

# LC NEWSLINE

THE NEWSLETTER OF THE LINEAR COLLIDER COMMUNITY

LC NEWSLINE SPECIAL ISSUE

## FEATURE

### ILC candidate site in Japan announced

by Rika Takahashi



The ILC site evaluation committee of Japan announced the result of the assessment on the two candidate sites in Japan on 23 August 2013. As a location, they recommended the Kitakami mountains in the Iwate and Miyagi prefectures.

## IN THE NEWS

from *Iwate nippo*

27 August 2013

[ILC、初の調査費計上へ 文科相、5000万円で調整](#)

文部科学省は来年度予算の概算要求に超大型加速器・国際リニアコライダー（ILC）の調査費として約5千万円を計上する方向で調整している。ILCとして調査費が盛り込まれるのは初めて。(Ministry of Education, Culture, Sports, Science and Technology will create a 50 million-yen budget for ILC reserach effort. It is a first time to create a dedicated budget for the ILC.)

from *NyTeknik*

26 August 2013

[Partikelaccelerator till tsunamiområde](#)

Japanska forskare har föreslagit att den nya partikelacceleratoren International Linear Collider byggs i Tohokuprovinsen, som drabbades hårt av tsunamin för två år sedan. (Japanese researchers have suggested that the International Linear Collider should be built in Tohoku region, which was hit hard by tsunami two years ago).

from *Negocios.com*

26 August 2013

**Japón, a por el Colisionador Lineal Internacional**

Se espera que el Colisionador Lineal Internacional (ILC por sus siglas en inglés) permita continuar estudiando el Bosón de Higgs y otras partículas todavía desconocidas más allá de los datos obtenidos gracias al Gran Colisionador de Hadrones europeo. (It is expected that the International Linear Collider allows further study the Higgs boson and other particles still unknown beyond the data obtained through the European Large Hadron Collider.)

from *The nikkon kogyo shimbun*

26 August 2013

**深層断面／次世代巨大加速器、成るか日本誘致一秋以降の政治判断に焦点**

「国際リニアコライダー（ILC）」の日本誘致を目指す研究グループが東北の北上山地（岩手・宮城県）に候補地を決めたことで、今後の焦点は日本として誘致表明するか政治判断に移る。(Following the announcement of the Kitakami as an ILC construction candidate site, the project entered a phase of political decision.)

from *People.com*

26 August 2013

**日拟选择东北地区建国际直线对撞机**

一个日本委员会8月23日宣布，建议在该国东北地区的一个地点建设国际直线对撞机（ILC）。对此，日本文部科学省表示，科学家选定的结果仅为“参考”，是否申请建设ILC将另行决定。(A Japanese committee announced a proposal of construction site for the ILC in the northeast of the country on August 23. The Japanese Ministry of Education said that the result presented by the scientists is only a “reference”, for the decision to whether to construct the ILC.)

from *Austrin tribune*

24 August 2013

**Japan Decides Kitakami Mountains for Particle Collider**

The recommendation said that the 19-mile-long particle collider of the next generation, if developed, should be in the Iwate and Miyagi prefectures' Kitakami Mountains. The choice has been made by the committee in a 63-to-37 vote. It was after a wary analysis of two candidate sites that were finalized. The sites included the Saga and Fukuoka prefectures' Sefuri Mountains and the Kitakami Mountains.

from *Voice of Russia*

24 August 2013

**Власти Японии изучают проект строительства крупнейшего в мире коллайдера**

В Японии началось изучение проекта строительства в стране крупнейшего в мире ускорителя элементарных частиц – Международного линейного коллайдера /ILC/ (The study of the study of the construction of the ILC, the world's largest particle accelerator, has started in Japan)

from *Nikkei*

24 August 2013

**次世代加速器の候補地決定、日本企業に商機 建設や装置製造で**

「国際リニアコライダー（ILC）」計画を推進する科学者組織は23日、国内建設候補地を北上山地（岩手・宮城両県）に決めたと発表した。建設が実現すれば日本企業に大きなビジネスチャンスとなる。(A group of researchers promoting the ILC project in Japan announced on 23 August that they assessed Kitakami mountains as a site to construct the accelerator. If the project to be realized, it will be a big business chance for Japanese companies)

from *Symmetry*

23 August 2013

**Japan selects candidate site for linear collider**

In a press conference this morning, the Japanese high-energy physics community's site evaluation committee for the proposed International Linear Collider announced its recommendation: If the 19-mile-long, next-generation particle collider is built in Japan, it should be located in the Kitakami mountains of the Iwate and Miyagi prefectures.

from *JCCI News*

23 August 2013

**国際リニアコライダー（ILC）日本誘致に向けた岡村会頭コメント**

リニアコライダーの誘致は、わが国にとって極めて重要であり、オールジャパンで実現することが必要である。今後、日本政府には、国内誘致を正式表明し、国際交渉を呼びかけるとともに、各省庁横断的な体制づくりを進め、国際リニアコライダー設置の実

