

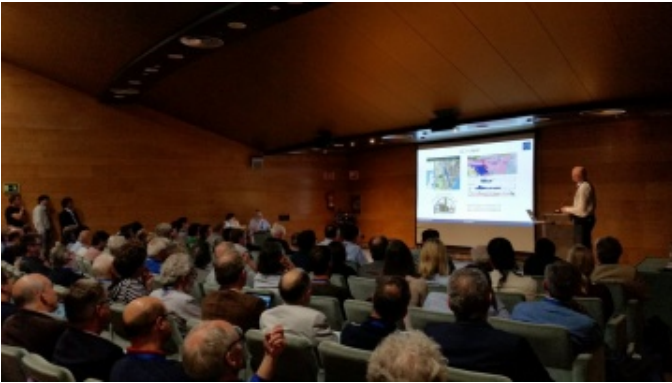
LC NEWSLINE

THE NEWSLETTER OF THE LINEAR COLLIDER COMMUNITY

DIRECTOR'S CORNER

CERN Council Open Symposium on the Update of European Strategy for Particle Physics

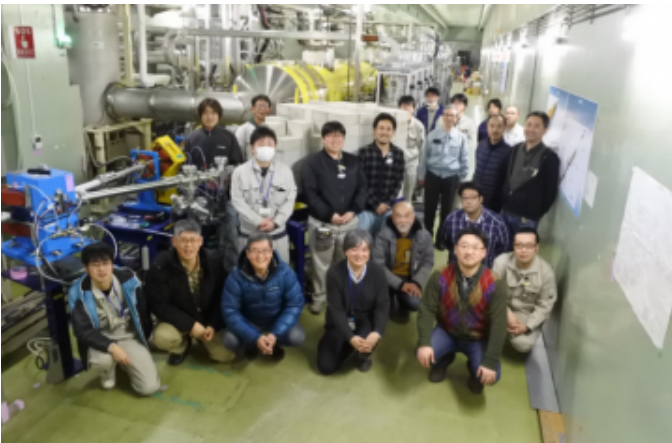
by Jim Brau and Hitoshi Murayama



Six hundred (600) particle physicists gathered for discussions of the physics case for various options on the future of particle physics. This process to update the European Strategy for Particle Physics is mandated by the CERN Council every 6 or 7 years and this is the third time. In addition to people in Europe, there was a substantial participation from other regions, including the Americas, Asia, and Oceania.

AROUND THE WORLD

STF-2 Beam Operation Demonstrates ILC Specifications



KEK's Superconducting RF Test Facility (STF) operated the first beams during February and March 2019 and demonstrated

ANNOUNCEMENTS

Linear Collider Workshop to be held in Sendai

by Rika Takahashi

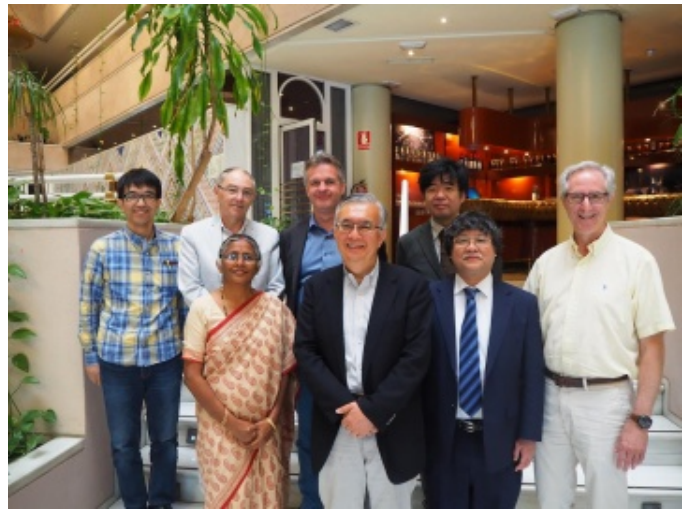


The next annual meeting of world scientists working on the linear collider development will be held in Sendai, Japan. On 21 May, Lyn Evans, Director of Linear Collider Collaboration announced at the press conference held in Sendai City, Miyagi Prefecture, Japan.

AROUND THE WORLD

ILC International Working Group Established – First Meeting Held in Granada

results that satisfy the specifications for the International Linear Collider (ILC).



At the Linear Collider Board meeting held on 7 March at The University of Tokyo, the Ministry of Education, Sports, Culture, Science and Technology (MEXT) of Japan presented its views concerning the ILC project. During the presentation, MEXT expressed anticipation for establishing an International Working Group, to be led by KEK, in order to advance the discussions by domestic and international communities of researchers on issues such as international cost sharing

VIDEO OF THE WEEK



Fermilab Colloquium on the status of the ILC

KEK Director General Masanori Yamauchi talks about the status of ILC in Japan at the colloquium held at Fermilab on 24 April.

