

# ILD General Meeting Towards an ILD strategy

Ties Behnke, February 1, 2022



# ILD-ET stand on recent developments

Dear ILD member

All of us have followed the dramatic events in the Ukraine over the last few days. We are shocked by the events and the totally unnecessary and unprovoked war. Our thoughts are with all the people who suffer from this war.

In ILD we work together peacefully with people from many different countries. The impact these events will have on science and on our international model of doing science together can only be imagined at this moment.

The ILD ET

Ties Behnke/ Karsten Buesser/ Jean Claude Brient/ Keisuke Fujii/ Mary-Cruz Fouz/ Frank Gaede/ Daniel Jeans/ Kiyotomo Kawagoe/ Jenny List/ Wataro Ootani/ Graham Wilson/ Filip Zarnecki

# ILD: a collaboration



# Report by the MEXT ILC committee

- MEXT committee had a series of six meetings since last summer
  - Original question: progress since the last review
  - Actually focus of discussion: prelab
- Main conclusions
  - Pre-lab will not receive funding
  - There might be some (smallish) line on accelerator R&D
- KEK news on the results of the panel: <https://www.kek.jp/en/topics-en/202202251335/>

# News release from KEK on MEXT review

1. The panel recognizes the academic significance of particle physics and the importance of the research activities, including that of a Higgs factory, and understands the value of international collaborative research. However, the panel found that it is still premature to proceed into the ILC Pre-lab phase, which is coupled with an expression of interest to host the ILC by Japan as desired by the research community proposing the project.
2. Given the increasing strain in the financial situation of the related countries, the panel recommends the ILC proponents to reflect upon this fact and to reevaluate the plan. They should reexamine the approach towards a Higgs factory in a global manner taking into account the progress in the various studies such as the Future Circular Collider (FCC) and ILC.
3. The panel recommends that the development work in the key technological issues for the next-generation accelerator should be carried out by further strengthening the international collaboration among institutes and laboratories, shelving the question of hosting the ILC.
4. For realizing a very large project such as the ILC, cultivating a framework where the related countries can exchange information on their situations and discuss required steps would be important.
5. The panel recommends that the research community should continue efforts to expand the broad support from various stakeholders in Japan and abroad by building up trust and mutual understanding through bi-directional communication with the people concerned.

# Actions by KEK

In light of the panel's findings, KEK will make an effort to reexamine the path for realizing the ILC as a Higgs factory, taking into account the progress in various fronts including the FCC feasibility study. In this process, the interaction with the domestic and international research community as well as the opportunities in the exchange of information through ICFA will be crucial. Also, in collaboration with the IDT, KEK will propose a framework to ICFA to address some of the pressing accelerator R&D issues for the Pre-lab, where joint developments will be done by the participating laboratories on the selected subjects. KEK and the Japanese ILC community is committed to further advance important technological and engineering development in the accelerator area and to continue the effort for the realization of the ILC.

Furthermore, KEK, in collaboration with ILC-Japan, will establish a new organization that will centrally manage ILC communications activities. The new organization will strengthen activities to communicate the significance of the ILC to all parties involved, such as the general public, academia, or industry, focusing on communicating the importance to build an international laboratory for basic science, which will contribute greatly to the development of a new generation of scientists and advancement of knowledge, science and technology.

KEK endeavors to promote these activities for the realization of the ILC in the future, maintaining a relationship of trust with related organizations.

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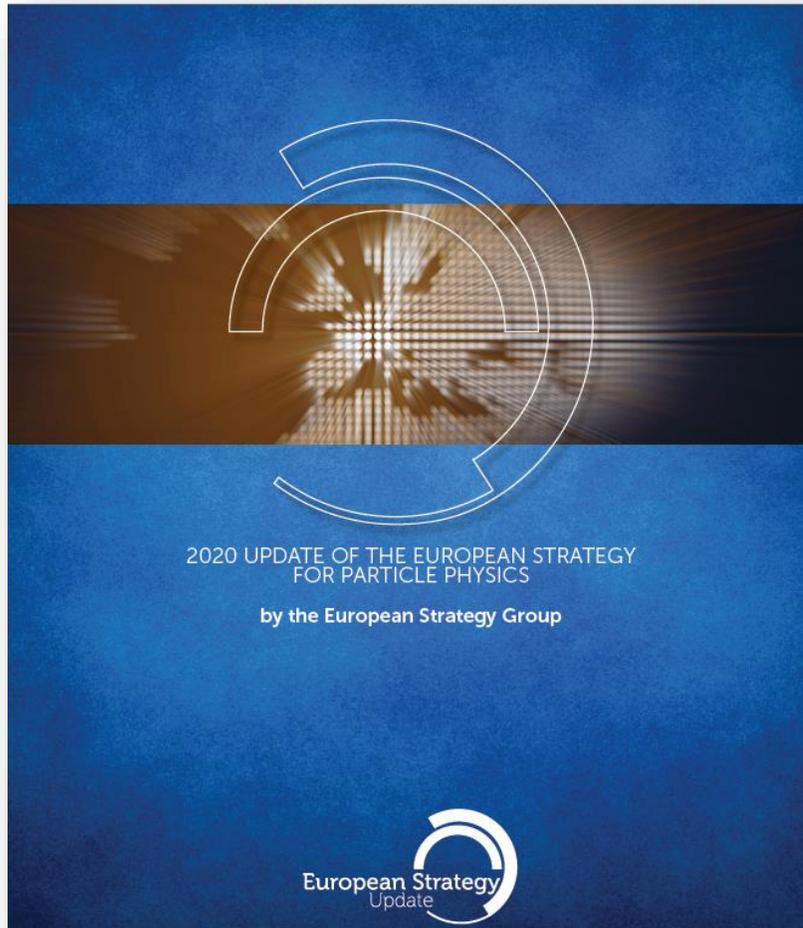
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# Elements of an ILD strategy



A. An electron-positron Higgs factory is the highest-priority next collider. For the longer term, the European particle physics community has the ambition to operate a proton-proton collider at the highest achievable energy. Accomplishing these compelling goals will require innovation and cutting-edge technology:

# A Way towards an ILD Strategy I

## ILD community

- Organize a series of ILD meetings (typically 1-2 hours) to discuss
  - Today: Experimentation at circular colliders
  - 22.3.2022: Experimentation at linear colliders
  - 5.4. 2022: Calorimeter R&D
  - 19.4.2022: Tracking R&D

# A Way towards an ILD strategy II

Define an ILD strategy group

- ILD Executive board (12 people)
- ILD conveners +WG conveners (physics +6, Software +4, technical +14)

Kickoff meeting of the strategy group: 2.3.2022

Draft report will be presented to the ET

ET will present the results to the ILD community

Final decision on “new” ILD strategy by ILD Institute Assembly

# Conclusion

- The ILC project is not proceeding as rapidly as we have hoped
- ILD needs to re-invent itself
- We propose a approx. 6 month process to re-define the ILD strategy in view of the changed international situation
- ILD as a group has a lot to offer to the community