現を図られたい。(The Chairman of the Japan Chamber of Commerce and Industry (JCCI) issued a statement on the ILC site evaluation announcement: The invitation of the ILC is very important issue for Japan, and we should realize the project by pan-Japanese effort. We strongly wish that the Japanese government to officially express nation's interest, and call for the international negotiations. We also wish the government to establish the inter-ministries system to building the ILC)

**from Mainichi shimbun**

23 August 2013

**リニアコライダー候補地:北上山地、大差で選出**

「国際リニアコライダー」(ILC)を推進する国内の研究者組織「ILC戦略会議」は23日、東京都文京区の同大で記者会見し、岩手・宮城両県の北上山地を建設候補地として選んだと発表した。現在、海外で具体的検討はなく、ILC実現が決まれば北上山地が有力な候補地となる。(ILC strategy council announced on 23 August that the council has chosen Kitakami mountains for the candidate construction site for the ILC. There is no serious discussion on the ILC construction in any country other than Japan, and Kitakami will be a promising candidate if the ILC to be realised)

**from Mainichi shimbun**

23 August 2013

**国際リニアコライダー:候補地、北上山地に決定 自治体や経済団体、祝福 実現へなお課題山積 /岩手**

ILCの国内建設候補地として北上山地が決まったことを受け、誘致に取り組んできた自治体や団体は喜びを表し、奥州市などでは祝福の横断幕を掲げた。ただ、巨額な建設費への懸念から政府は誘致を決めておらず、建設実現はまだ遠い。(Following the announcement of the ILC candidate site, officials of the local governments or related bodies in Kitakami savored the joy. However, Japanese government has not decided whether Japan will call for a bid. The realisation of the ILC is still far away)

**from Science**

23 August 2013

**Japan Picks Tohoku Site for International Linear Collider**

But the decision on how to spend reconstruction money will be up to the politicians, warns Satoru Yamashita, a University of Tokyo physicist who chairs Japan's ILC Strategy Council. And despite Japanese enthusiasm for the project, Yamashita told ScienceInsider that Japan is not going ahead on its own. "It is the 'international' linear collider," he says. Only after establishing international partnerships will Japan's government "officially decide to 'go,'" he says.

**from NHK**

23 August 2013

**ILC候補地は岩手北上山地**

ILCを日本に誘致する場合の建設地に、岩手県の北上山地が決まりました。ILCについては、国際的な費用の分担方法などがこれから明らかになるため、日本が実際に誘致するかどうか決まるのは、数年先の見通しです。(Kitakami mountains was announced to be a candidate site in Japan, if the ILC to be realized. Issues such as cost distribution between countries were not decided yet, so it will take few more years for the government to decide on the invitation)

**from huanqiu.com**

23 August 2013

**日本科学家确定国际直线对撞机建设候选地**

推进新一代加速器“国际直线对撞机(ILC)”计划的日本科学家23日在东京召开记者会，宣布确定岩手、宫城两县的北上山地作为国内建设候选地。对此，日本文部科学省表示，科学家们选定的结果仅为“参考”，是否申请建设ILC将另行决定。(Japanese scientists held a press conference to announce that they selected Kitakami mountains in Iwate and Miyagi prefectures as a domestic construction candidate sites on 23 August. In this regard, the Japanese Ministry of Education, said the scientists selected results only “reference”, whether to apply for construction ILC will be decided).

**from UDN**

23 August 2013

**建国際直線対撞機 日専門家積極**

有關國際合作研究想建設解開宇宙誕生之謎的大型實驗設施「國際直線對撞機」(ILC)，日本科學家組成的選址評估小組今天宣布，日本東北的北上山地適合建設。(Japanese scientists held a press conference to announce that they selected Kitakami mountains in Iwate and Miyagi prefectures as a domestic construction candidate sites on 23 August.)

**from RIA**

23 August 2013

**Японские власти выбрали место для линейного коллайдера ILC**

Отборочная комиссия Стратегического совета по Международному линейному коллайдеру (ILC) Японии объявила, что

если коллайдер будет строиться в Японии, местом его расположения выбраны горы Китагами в префектуре Иватэ на северо-востоке страны. (The Selection Committee of the Strategic Council for the International Linear Collider (ILC) of Japan announced that if the collider will be built in Japan, its location chosen mountain Kumar in Iwate Prefecture in the north-east of the country.)

**from *The Epoch***

23 August 2013

**建国际直线对撞机 日专家积极**

日本媒体报导, 有关国际合作研究想建设解开宇宙诞生之谜的大型实验设施“国际直线对撞机”(ILC), 日本科学家组成的选址评估小组今天宣布, 日本东北的北上山地适合建设。Japanese scientists announced today that the Kitakami in northeastern Japan, is suitable for the construction of the ILC, a large-scale experimental facility to unlock the mystery of the birth of the universe)

**from *TV Asahi***

23 August 2013

**「次世代加速器」北上山地を候補地に 研究者ら発表**

「国際リニアコライダー」について、日本の研究者グループが「東北に誘致すべきだ」とする報告書をまとめました。(A group of Japanese researchers compiled a report on the ILC construction candidate site in Japan. It states that the machine should be build in Kitakami.)

