

Linear Collider Board  
Report  
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# Linear Collider Organization

ICFA

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Linear Collider Board

Linear Collider Collaboration

L. Evans

H. Murayama

CLIC

S. Stapnes

ILC

S. Michizono

Physics and Detector

J. Brau

# Since LCW2017 Strasbourg

- FALC/LCB/ICFA meeting in Ottawa,  
November 2017
  - LCB position paper
  - ICFA statement endorsing the LCB position
- Presentation of the LCB/ICFA position to the MEXT  
Expert Panel on the ILC in Tokyo,  
December 2017
- FALC/LCB/ICFA meeting in Cambridge,  
March 2018
  - Discussion on the action list toward the European  
Strategy update process in 2019

# LCB position paper in Nov. 2017

- “...the Linear Collider Board **strongly supports the JAHEP proposal to construct the ILC at 250 GeV in Japan** and encourages the Japanese government to give the proposal **serious consideration for a timely decision.**”
- “A clear expression of interest to host the machine under **these principles** would enable Japan to start negotiations with international partners.”

**The host country making the majority contribution, a natural expectation being that the cost for the civil construction and other infrastructure is the responsibility of the host country, while the accelerator construction should be shared appropriately**

# Presentation to the MEXT expert panel

- Presentation at the MEXT expert panel meeting in Tokyo in December 2017:
  - LCB/ICFA statements (LCB Chair)
  - Particle physics programme at CERN (Director of Research and Computing)
  - Some members of the panel were surprised to know that the LCB stated
    - “major contribution” from the host country and
    - “the host country to take initiative” to start discussion with interested countries,and asked why the XFEL and FAIR mentioned, rather than the  
ITER?

# Presentation to the MEXT expert panel

- Further explanation to clarify the exact meaning of the LCB position was submitted to the MEXT in May 2019
    - Two relevant points of the FAIR and XFEL for the ILC are
      - the host country is making large contribution
      - the host country declared their wish to host the projects with indicating a level of their contribution and initiated the international negotiation,
- i.e. for the realization of the ILC in the current situation, the host country has to take an initiative to call for an international negotiation and expressing their readiness for a substantial level of contribution as a host country.

# Cambridge LCB discussion

General consensus is that

- without a statement from Japanese government by the end of 2018,
  - the ILC will not likely to be in the 2019 European Strategy update discussion,
  - resources for the ILC R&D in Europe and US would likely diminish and activities could not be maintained,
- and such statement should imply
  - the interest to host the ILC in Japan
  - with an indication for a level of contribution that is substantial
  - readiness to initiate discussion with interested countries.

# Cambridge LCB discussion

- Submission of the documents in December 2018 **summarising the LC activities** for the European Strategy:
  - CLIC:
    - Project description (380 GeV)
    - physics & detector
  - ILC:
    - ILC Accelerator & physics (250 GeV)
    - European capabilities for the ILC technology
- The LCB encourages strongly the LC community **to consolidate their position and to present a single opinion** in the European Strategy Open Symposium in ~May 2019.
  - S. Stapnes and J. Fuster have been asked to organise a community meeting in early 2019



# In the mean time

- Japanese colleagues are actively working on
  - organising the visit of Japanese diet members and government officers to Europe and the US for discussion,
  - achieving the awareness at the cabinet level through the diet members.
- During the first visit to France and Germany, the diet members expressed a clear view on Japan taking initiative, while the government officers remained quiet.
- Further actions are in preparation. (Second smaller visit to Europe took place)
- The European and US community should keep interacting with their governments.

# Looking Forward

- LCB meeting in Korea in July will be
  - reviewing the
    - development in Japan
    - status of the documents for the European Strategy discussion
    - preparation for the community meeting in early 2019
  - and discussing possible actions in the future anticipating different scenarios.