55 51  
 E-MAIL presse@bmbf.bund.de  
 HOMEPAGE www.bmbf.de

## Presse- mitteilung

05.02.2003  
16/03

### Bulmahn gibt grünes Licht für Großgeräte

#### „Damit sichern wir die internationale Spitzenstellung der deutschen Grundlagenforschung“

Die Grundlagenforschung mit Großgeräten erhält in Deutschland einen neuen Schub. Bundesforschungsministerin Edelgard Bulmahn stellte am Mittwoch in Berlin ihre Pläne vor. „Das erste Konzept für Großgeräte in der Grundlagenforschung seit über zehn Jahren gibt der deutschen Forschungslandschaft Perspektiven und Planungssicherheit für die Zukunft“, erklärte die Ministerin. Die naturwissenschaftliche Grundlagenforschung habe in Deutschland eine große Tradition. Ihre Erfolge seien untrennbar mit dem Einsatz von Großgeräten an nationalen und internationalen Forschungszentren verbunden. „Mit dem jetzigen Konzept startet die hervorragend aufgestellte deutsche Grundlagenforschung in ein neues erfolgreiches Jahrzehnt“, so Bulmahn.

Bundesforschungsministerin Bulmahn stützt sich bei ihrem Konzept auf die Empfehlungen aus der Wissenschaft. Erstmals hat der Wissenschaftsrat im Auftrag des Bundesforschungsministeriums eine Empfehlungsliste für ein solches Vorhaben ausgearbeitet. Von neun vorgeschlagenen Projekten schlug der Rat zwei zur direkten Umsetzung vor. Bulmahn will neben diesen zwei weitere vom Wissenschaftsrat sehr gut bewertete aber mit Auflagen empfohlene Projekte fördern.

DESY HOME | FORSCHUNG | AKTUELLES | ÜBER DESY | KONTAKT



Home / Aktuelles / Archiv (vor 2010) / 2003 / XFEL-ILC 05.02.

## Rückenwind für TESLA!

DESY begrüßt die BMBF-Entscheidung zu Großgeräten



1. DESY soll den TESLA-Röntgenlaser erhalten, der als europäisches Projekt realisiert werden soll, wobei Deutschland wegen der Standortvorteile die Hälfte der Kosten übernimmt.

2. Es wird heute kein deutscher Standort für den TESLA-Linearbeschleuniger vorgeschlagen. Die Entscheidung hängt damit zusammen, dass dieses Projekt in einer Weltkollaboration betrieben werden soll. Bevor eine Standortentscheidung zum TESLA-Linearcollider getroffen wird, sollen die Entwicklungen auf internationaler Ebene abgewartet werden. Die international eingebetteten Forschungsarbeiten zu dem Projekt sollen von DESY fortgesetzt werden, um eine deutsche Beteiligung an einem späteren globalen Projekt zu ermöglichen.

Nachdem die beiden TESLA-Projekte im November vergangenen Jahres vom Wissenschaftsrat mit hervorragenden Noten beurteilt worden sind, hat die Bundesforschungsministerin, Edelgard Bulmahn, heute ihre Entscheidung zu den geplanten Großgeräten bekannt gegeben:

„DESY begrüßt die schnelle und richtungsweisende Stellungnahme des Bundes zu den

Forschungsgroßgeräten und sieht darin eine enorme Chance für TESLA. Sie stärkt die Helmholtz-Gemeinschaft in ihrer Rolle als Betreiberin großer Forschungsanlagen“, so die erste Reaktion des Vorsitzenden des DESY-Direktoriums, Professor Dr. Albrecht Wagner. „Mit der Möglichkeit, den TESLA-Röntgenlaser als europäisches Projekt bei DESY zu verwirklichen, ergeben sich für Deutschland und Europa herausragende Forschungsperspektiven. Für den längerfristig angelegten Linearcollider für die Teilchenphysik sollen die internationalen Forschungsarbeiten bei DESY fortgesetzt werden.“



# How do you come in?

We might as well do something while we wait for a sign from Japan:

