
Brief update on the ILC status and transition

Jim Brau / Keisuke Fujii

- ❖ October / November, 2019 — LCWS in Sendai
 - ❖ Strong statements supporting ILC (Diet, ICFA, etc.)
 - ❖ including expression of interest by Melinda Pavek representing US State Department
- ❖ Science Council of Japan (SCJ) Master Plan concluded in January.
 - ❖ ILC selected as project for hearing, **recognizing scientific merit**, although not on list limited to smaller projects.
 - ❖ This **recognition** moves project to next level of consideration.
- ❖ ICFA meeting in February.
 - ❖ **H. Masuko**, Deputy-Director General, MEXT.
 - ❖ **T. Kawamura**, Chairperson of the Federation of Diet Members for the ILC.
 - ❖ **Chris Fall**, Director of US DOE Office of Science
- ❖ Transition from LCC to Pre-laboratory soon. Being planned.

LCWS 2019 – Oct/Nov



Hon . Ryu
SHIONOYA,
Secretary-General
of the Federation
of Diet Members
for the ILC



Melinda Pavek,
Director of
Science,
Innovation and
Development,
US Embassy,
Tokyo

Reaffirmed Japanese government's interest in hosting the ILC.

"US-Japan relation is stronger than ever, and the political and administrative aspects are both working towards the **realization of the ILC.**"

*"the U.S. Department of State is ready to assist our partner agencies in developing the next major particle physics facility in Japan—the **International Linear Collider.**"*

February ICFA Meeting

- ❖ Two leading Japanese figures in the decision process came to SLAC to address ICFA.
- ❖ **H. Masuko**, Deputy-Director General, MEXT.
- ❖ **T. Kawamura**, Chairperson of the Federation of Diet Members for the ILC.
- ❖ Both gave encouraging statements.
- ❖ **Chris Fall**, Director of US DOE Office of Science, also appeared in person and gave positive ILC statement.
- ❖ In response, ICFA released a statement (next slide).
- ❖ https://icfa.fnal.gov/wp-content/uploads/ICFA_Statement_22Feb2020.pdf



ICFA Statement on the ILC Project

February 22, 2020

ICFA was encouraged by the reports from Mr. H. Masuko, Deputy-Director General, MEXT Research Promotion Bureau and Hon. T. Kawamura, Chairperson of the Federation of Diet Members for the ILC, at the ICFA meeting held at the SLAC National Accelerator Laboratory, Stanford, USA, on the 20th February 2020.

In view of progress towards realisation of the ILC in Japan, ICFA encourages the interested members of the high energy physics community, laboratories, and nations, to support and participate in these preparations aimed at the successful establishment of the ILC.

https://icfa.fnal.gov/wp-content/uploads/ICFA_Statement_22Feb2020.pdf

- ICFA anticipates that these development activities could be completed in approximately one year, at which point it would be possible to launch the preparatory phase for the ILC, provided Japan expresses intent to do so together with international partners.
- In view of progress towards realisation of the ILC in Japan, ICFA encourages the interested members of the high energy physics community, laboratories, and nations, to support and participate in these preparations aimed at the successful establishment of the ILC.

Menlo Park, CA, USA



LCC/LCB
(today)

Transition
(Development Team)

~1 year

Preparatory
Phase (Pre-Lab)

~4 year

ILC Lab

Development Team

- ❖ Linear Collider Collaboration, led by Lyn Evans, mandate ends June, 2020.
- ❖ ICFA, assisted by LCB, led by Tatsuya Nakada, planning a **transition phase**, led by an **international development team**, hosted by KEK. (Transition will last approx. 1-1.5 years.)
- ❖ **International development team** plans **pre-Lab preparatory phase** including technical, organizational and governance issues and the activities and resources required in the **pre-Lab preparatory phase**.
- ❖ Following about one year planning, if Japan has expressed intent with international partners, **pre-Lab preparatory phase** will be launched.

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Transition
(Development Team)

~1 year

Preparatory
Phase (Pre-Lab)

~4 year

ILC Lab

Development Team

- ❖ "The team would develop a plan for the preparatory phase for the construction of the ILC, including technical, organizational and governance issues. It also would be tasked with understanding the activities and resources required in the preparatory phase. The process of developing the plan should involve the interested laboratories and community."
- ❖ **Six or seven member Executive hosted by KEK:**
 - ❖ Three regional representatives
 - ❖ WG1 chair - Core activities
 - ❖ WG2 chair - Accelerator
 - ❖ WG3 chair - Physics & Detectors
- ❖ Following about one year planning, if Japan has expressed intent with international partners, **pre-Lab preparatory phase** will be launched.

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讀賣新聞

Yomiuri newspaper
May 13, 2020

Yomiuri Shimbun (the Japan Times) is Japan's largest newspaper, with the largest circulation in the world:

Reported May 13 that **a letter was sent from the U.S. Deputy Secretary of State to Japan's Foreign Minister** in February.

The letter reportedly conveyed **strong support for advancing the ILC project**, confirming, at a much higher level, the view expressed by the U.S. government in the **speech given at the Sendai LCWS by Melinda Pavek**, US Embassy in Tokyo.

Current status

- ❖ COVID19 suppresses discussion on a big project like ILC.
- ❖ However, the ILC political environment in Japan is now very good, thanks, in particular, to **strong US support** (last slide).
- ❖ A climate change: The first stage of the ILC is 250 GeV but, now **studies on energy upgrade even above 1 TeV is encouraged.**
- ❖ Emergency state recently lifted all over Japan.
 - ❖ KEK is restarting normal activities. (SuperKEKB & JPARC)
 - ❖ Some **ILC promotion activities resuming** in Tokyo.
- ❖ Strategy discussions at KEK (KEK Roadmap, IPNS Research Planning Committee) and JAHEP (Future HEP Project Committee).
- ❖ The International Development Team to follow the LCC/LCB being discussed and planned for installation in a timely fashion.