

# ILC status in Japan

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# The ILC project in Japan

- The Japanese HEP community (JAHEP) proposed to host the ILC in Japan in Oct. 2012.
- In May 2013, MEXT asked the Science Council of Japan (SCJ) for advice on the ILC project.
- In September 2013, the SCJ sent a report on the ILC project to MEXT.
- MEXT set up the ILC Advisory Panel in May 2014.
- The JAHEP proposed 250 GeV ILC as a Higgs factory in July 2017.
- LCB/ICFA released a report/statement and endorsed the plan of 250 GeV ILC in November 2017.
- The ILC250 plan was introduced to the ILC Advisory Panel of MEXT.

# Developments in 2018

- The Fukuoka Statement was released at ALCW2018 in May 2018. Japanese media noted the timeline of the update of the European Strategy for Particle Physics.
- The ILC Advisory Panel released a report on the revised plan of the ILC in July 2018. MEXT asked the SCJ for advice on the revised plan.
- Intensive discussions started in the Committee formed in the SCJ in August 2018. 12 meetings were held in August-November. There have been many presentations, many submissions of documents from researchers, organizations from the Tohoku area, and even from Diet members . More than 30 letters from abroad were sent to the Committee, and shown in the Committee's HP, including letters from Nigel, Joachim, Yifang and Lyn with the Texas Statement adopted at LCWS2018 .
- A LCB phone meeting was held on December 5/6, 2018 to discuss the Japanese situation. It was agreed that LCB would like to have a statement from the Japanese government in time for the LCB/ICFA meeting on March, 2019, in Tokyo.
- A message from KEK was sent to explain the delay of the decision in the government. Letters from Diet members/MEXT officials were also sent to foreign partners .

Dear colleagues,

This note is to communicate the recent status of the ILC in Japan to the high-energy physics community across the world.

The proposal of the ILC was reviewed in detail by the ILC Advisory Panel of MEXT, and subsequently MEXT consulted the Science Council of Japan (SCJ) in July 2018 to hear an opinion from the broader academic community in Japan. The MEXT Minister stated that MEXT would wait for the final report of the SCJ before taking any further action with regard to the preparation of the policy decision on ILC.

We had expected that the report from the SCJ would be released in a timely manner so that the Japanese government could express its policy regarding ILC by the end of this year as requested by the Linear Collider Board (LCB). A committee that was set up at the SCJ has been evaluating the case for the ILC Higgs factory, and has held more than 10 meetings in the last four months. The final report, however, has not been released yet, and therefore, the announcement by the Japanese government on the ILC will be delayed until next year. In a recent teleconference, the LCB decided to accept this delay, and concluded that it would be crucial to have a statement from the Japanese government in time for the LCB/ICFA meeting on March 7 and 8, 2019, in Tokyo.

The Japanese high-energy physics community will make all possible efforts to help the Japanese government so that it can give the statement in a timely manner. We would like to emphasize that this delay should never be interpreted as a negative sign from the Japanese government.

We understand that the deadline for providing inputs from the scientific community to the European Particle Physics Strategy Update is December this year, and that it is highly desirable for the Japanese government to make an official announcement on the ILC in the same timeframe. It is regrettable that it has to be postponed. We have come a long way, however, and the Japanese government is getting very close to issuing an announcement. We therefore ask you to wait just a little more.

December 14, 2018  
Planning Office for the ILC at KEK

# Report from the SCJ

- The report from the SCJ was handed to the MEXT on December 19, 2018

<http://www.scj.go.jp/ja/info/kohyo/pdf/kohyo-24-k273.pdf>

Base on current status of preparation, the SCJ is not ready to support to host the ILC in Japan at the present time. (No clear understanding on international cost sharing, etc. )

We have been asking the Japanese government to start official discussions with foreign partners to have prospects on international cost sharing.

- KEK released a message in order to clarify our standpoint.

