

LC NEWSLINE

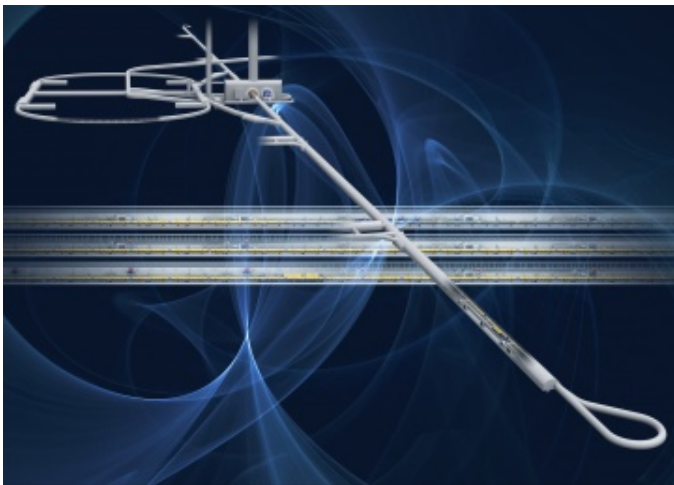
THE NEWSLETTER OF THE LINEAR COLLIDER COMMUNITY

SPECIAL ISSUE: SCIENCE COUNCIL OF JAPAN PUBLISHES REPORT ON ILC

On 19 December 2018, the Science Council of Japan (SCJ) published its report on the ILC. What does this report mean to the ILC project? What will happen next? LC NewsLine features the response to the report by the KEK lab in Japan, the executive summary of the SCJ's recommendations, as well as political messages.

DIRECTOR'S UPDATE

Clarifications on the report from the Science Council of Japan regarding the ILC



The report released by the Science Council of Japan on 19 December on the realisation of the ILC raised many questions within the linear collider community. The ILC Planning Office at KEK asks for continuing support.

FEATURE

From KEK: Regarding the “Assessment of the revised International Linear Collider Project”

FEATURE

Executive Summary of the Science Council of Japan's Report



This is a translation of the executive summary of the Science Council of Japan's report, released on 19 December 2018. The translation was not issued by SCJ but was done by researchers in Japan.

FEATURE

Message from politicians in response to Science Council of Japan's final report



In this Statement issued by KEK in response to the SCJ report, the Japanese research organization asks the Japanese government to act on the ILC and start an international dialogue.



Two political groups, the Federation of Diet Members for the ILC and the Liaison Committee for Realizing the ILC, released a joint message in response to the SCJ's final report, reaffirming their commitment to push forward the ILC in Japan and to persuade the Japanese government to make a positive decision by March next year.

IN THE NEWS

from Nature

19 December 2018

Plans for world's next major particle collider dealt big blow

Japanese science committee questions the project's multi-billion-dollar price tag — but decision rests with the government.(...) A decision is expected by 7 March, when the international group overseeing the ILC's development, the Linear Collider Board, meets in Tokyo.

from NHK

19 December 2018

Japan science council opposes hosting ILC project (3'26" video)

The science ministry had asked the council for an opinion, as the eventual host nation of the project is expected to bear a large proportion of the cost.

from KEK

19 December 2018

「国際リニアコライダー計画の見直し案に関する所見」について

これらの課題を解決するためにも、日本政府におかれましては、ILCの実現に向けた国際協議の実施について前向きな立場を早期に示していただけるようお願いいたします。

from Sankei News

19 December 2018

次世代加速器 ILC 誘致見送りなら国際的信用失墜も

世界的な科学者組織の合意によって進んできた構想を実現できなければ国際的信用を失い、今後は日本での大型国際研究プロジェクトが困難になる可能性もある。(If the ILC project, which was promoted by the agreement of the global scientific organization, Japan would lose international credibility and there is a possibility that any of large international research project in Japan will become difficult in the future.)

