



Report from Physics Coordinators

Keisuke Fujii
on behalf of the Physics WG
Feb 24, 2021

ILC Situation in Japan

- **The political environment about ILC is now very good, thanks to strong US support. A new deputy-MEXT minister, Ms. Takahashi, responsible for S&T policy, very supportive. Discussion sessions happening semi-regularly.**
 - **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.**
- **The 3rd wave of COVID19 seems peaked out, KEK is operating in the new normal mode, and various ILC promotion activities are on-going. A draft KEK RM on is out for international review on Feb. 10, final version 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.**
 - **Background briefing to media, explanation to other fields, on going.**
- **The International Development Team (IDT) took over LCC/LCB:**
 - **IDT Membership is open to public since Sep.11, WG substructure ~complete.**
 - **Working on Snowmass process to expand the ILC community.**
 - **Preparation on-going for JFY2022 budget request to launch Pre-Lab, including documentation of Pre-Lab design and plan.**
- **Tohoku upgraded its ILC promotion organization, Tohoku ILC Project Development Center, on Aug.6.**
 - **Now actively promoting ILC, including English translation of CFS related documents, etc.**

IDT Phys/Det WG (WG3)

WG3 Meeting ~15 hours ago.

- ***Substructure almost complete.***
- ***Draft mandates shown for WG3 and its 4 sub-WGs.***
- ***LCWS2021 preparation status***
- ***Clarification about the Fall WS***

LC Workshops

1. LCWS 2021 organized by Europe, with session on experiments, new ideas, ... **March 15-18(19), 2021**, fully virtual. *Registration is open and abstract calls have been made by session conveners (new deadline Feb.28):*

<https://indico.cern.ch/event/995633/>

Please let physics conveners know if you have submitted or plan to submit an abstract, using ild-physics-conveners@desy.de. PCs will schedule your pre-talk as needed in a coming S&A meeting.

2. A WS, ~~EOI WS~~ ***International Linear Collider WS on potential ILC experiments*** (tbc), intended for community engagement to experiments at ILC, ***October 25-29, 2021, hopefully in person in Japan.***

LCWS 2021

Overview

- March 15-18, fully virtually, hosted by CERN, <https://indico.cern.ch/event/995633/>
- No fee, but registration will be required for book-keeping and data protection reasons
- **currently 377 registrants**
- Overarching goal: broaden the community => healthy mix of information for newbies and opportunities to present & discuss ongoing work!

