



Report from Physics Coordinators

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on behalf of the Physics WG
Oct 7, 2020

ILC Situation in Japan

Current Status

- *Because of COVID19, it is not an appropriate time to bring up a big scientific project like ILC.*
- *However, the political environment about ILC is now very good, thanks, in particular, to **strong US support.***
- *The climate change: The first stage of the ILC is 250 GeV but, now **studies on energy upgrade even above 1 TeV is encouraged.***
- *Although the number of infection cases is increasing,*
 - *KEK is operating in the new normal mode, and **various ILC promotion activities are on-going, through the federation of diet members for ILC. New PM, Mr. Suga, very well-informed of ILC. MEXT minister, Mr. Hagiuda stays in his position. A deputy-MEXT minister responsible for S&T policy from Iwate. Political environment keeps improving.***
 - *Remaining hurdle: financial resource outside the ordinary S&T budget*
 - *Tohoku upgraded its ILC promotion organization on Aug.6. Now actively promoting ILC.*
- *Various strategy discussions are on going in KEK and JAHEP (Future HEP Project Committee). Note: **1st complete draft of KEK RM is out for comments from JAHEP. Its English translation being prepared. Final version after international review, maybe in April.***
- *The International Development Team took over LCC/LCB:*
 - ***IDT Membership now open to public on Sep.11.***

ILC newslines

September 25 Issue

<http://newslines.linearcollider.org>

A team effort for a new collider: Tatsuya Nakada

After seven years of work, the Linear Collider Board (LCB) and Linear Collider Collaboration (LCC), which were established by the International Committee for Future Accelerators (ICFA) completed their term in June 2020. Taking into account the recent increase of political support in Japan for the ILC, ICFA concluded that the ILC project should take a step towards the preparatory phase for a future ILC laboratory. To help this move, **ICFA established the ILC International Development Team (ILC-IDT)** whose mandate is to prepare for the creation of the ILC Pre-laboratory. Unlike LCB and LCC who were promoting a linear collider in general, **the ILC-IDT focuses on the ILC with Japan as the host country.**

There is a clear pressure from the high-energy physics community to move fast. The recent update of the [European Strategy for Particle Physics](#) has underlined the European interest to collaborate with ILC if it were realised in a timely fashion. **The goal of the IDT is to complete the preparation for the ILC Pre-laboratory in a timescale of 1.5 to two years**, which is extremely ambitious. There is a lot of work to be done: making a proposal for the organisation and governance of the Pre-laboratory, establishing a scheme where the national and regional laboratories worldwide can contribute to the work during the Pre-laboratory phase so that all the technical specifications for the ILC project being completed and ready for the construction phase, and much more. However, the members of the ILC-IDT Executive Board, who took office in August, are very motivated to tackle this challenge with a support from KEK who is hosting the ILC-IDT. In parallel to our activities, we hope that the effort by the Japanese colleagues will result in a positive move by the Japanese government that is equally essential for establishing the Pre-laboratory.

Lastly, I would like to express our sincere and deepest appreciation to the members of LCB and LCC, in particular the LCC Director, Lyn Evans and his management team as well as the first Chair of LCB, Sachio Komamiya, for their long lasting effort which made it possible to make this new step.

ICFA and the ILC's International Development Team: Geoff Taylor

<http://newsline.linearcollider.org/2020/09/25/icfa-and-the-ilcs-international-development-team/>



IDT Phys/Det WG (WG3)

now preparing for Snowmass

Oct. 5-8: Snowmass Community Planning Meeting

<https://indico.fnal.gov/event/44870/overview>

On-going!

Oct. 14 (TBC): 2nd Snowmass Tutorial

ILD Physics WG Activities

***- Joint Effort with Software WG
and IDT WG3 -***

Today (Oct 7)

- ***New SDHCAL samples by Camilo Carrillo***
- ***Sc-ECAL calibration by Naoki Tsuji***
- ***Single top background by Yuichi Okugawa***

Proposed S&A meeting schedule

Oct. 5-8: Snowmass Community Planning Meeting

<https://indico.fnal.gov/event/44870/overview>

Oct. 7 (Today): KF

Oct. 13: General ILD Phone Meeting

Oct. 19-22: AWLC2020 → No S&A meeting on Oct. 21

<https://conf.slac.stanford.edu/awlc2020/>

Nov. 4: Daniel

Nov. 18: Frank

Biweekly S&A meeting on Wednesday at 14:00 CERN time.

Physics conveners' meeting every two weeks on Wednesday at 14:00 CERN time interleaved with S&A meetings.

Conveners' ML:

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Use this mailing list to send your talk request.

Stay healthy!