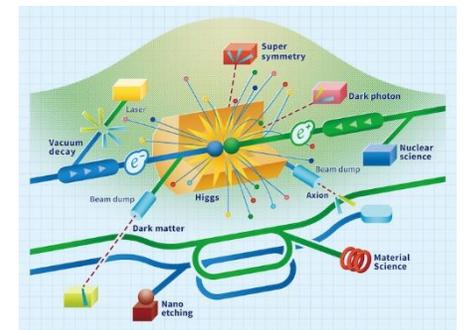




High Energy Accelerator
Research Organization



ILCX2021 ILC Workshop
on Potential Experiments

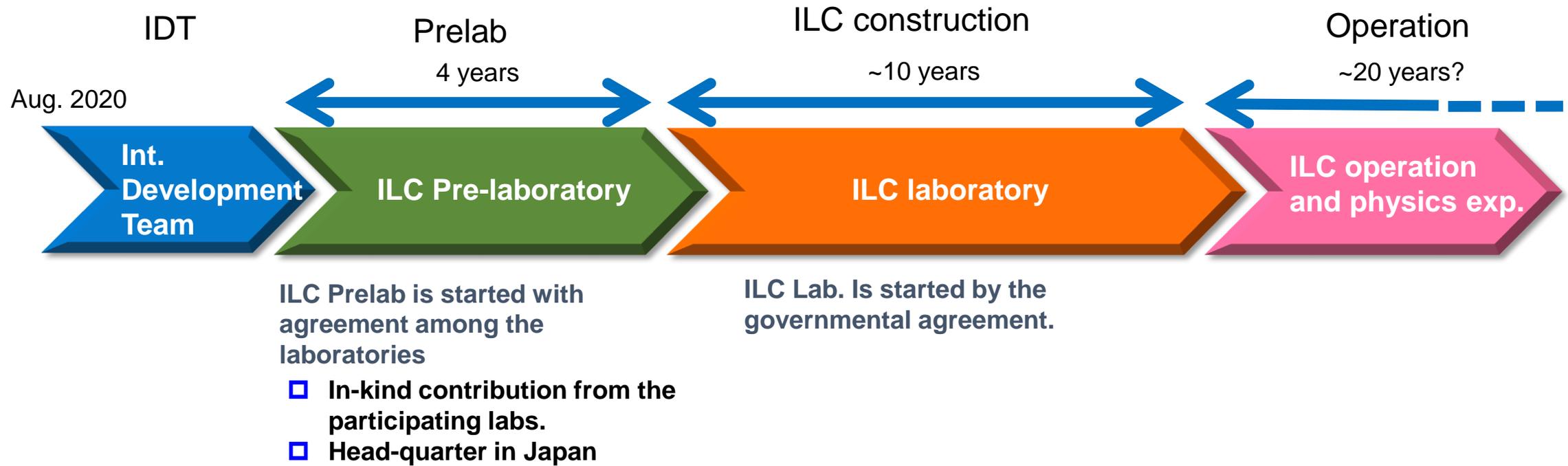
Welcome to ILCX2021!

October 26, 2021

Masanori Yamauchi
KEK

Step-wise realization of ILC

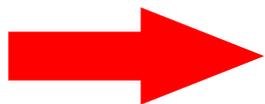
The ICFA created the International Development team (IDT) at its meeting in February 2020 to advance the ILC realization step-wise.



Message from MEXT (March 2021)

Message given by the MEXT Minister

- The ILC project needs to resolve its various challenges including its international cost sharing and technical feasibility, as well as to obtain broad internal and external cooperation not for its pre-laboratory but for the ILC project itself.
- Under the current situation that the perspective of broad internal and external cooperation for the ILC project itself as well as its pre-laboratory is not promised, it is difficult to obtain the people's understanding in Japan for investing the pre-laboratory. It is necessary to obtain the clear perspectives on financial contributions to the ILC project itself from the US and European countries in prior considering the pre-laboratory.”



Three keys to move ILC forward given by MEXT:

1. Technical feasibility (← Prelab)
2. International cost sharing (← Governments, IDT, Phys. community)
3. Broad consensus in Japan (← Japanese phys. community)

Japanese ILC community submitted a report to MEXT describing the progress on the key issues of the ILC (June 2021).

1. Outlook on International Research Cooperation and Cost Sharing
2. Scientific Value and Dissemination to General Public and Science Community
3. Clarification on Technical Feasibility
 - [1] ILC Accelerators
 - [2] Civil Engineering and Environmental/Safety Issues
4. Cost Estimation Feasibility
5. Development and Securement of Human Resources
6. Others
 - [1] Organization and other issues of the prelab
 - [2] Technical and economic spillover from the ILC technology

This is a response to the inquiries given by the previous ILC Expert Panel (2018) and ILC Committee of SCJ (2018).

ILC Expert Panel reopened by MEXT

Preamble of the note to request to reopen the ILC Expert Panel (July 2021)

IDT, a working group of physicists formed by the international research community, has recently published a proposal for the ILC Prelab, and the domestic research community has submitted the status report describing the progress of major issues related to the ILC program. At this occasion, the ILC Expert Panel will be resumed in order to do follow-up discussions from a professional viewpoint regarding the progress in the entire ILC plan and to organize the latest information.

Panel members

14 scientists from various research fields, astronomy, civil engineering, particle accelerator, high energy physics, nuclear physics, journalist, public relations,...

Schedule

July 29 First meeting

Oct. 14 and 18 Presentations by the Japanese ILC community and IDT

Report will be published by the end of 2021 or March 2022 at the latest.

MEXT is starting international discussion with the US and European governments

Letter from the MEXT Minister, Hagiuda, to ICFA (May 31, 2021)

Therefore, I recognize that it is appropriate to continue discussions regarding the ILC project between administrative officials of the relevant countries at the right time, as well as to pay attention to researchers' efforts to deal with the remaining challenges.

Message from MEXT to ICFA (July 14, 2021)

Recognizing that the publication of the IDT's report is an opportunity, in order to explain MEXT's position on the ILC project and to exchange views with other participants, MEXT will begin to contact the US and European counterparts this month for having a discussion on the project around autumn. it would be important that communications between particle physicists and their government authorities in the US and European countries improve.

We are expecting that outcome of the first meeting will be announced soon. The international physics community is kindly requested to have opportunities for communications with each government to promote understanding.

New Organization of ILC Promotion in Japan

