



# **Report from Physics Coordinators**

Keisuke Fujii  
on behalf of the Physics WG  
Jan 20, 2021

# **ILC Situation in Japan**

# New Framework for ILC Promotion - in Japan -

*New document summarizing ILC promotion activities in Japan*

[http://jahep-ilc.org/files/ILC\\_JP\\_update\\_20210116\\_E.pdf](http://jahep-ilc.org/files/ILC_JP_update_20210116_E.pdf)

# ILC Promotion Framework in Japan: *as of Jan. 2021*



from JAHEP ILC Steering Panel's report, Jan. 2021

# ***JAHEP ILC Steering Panel***

***HEPC representing JAHEP established JAHEP ILC Steering Panel on Oct. 28.***

The mandate of the Panel is to lead the high energy physics community in Japan to advance the ILC project towards its timely realization , including:

- developing coherent promotion strategies and putting them into action,
- in promotion of the ILC project, cooperating with other scientific communities, government authorities, legislators, corporate leaders, regional governments, and media, as well as international communities and authorities,
- cooperating closely with the IDT and KEK.

The Panel will regularly report its activities to the HEPC. Important decision items will be discussed by the HEPC and shared in the high energy physics community in Japan.

## **Members of the JAHEP ILC Steering Panel**

Shoji Asai (University of Tokyo)

Kazunori Hanagaki (KEK)

Toru Iijima (Nagoya University)

*Kiyotomo Kawagoe* (Kyushu University)

*Sachio Komamiya* (Waseda University)

*Shinichiro Michizono* (KEK)

Toshinori Mori (University of Tokyo)

*Hitoshi Murayama* (UC Berkeley/Kavli IPMU, University of Tokyo)

Yutaka Ushiroda (KEK)

*Hitoshi Yamamoto* (Tohoku University/IFIC Valencia)

*Satoru Yamashita* (University of Tokyo) – *Chair*

***Members include those who had not been proactively participating in ILC promotion before.***

<http://jahep-ilc.org/en/>

- *The political environment about ILC is now very good, thanks, in particular, to strong US support. A new deputy-MEXT minister, Ms. Takahashi, responsible for S&T policy from Iwate, very supportive. Multiple discussion sessions held.*  
→ *Remaining hurdle: how to secure financial resource outside the ordinary S&T budget.*
- *The climate change: The first stage of the ILC is 250 GeV but, now studies on energy upgrade even above 1 TeV is encouraged. Discussions on non-colliding beam experiments using the ILC facility starting.*
- *In spite of the recent resurgence of the COVID19, KEK is operating in the new normal mode, and various ILC promotion activities are on-going. Various strategy discussions on going in KEK and JAHEP (Future HEP Project Committee). Note: Interim version of KEK RM is out for comments from JAHEP, the final version expected after international review, maybe in April.*
- *JAHEP ILC Steering Panel* was established on Oct.28 to lead the HEP community in Japan to advance the ILC project towards its timely realization.
- *The International Development Team (IDT) took over LCC/LCB:*  
→ *IDT Membership is open to public since Sep.11, substructure being formed.*  
→ *Actively working on Snowmass process to expand the ILC community.*  
→ *Preparation on-going for JFY2022 budget request to establish Pre-Lab.*
- *Tohoku upgraded its ILC promotion organization, Tohoku ILC Project Development Center, on Aug.6.*  
→ *Now actively promoting ILC.*

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

# ***A New Long Writeup for Snowmass***

## **Purposes:**

- 1. To assemble the full ILC story for the benefit of the Snowmass conveners and P5.**
- 2. To provide a vehicle for many members of the US community to sign and hopefully contribute.**

**New Schedule (See next page)**



# ***Snowmass has been delayed by one year so does the schedule for the document!***

**Michael Peskin**

## ***New Schedule for the document***

- Feb. 15, 2021** Due date for the editors to write some basic material in each section, so that one can have an idea of the scope of the document and of additional studies needed for Snowmass.  
MP will edit these materials, to have a first basic -- though very incomplete -- version ***to present at LCWS 2021 (March 15-19, virtual)***.
- Oct. 25, 2021** Target date for a complete first draft of the report, ***to be presented at the Tsukuba ILC EOI Workshop (Oct. 26-30)***.
- Jan. 2022** arXiv posting of v1, submission ***to the Snowmass Energy Frontier conveners*** ; beginning of a drive for signatures
- Jun 2022** arXiv posting of v2
- Aug 2022** ***final version***, which will also be a reference document for the upcoming US P5 and National Academy panels

# ***LC Workshops***

1. LCWS 2021 organized by Europe, with session on experiments, new ideas, ... ***March 15-19, 2021, fully virtual***
2. EOI WS, intended to be a community engagement workshop on Experiments, ***October 25-29, 2021, hopefully in person in Japan***

# ***ILD Physics WG Activities***

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

***Today (Jan. 20)***

- ***Deep Jet Clustering by Masakazu***
- ***Key4HEP - Turnkey Software for Future Collider by Thomas***

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

**Jan. 20: Jenny**

Jan. 27: KF

Feb. 3: Daniel

Feb. 10: Frank

Feb. 17: Jenny

***Weekly S&A meeting on Wednesday at 15:00 CERN time,  
shifted by 1 hour for US west coast people***

***Schedule also on***

***<https://confluence.desy.de/display/ILD/ILD+Physics+Working+group>***

***Physics conveners' meeting every two weeks on Wednesday  
at 14:00 CERN time.***

**Conveners' ML:**

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

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

***Stay safe!***