- issue the Tokyo Statement (tick)
- Subscribe to, read and contribute to *LC NewsLine*
- Get active on social media – facebook, twitter (even snapchat if you want)
- Show support there
- Record more #mylinearcollider videos



#girlswithtoys



# LC NewsLine newslines.linearcollider.org

- Bi-weekly online publication about linear collider news
- The place for latest news on R&D projects, test beams, fun facts and messages from the management
- 2,200 subscribers, some 5000 visitors/month
- Subscribe at <http://newslines.linearcollider.org/subscribe/>

### Summer students reunite at test beam

Share |

Barbara Warmbein | 26 November 2014



Many physicists have extremely fond memories of their time as a summer student at labs like DESY in Germany or CERN in Switzerland. Some even describe it as pivotal because they decided to choose particle physics as their area of specialisation after being immersed in a real research environment, surrounded by people with the same goals, having their own research project to work on and making lots of new friends.

One project at DESY that receives summer students every year is the analogue hadronic calorimeter prototype. And it seems to be one of those that inspires students to stay in particle physics: at a recent test beam of the calorimeter at CERN, four consecutive generations of former DESY summer students (and their supervisor) were around to take shifts and data. From left to right: Lloyd Tah (University Shinshu, summer student 2014), Shion Chen (University of Tokyo, summer student 2013), Eldwan Brianne (DESY, summer student 2012), Mathias Reinecke (DESY, AHCAL electronics and summer student supervisor), and Oskar Hartbrich (DESY, summer student 2011).

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AHCAL | CERN | DETECTOR R&D | ILD | TEST BEAM



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## NEWSLINE

THE NEWSLETTER OF THE LINEAR COLLIDER COMMUNITY

CURRENT ISSUE  
28 MAY 2015

28 MAY 2015

Field trip to a model lab  
Crossing technical and cultural borders  
"A large operation of cooperation"  
Future large colliders in Asia - a personal perspective  
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### DIRECTOR'S CORNER



### Field trip to a model lab

by Akira Yamamoto

A delegation from Kesen-Numa City, from Japan, led by the Mayor Mr. Shigeru Sugawara, visited CERN and the area around it from 18 to 20 May. The group consisted of 16 representatives from the city's Council, the Commercial and Industry Association, the Board of Education, the Reconstruction and Policy Planning Division and many other official bodies. They visited CERN to gather information on how a working laboratory functions and what it needs.

### CALENDAR

#### Upcoming Events

Meeting of the American Physical Society Division of Particles and Fields (DPF 2015)  
Ann Arbor, Michigan, USA  
04- 08 August 2015

View complete calendar

### PREPRINTS

#### ARXIV PREPRINTS

1505.06981  
Interference effects on Higgs mass measurement in  $e^+e^- \rightarrow H(\gamma\gamma)Z$  at CEPC

1505.06020  
A precise characterisation of the top quark electroweak vertices at the ILC

### AROUND THE WORLD

#### Crossing technical and cultural borders

EU project E-JADE fosters exchange between European and Japanese researchers

by Barbara Warmbein



Accelerator experts from Europe and Japan have a long history of cooperation for projects such as ATF at the Japanese lab KEK, and of course the Large Hadron

Collider at CERN. A new EU-funded project makes sure that cooperation continues with future projects like the high-luminosity LHC, the Future Circular Collider FCC, CLIC, the ILC and many more. The first researcher (from the German

### AROUND THE WORLD

#### Future large colliders in Asia – a personal perspective

by Jie Gao



With the discovery of the Higgs particle at the Large Hadron Collider at CERN in July 2012, after more than 50 years of searching, particle physics has finally entered the era of the Higgs, and the door for human beings to understand the



# Social media...



...are often underestimated, but a powerful tool.