IN THE NEWS

from Iwate Nippo

25 May 2019

地元熱、ILC誘致推進後押し 住民の会、一関・大東で大会

ILC本県誘致を目指す一関地方の民間団体・ILC実現を熱望する住民の会（会長・佐藤咲信（こうき）一関商工会議所会頭）は24日、一関市大東町の大原市民センターで誘致推進大会を開いた。

(Private sector organizations in the Ichinoseki region that aim to attract ILC to Iwate prefecture “Residents’ aspirations for the realization of the ILC” held its meeting at the Ohara citizen center in Daito-cho, Ichinoseki city on 24th May)

from Iwate Nippo

22 May 2019

10月、政府決断促す声明 ILC誘致でLCCが方針

国際リニアコライダー（ILC）計画を推進する国際研究者組織リニアコライダー・コラボレーション（LCC）は21日、仙台市の東北大で記者会見した。10月の国際学会仙台開催で、日本政府に誘致決断を促す声明を出す方針を示した。

(Linear Collider Collaboration (LCC), an international research organization that promotes the ILC Project, held a press conference at Tohoku University in Sendai City on 21 May. At LCWS in Sendai in October, scientists will publish a statement urging the Japanese government to make a decision to invite the ILC.)

from Nikkan Kigyo Shimbun

22 May 2019

ILC誘致、10月に仙台で会議

ILC計画を推進する国際組織であるリニアコライダー・コラボレーション（LCC）は21日、国際会議「リニアコライダーワークショップ（LCWS）2019」を10月28—11月1日に仙台市で開くと発表した。世界から200—300人の研究者が集まり、ILCの設計を完成させる。(The Linear Collider Collaboration (LCC), an international organization promoting the ILC plan, announced on the 21st that it will hold an international conference “Linear Collider Workshop (LCWS) 2019” in Sendai City on October 28-November 1st. 200-300 researchers from around the world gather to complete the design of the ILC.)

from Sankei News

22 May 2019

今秋仙台でILC国際会議 組織代表が会見「加速器設計 完成させる」

会議は日米欧で毎年開かれ、前回の日本開催は3年前、開催地は盛岡市だった。今回は国内外の研究者約300人が参加し、加速器関連の企業展示も予定されている。(The conference was held annually in Japan, the United States, and Europe, and the last time in Japan was held three years ago, and the venue was Morioka City. This time, approximately 300 researchers from Japan and abroad are expected to participate, and accelerator-related companies will be on display.)

from Kahoku Shinpo

22 May 2019

ILC仙台で10月国際会議 政府に誘致実現アピール

東北ILC準備室長の鈴木厚人岩手県立大学長は誘致の推進に向けて、今後は高エネルギー加速器研究機構（茨城県つくば市）、先端加速器科学技術推進協議会（東京）との連携を強化し、設計や技術の共有を進める考えを示した。(Atsushi Suzuki, Director of the Tohoku ILC Preparation Office and Director of Iwate Prefectural University is strengthening collaboration with KEK (Tsukuba City, Ibaraki Prefecture) and AAA(Tokyo) to share the information regarding accelerator design and technology)

from Jiji.com

22 May 2019

加速器の国際会議、仙台で開催＝「前向きな政府意思必要」- 推進組織

エバンス氏は「ILCの最終的な設計を完成させ、コストパフォーマンスを改善していくことが目的」と話した。(“The goal is to complete the ILC’s final design and improve its cost performance,” said Evans.)

from Nikkei Shimbun

22 May 2019

ILC国際組織代表「建設は北上山地が最適」

ILCの研究活動をまとめる国際組織「リニアコライダー・コラボレーション（LCC）」のリン・エバンス代表は21日、仙台市内で記者会見を開き「ILCの建設には地質的にも北上山地が最も適している」と強調した。ILCの国際会議（LCWS）を10月に仙台市で開催することも発表した。(Lyn Evans, representative of the international organization “Linear Collider Collaboration (LCC)”, who organizes ILC research activities, held a press conference on 21May in Sendai City. “The Kitakami Mountains are the most suitable geologically for construction of the ILC,” he stressed. He also announced that the ILC International Conference (LCWS) will be held in October in Sendai City.)

from physicsworld

16 May 2019

European physicists look to the future of particle colliders

Hundreds of physicists from Europe and beyond have met in Granada, Spain to develop a plan for a next-generation collider that will eventually supersede the Large Hadron Collider (LHC) at CERN.

from Iwate Nippo

15 May 2019

気仙の民間推進会設立 3市町の商工業者ら機運醸成

大船渡、陸前高田、住田の3市町の商工業者ら有志は14日、ILCの北上山地（北上高地）誘致を目指す気仙広域ILC推進会を設立した。勉強会を重ね、地域の機運醸成を進める。(Commercial enterprises in three cities, Ofunato, Rikuzentakata, and Sumita, established

the Kesen Wide Area ILC Promotion Association, which aims to attract the ILC to Kitakami site. They will hold study sessions in regular basis and promote regional momentum development)

PREPRINTS

ARXIV PREPRINTS

[arXiv:1905.10283](#)

Enhanced Z boson decays as a new probe of first-order electroweak phase transition at future lepton colliders

[arXiv:1905.10007](#)

Forward-backward asymmetry in the gauge-Higgs unification at the International Linear Collider

[arXiv:1905.02520](#)

Detector Technologies for CLIC

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