



# **Report from Physics Coordinators**

Keisuke Fujii  
on behalf of the Physics WG  
Sep 9, 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 (Jim Siegrist, Abid Patwa, at a recent DOE-HEP PI meeting). 1st Science and Technology Diplomatic Circle Webinar on ILC on Sep.8.*
- *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. Political environment improving.*
  - *Tohoku upgraded its ILC promotion organization on Aug.6.*
- *Various strategy discussions are on going in KEK (KEK Roadmap) and JAHEP (Future HEP Project Committee). Note: 1st complete draft of KEK RM, recommending further enforcement of ILC promotion effort.*
- *The International Development Team to take over LCC/LCB:*
  - *LCB's proposal was approved on Aug. 2 and IDT started.*
  - *A new ICFA statement issued on Aug. 4.*

ICFA  
ILC International Development Team  
August 20, 2020

At its 86th meeting held on August 2, 2020, ICFA approved the formation of the International Linear Collider International Development Team (ILC-IDT, referred to here as the Team) with a mandate to make preparations for the ILC Pre-Lab in Japan, which is the next step in the ILC project.

The Team has commenced its work and is expected to complete its mandate by the end of 2021.

**Structure and function of the ILC-IDT**

The Team is hosted by KEK and consists of the Executive Board (EB) and three Working Groups (WG1, WG2 and WG3).

The EB comprises:

- a Chair;
- a member from each of the three regions contributing to the ILC effort (Americas, Asia-Pacific and Europe); and
- three ex-officio members (KEK liaison officer and Chairs of WG2 and WG3, whereas WG1 is chaired by the EB Chair).

The EB members are appointed by ICFA. The EB has the overall responsibility for the Pre-Lab preparation.

The EB and WG1 will carry out the key tasks of developing the function and organisational structure for the Pre-Lab. They will support the preparation of Memoranda of Understanding among the national laboratories and other interested parties for the operation of the Pre-Lab and will support discussions at the national authority level.

WG1 membership is established by the EB, includes the EB members and is chaired by the EB Chair.

WG2 conducts the ILC accelerator and facility work.

WG3 carries out the ILC physics and detector activities.

The members of WG2 and WG3 will be appointed by the EB.

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**Executive Board and Working Group 1 (WG1):**

Chair – Tatsuya Nakada (EPFL)

**Regional Representatives:**

Europe – Steinar Stapnes (CERN)

Americas – Andy Lankford (University of California, Irvine)

Asia/Oceania – Geoffrey Taylor (University of Melbourne)

**Working Group 2 (WG2):**

Chair – Shinichiro Michizono (KEK)

**Working Group 3 (WG3):**

Chair – Hitoshi Murayama (University California Berkeley/ IPMU-University of Tokyo)

KEK Liaison - Yasuhiro Okada (KEK)

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**Contacts:**

Geoffrey Taylor (ICFA, Chair) - The University of Melbourne;

Tatsuya Nakada (Chair, Executive Board, ILC-IDT) - EPFL, Lausanne

***IDT Membership  
now open to the  
general public***

# ***IDT Phys/Det WG*** ***(WG3)***

# ***IDT Phys/Det WG (WG3)***

***now preparing for Snowmass***

***~~Aug. 31: Snowmass Lol deadline~~***

***~~Aug. 28: 1st Snowmass Tutorial~~***

***~~<https://indico.fnal.gov/event/45031/overview>~~***

***Oct. 5-8: Snowmass Community Planning Meeting***

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

***Registration is open. Please register.***

# ***ILD Physics WG Activities***

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

***Today (Sep 9)***

- ***Update on 2- $\gamma$  hadron BG and low delta M analysis by Swathi***
- ***Lepton ID in jets by Dan Yu***
- ***K mass by Uli***

# ***Proposed S&A meeting schedule***

***Sep. 9: Frank***

***Sep. 23: Jenny***

***Oct. 5-8: Snowmass Community Planning Meeting***

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

***Oct. 7: KF***

***Oct. 13: General ILD Phone Meeting***

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

***Nov. 4: Daniel***

***Nov. 8: 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:**

[ild-physics-conveners@desy.de](mailto:ild-physics-conveners@desy.de)

***Use this mailing list to send your talk request.***

***Stay healthy!***