<https://www.kek.jp/ja/newsroom/2018/12/19/1700/>

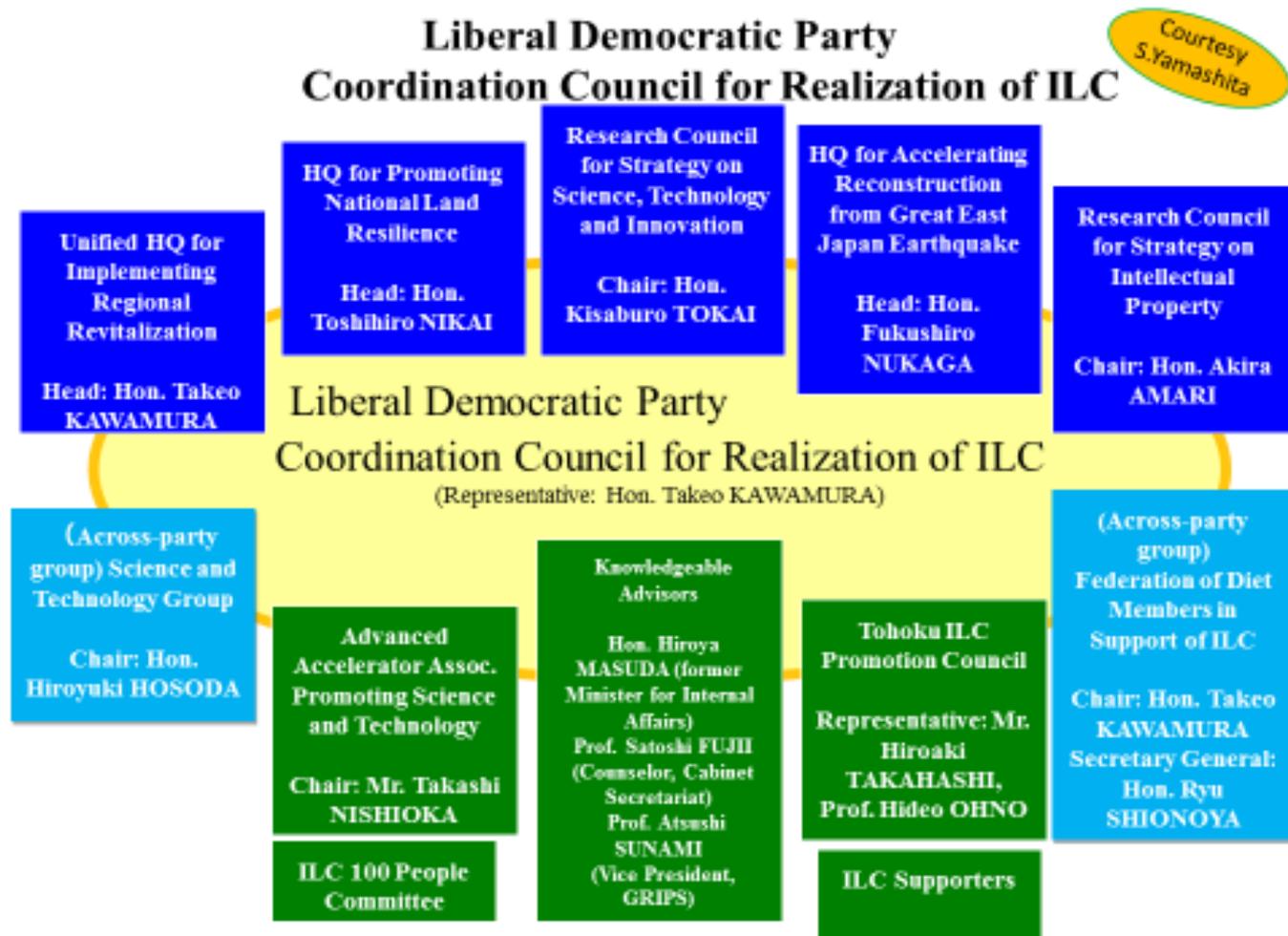
Also statements was released from the Tohoku area and Diet members.

# Political efforts

- Non-patrician Federation of Diet members for the ILC was formed in 2008. Advanced Accelerator Association Promoting Science and Technology (AAA) was also established in 2008 as an industry and academia collaboration.
- These organizations have vigorously promoted the ILC project last ten years. Many visits were made to Europe and US.
- The MEXT-DOE discussion group on the ILC was formed in 2016 and decided to start collaboration on ILC cost reduction R&D.
- Diet members together with governmental officials, industrial representatives and researchers visited Europe in January, 2018 and identified counterparts of Japanese representatives in France and Germany at each level.
- Recent visits of the DOE Undersecretary (Dr. Paul Dabber), a German parliament member (Dr. Stefan Kaufman) and French National Assembly members to Diet members produced encouraging results.

# More on political efforts

- The Liaison Committee for Realizing the ILC was formed in Liberal Democratic Party (a ruling party). This was a very important step.



## The Committee made a resolution on September 18, 2018

- ✓ To position ILC as a cross-policy “national project”, covering not only science, technology and innovation but also many challenges faced by the national government;
- ✓ To secure the financial resources for the realization of ILC (beyond the Olympic Games) outside the ordinary science and technology, academic or university budgets; and in addition,
- ✓ To make sure that, as for the international agreement of ILC, certain critical decisions, such as the share of oversea investments be roughly half, be satisfied before the international agreement necessary for the start of construction of ILC is reached.

From deliberations in the academic sector to the political decision-making process.

We will make all possible efforts to help the Japanese government so that it can give the statement in time for the LCB/ICFA meeting on March 2019, in Tokyo.