



# Report from Physics Coordinators

Keisuke Fujii  
on behalf of the Physics WG  
July 15, 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 (Chris Fall, DG of DOE Office of Science, at a recent HEPAP meeting).***
- *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, in particular, in Tokyo,*
  - *KEK is operating in the new normal mode,*
  - *and **various ILC promotion activities are on-going, through the federation of diet members for ILC.***
  - ***Tohoku is planning to renew its ILC promotion organization.***
- *Various strategy discussions are on going in KEK (KEK Roadmap, IPNS RPC) and JAHEP (Future HEP Project Committee).*
- *The International Development Team to take over LCC/LCB:*
  - ***LCB's proposal sent to ICFA, to be approved on Aug.2.***

# ***LCC Physics WG***

## ***preparation for Snowmass***

***Though its official term expired on June 30, LCC Physics WG continues its activities until the IDT takes over its role.***

# LCC Physics WG is now gearing up its activity towards Snowmass

DESY 20-122,  
KEK Preprint 2020-8,  
IFIC/20-34, LCTP-20-14  
SLAC-PUB-17543  
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ILC Study Questions for Snowmass 2021

LCC PHYSICS WORKING GROUP

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## ABSTRACT

To aid contributions to the Snowmass 2021 US Community Study on physics at the International Linear Collider and other proposed  $e^+e^-$  colliders, we present a list of study questions that could be the basis of useful Snowmass projects. We accompany this with links to references and resources on  $e^+e^-$  physics, and a description of a new software framework that we are preparing for  $e^+e^-$  studies at Snowmass.

- July 7-8: Prep session (<https://indico.fnal.gov/event/43959/timetable/#20200707>) for July 20-22 Snowmass EF WS:
  - significant contributions from the ILC community
  - presentations on MC samples by Shin-ichi, Filip.
- July 20: Michael Peskin will report on this document in ***the July 20-22 Snowmass EF WS*** (<https://indico.fnal.gov/event/43963/timetable/#20200720>)
  - LCC physics WG will have a telecon tomorrow together with other people actively working on MC samples.

# ***ILD Physics WG Activities***

***- Joint Effort with Software WG  
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***Today (July 15)***

- ***Stau searches by Teresa***
- ***Update on the mini-DST project by Shin-ichi***

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

***Jul. 15: KF***

***Jul. 20-22: Snowmass EF WS:***

<https://indico.fnal.gov/event/43963/timetable/#20200720>

***Jul. 23,24: ICHEP Rehearsal:***

<https://agenda.linearcollider.org/event/8583/>

Jul. 29: Frank

Aug. 12: Jenny

***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!***