**from *The Japan Times***

23 August 2013

**Tohoku pitched for ¥1 trillion collider**

The group of researchers told reporters that they prefer the Kitakami area, which straddles Iwate and Miyagi prefectures, over the other candidate, the Sefuri mountain area in Kyushu.

**from *Sankei shimbun***

23 August 2013

**候補地一本化で「ノーベル賞級の成果」期待**

ILCは宇宙誕生直後の様子を再現することで、宇宙の成り立ちに関わる未知の物理現象を解明できる可能性があり、ノーベル賞級の成果が期待されている。(ILC has a possibility to elucidate a unknown physical phenomena, and expect to lead to discoveries deserving Nobel Prizes)

**from *Yomiuri shimbun***

23 August 2013

**宇宙の謎に迫る実験施設、国内候補地は北上山地**

「ILC立地評価会議」は23日、北上山地(岩手県、宮城県)が建設候補地として最適とする評価結果を正式に発表した。地盤に問題がないうえ、多くの科学者が集まる研究環境を整えやすいなど、巨大実験施設を作るのに有利な条件がそろっていると判断した。(ILC strategy council announced the result of the evaluation on the ILC construction site in Japan on 23 August. They evaluated that Kitakami site favor a positive outcome such as no major geological issue and reserving a condition of easy urban plannings.)

## CALENDAR

### Upcoming events

**POSIPOL 2013**

Argonne National Lab

04- 06 September 2013

**LC13 Workshop**

Villazzano (Trento), Italy

16- 20 September 2013

**16th International Conference on RF Superconductivity (SRF 2013)**

Paris, France

22- 27 September 2013

**ILD meeting**

Cracow, Poland  
24- 26 September 2013

[FCAL workshop](#)  
DESY, Zeuthen  
07- 08 October 2013

[Linear Collider Forum 2013](#)  
DESY, Hamburg, Germany  
09- 11 October 2013

[SiD Workshop](#)  
SLAC, USA  
14- 16 October 2013

#### **Upcoming schools**

[Linear Collider Physics School 2013](#)  
DESY, Hamburg  
07- 09 October 2013

[View complete calendar](#)

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## FEATURE

# ILC candidate site in Japan announced

Rika Takahashi | [29 August 2013](#)

The ILC site evaluation committee of Japan announced the result of the assessment on the two candidate sites in Japan in a press conference held at the University of Tokyo on 23 August 2013. As a location, they recommended the Kitakami mountains in the Iwate and Miyagi prefectures.

The search for an appropriate candidate site for the construction of International Linear Collider in Japan has been ongoing since 1999. More than ten candidate sites were announced in 2003. In 2010, the list was further reduced to two with Kitakami in north-east of main-island of Japan, and Sefuri in Kyushu, the south-west island. A process to make the assessment on these two remaining candidates was started in January this year in order to narrow them down, from scientific point of views.

Within Japan, a site evaluation committee of eight members was formed and additional two sub-committees of sixteen technical experts and twelve socio-environmental experts were separately created to provide expertise on issues such as the geological conditions, the environmental impact, the possible problems during construction and the social infrastructure of each candidate site.

After more than 300 hours of meetings, the site evaluation committee made a tentative choice in early July. This choice was then submitted and reviewed by an international review committee. The international review committee recognised that the process to choose the site which to be reviewed had been conducted with great care, and the presented site has excellent geological conditions for tunnelling and stability.

Brian Foster, Linear Collider Collaboration (LCC)'s regional director for Europe read out the message from Lyn Evans, director of LCC saying, "Linear Collider Collaboration will now start the site-specific design based on the Kitakami site".

The scientific case for building the ILC is very strong and has the support of the world high-energy physics community. "It, together with the LHC at CERN in Geneva, will allow us to take the next steps in understanding our universe," said Evans.

[Read press release](#) from ILC Strategy Council

[ILC](#) | [ILC SITE](#) | [IWATE PREFECTURE](#) | [JAPAN](#) | [MIYAGI PREFECTURE](#) | [MOUNTAIN-REGION ILC SITES](#) | [SITE SELECTION](#)

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*Press conference held at the University of Tokyo. From left: Sachio Komamiya (Chair, Japan association of high energy physics), Satoru Yamashita (Chair, ILC strategy council), Kiyotomo Kawagoe (Co-chair, ILC site evaluation committee of Japan), Hotishi Yamamoto (Co-chair, ILC site evaluation committee of Japan), Mike Harrison (LCC, Associate director for ILC), Brian Foster (LCC, Regional director for Europe)*