- Twitter: @LCNewsline  
#linearcollider, #mylinearcollider  
1,491 followers, some influential  
Send us your ID so we can follow you
- facebook: www.facebook.com/internationallinearcollider  
1,986 likes

updates as often as possible  
mostly LC-related, but also particle physics in general  
post stuff on our timeline, send us your news  
by email

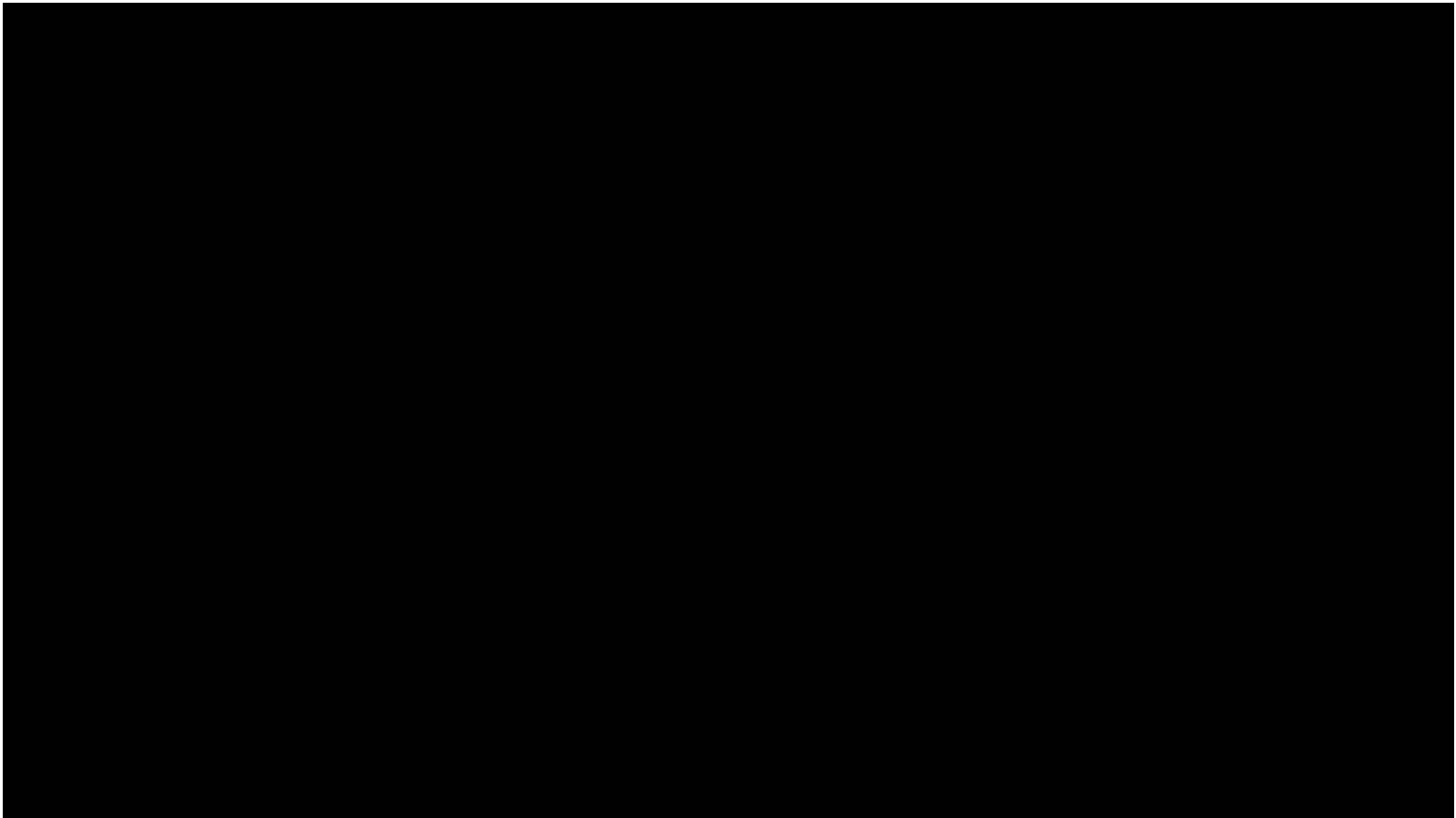


From: 遠増拓也 TASSO 本格復興邁進年 (via Twitter) <notify@twitter.com>  
 Subject: 遠増拓也 TASSO 本格復興邁進年 (@tassotakuya) retweeted one of your Tweets!  
 Date: 22 April 2015 10:44:32 AM GMT+02:00  
 To: "Int. Linear Collider" <communicators@linearcollider.org>