from yahoo! news

18 December 2018

「耕作」から「光速」の世界へ 弘兼憲史氏の新作テーマ「国際リニアコライダー」

「島耕作」シリーズで知られる漫画家の弘兼憲史氏が意外な新作の構想を明かした。テーマは「国際リニアコライダー」だという。いったい、どういうものなのか、詳しく聞いた。(Kenshi Hirokane, a famous manga artist revealed the idea of an unexpected new work. The theme was "International Linear Collider")

from Iwate Nippo

8 December 2018

The final deadline for a decision is March 7th – Scientists urge the national government to voice their intent at an FDMILC assembly

Europe will begin deliberations on its next particle physics plan in 2019, so Murayama said, "This is the absolute latest we can go. If the European scientists don't see that the ILC is moving forward, they may move on to another project." Hon. Kawamura said, "We will call upon the national government strongly until March 7th, and fight for this until the bitter end."

(Translation provided by *Iwate & the ILC* website. [Read Japanese original here](#))

from Iwate Nippo

7 December 2018

Prof. Saito teaches Iwate students about science from an international perspective

Following the seminar, students gathered around the professor to ask him questions. Kotaro Yokkaichi, a second year students, said, "The ILC will need a home base where scientists will be able to do their research to the fullest, and the ILC will be a huge stimulus to Japan."

(Translation provided by *Iwate & the ILC* website. [Read Japanese original here](#))

from Iwate Nippo

3 December 2018

The Oshu City ILC Promotion and Liaison Council reach their goal of 60,000 ILC Supporters

Mayor Ozawa commented, "I will send our citizens' strong hopes for the ILC to the national government, which I hope will be reflected in a quick decision on the ILC." The ILC Supporters campaign was started in April by famous figures in the movie business. They are trying to sign-up 300,000 ILC Supporters nationally.

(Translation provided by *Iwate & the ILC* website. [Read Japanese original here](#))

from Asahi Shimbun

27 November 2018

国際リニアコライダー (ILC) の学術的意義とは

学術会議のような組織による提言は社会にとって大いに意義がある。ただし、学術的意義を正しく判断したうえでの提言でなければ説得力は持ちえないと思う。(Recommendations by organizations like SCJ are of great significance to society. However, I think that it can not have persuasive power unless it is a recommendation after correctly judging academic significance.)

PREPRINTS

ARXIV PREPRINTS

[1812.08010](#)

Correlation between the decays $h_0 \rightarrow \gamma\gamma/gg$ in the MSSM with quark flavor violation

[1812.07987](#)

The Compact Linear $e+e-$ Collider (CLIC): Accelerator and Detector

[1812.07986](#)

The Compact Linear $e+e-$ Collider (CLIC): Physics Potential

[1812.06018](#)

The Compact Linear $e+e-$ Collider (CLIC) – 2018 Summary Report

[1812.05864](#)

A Higgs Boson at 96 GeV?!

[1812.02625](#)

Technologies for Future Vertex and Tracking Detectors at CLIC

[1812.02093](#)

The CLIC Potential for New Physics

[1812.01644](#)

Updated CLIC luminosity staging baseline and Higgs coupling prospects

[1812.01154](#)

Final taus and initial state polarization signatures from effective interactions of Majorana neutrinos at future $e+e-$ colliders

[1811.12818](#)

Search for neutral Higgs bosons decaying to bb^- in the flipped 2HDM at future $e-e+$ linear colliders

[1811.11782](#)

Ultra-Short-Z Linear Collider Parameters

[1811.11432](#)

Molière radius measurement using a compact prototype of LumiCal in a test set-up

[1811.10545](#)

CEPC Conceptual Design Report: Volume 2 – Physics & Detector

[1811.05263](#)

The Role of Positron Polarization for the initial 250 GeV stage of the ILC

[1810.11263](#)

The Future of High-Energy Collider Physics

[1810.07210](#)

Majorana vs Pseudo-Dirac Neutrinos at the ILC

[1810.05487](#)

Top-quark physics at the first CLIC stage

[1810.05133](#)

Commissioning of the highly granular SiW-ECAL technological prototype