# #mylinearcollider





#mylinearcollider

573 videos

13,145 views

4 Nobel laureates

Many DESYaners





## What we can do for you

- Check [www.linearcollider.org](http://www.linearcollider.org) for
  - Images
  - Animations
  - News, lists, general info
- Media training, advice for interviews
- Key ILC messages
- Brochures
- AAAS and other events
- Contact to communication offices at other labs  
→ [communicators@linearcollider.org](mailto:communicators@linearcollider.org)

# Thanks!





## FCC – fun stuff



23 – 29 March 2015: first Annual Meeting of the Future Circular Collider study in Washington DC

336 participants

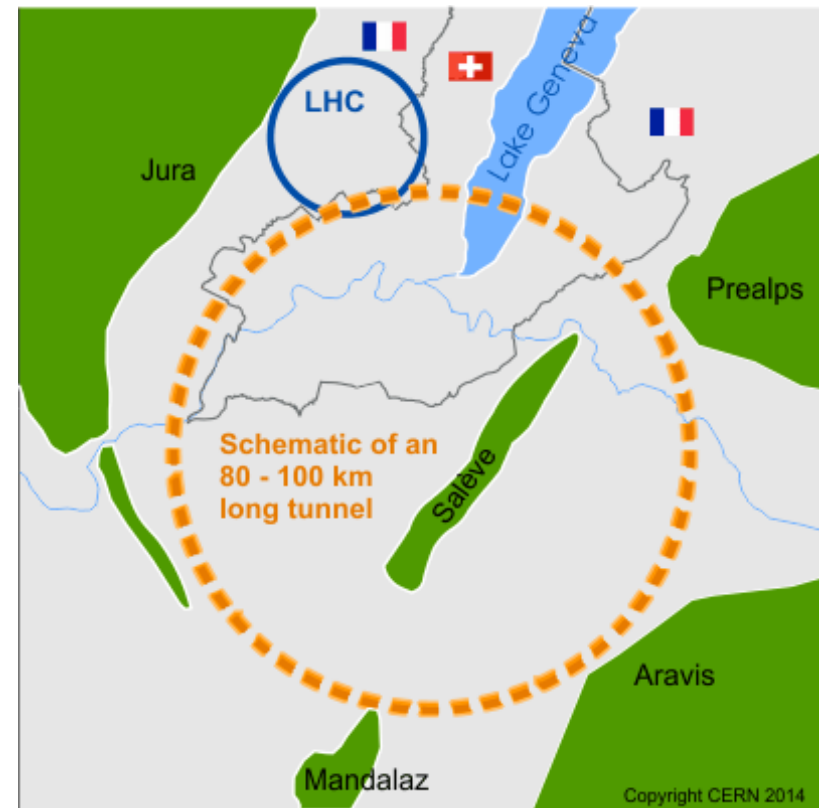
“end of exploratory phase towards a baseline design” of FCC-ee, FCC-hh and FCC-he by 2018 for Strategy Update

This is after the LHC programme – 2035 and later.



## From a comms perspective

- It's global, with over 50 institutes now.
- Diversity and communications are integrated from the start





# CEPC, the Chinese Higgs factory





## CEPC



- Electron-positron circular collider
- CDR around now
- TDR by 2020
- Construction complete in 2027 (start in 2021)
- Data taking until 2035
  
- <http://cepc.ihep.ac.cn/>



# ILC

Recent developments: PAC

Recent moves:

Tokyo Symposium,  
Tokyo Statement

Small developments: DH hall  
design, shaft configuration,  
new sensors, formal detector  
collaboration...





# Last time we were here ...