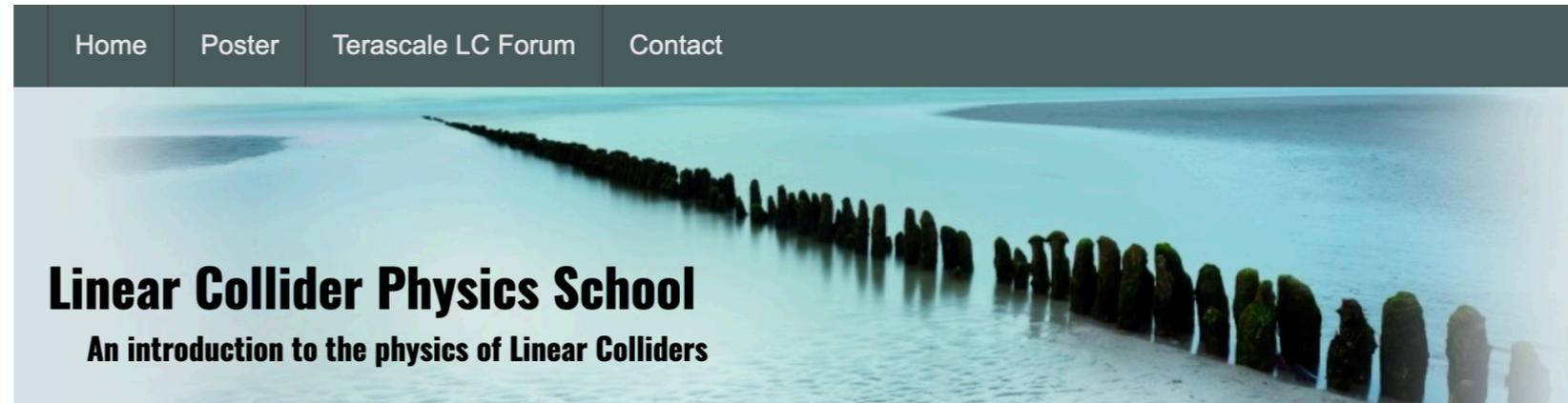
Session	PDT (GMT-7)	CET (GMT+1)	JST (GMT+9)
LC School	March 15, 01:00-05:30	March 15, 09:00-13:30	March 15, 17:00-21:30
PLENARY	March 15, 06:00-09:00	March 15, 14:00-17:00	March 15, 22:00-01:00
Parallel 1	March 15, 14:00-16:00	March 15, 22:00-24:00	March 16, 06:00-08:00
Parallel 2	March 15, 22:00-24:00	March 16, 06:00-08:00	March 16, 14:00-16:00
Parallel 3	March 16, 01:00-02:30	March 16, 09:00-10:30	March 16, 17:00-18:30
Parallel 4	March 16, 03:00-04:30	March 16, 11:00-12:30	March 16, 19:00-20:30
PLENARY	March 16, 06:00-09:00	March 16, 14:00-17:00	March 16, 22:00-01:00
Parallel 1	March 16, 14:00-16:00	March 16, 22:00-24:00	March 17, 06:00-08:00
Parallel 2	March 16, 22:00-24:00	March 17, 06:00-08:00	March 17, 14:00-16:00
Parallel 3	March 17, 01:00-02:30	March 17, 09:00-10:30	March 17, 17:00-18:30
Parallel 4	March 17, 03:00-04:30	March 17, 11:00-12:30	March 17, 19:00-20:30
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Parallel 3	March 18, 01:00-02:30	March 18, 09:00-10:30	March 18, 17:00-18:30
Parallel 4	March 18, 03:00-04:30	March 18, 11:00-12:30	March 18, 19:00-20:30
PLENARY	March 18, 06:00-09:00	March 18, 14:00-17:00	March 18, 22:00-01:00

Optionally: Poster Sessions, discussion sessions, virtual coffee breaks - DESY will provide remo.co

New: mini-LCSchool @ LCWS

pre-program for students and other newcomers

- Monday March 15, 9:00-13:30
- three 60 min + 15 min lectures on
 - Georg Weiglein: LC physics program
 - Wolfgang Hillert: LC accelerator physics
 - Roman Pöschl: LC detectors
- targeting bachelor / master students or newcomers to ILC
- registration to LCWS required, plan to record lectures



Welcome to the Linear Collider School

Following the success of the Ambleside LC Physics schools (see [here](#) for its latest instalment), a new series of LC Physics schools was started in 2013, 2014 and 2016. The next edition will take place 6-13 May 2018 at Frauenchiemsee, Bavaria, Germany.

**Many thanks to Gudi
for organizing this on
extremely short notice!**

About the Fall WS

Hitoshi Murayama
from IDT WG3 meeting

I was informed by several people that there has been a confusion about the Eol process. While the spring **LCWS** is for **the discussion on physics that can be addressed in various ways at ILC**, the **fall workshop** is about **more concrete ideas of experiments, rather than a physics idea and sketchy detector concept, and some people behind to work on them**. For the **real Eol presentation anticipated in 2022**, one has to show **expected performance of the experiments resulted from some simulation studies and technical description of the detector**. The actual call for Eols will be “due” by then, and currently written proposals are not envisioned. The call for Eols will be triggered by a concrete sign of funding for pre-lab, and Eols are presented after the pre-lab is launched.

yours Tatsuya

KF's comment:

- ***Eol call by IDT after the Cabinet submits its JFY2022 budget request (incl. pre-Lab) to the diet.***
- ***Eol presentation during the Pre-Lab period.***

ILD Physics WG Activities

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

Today (Feb. 24)

- ***Validation of new 2f->hadronic samples for the bb/cc/ss AFB analysis by Adrian***
- ***Study of b-jet resolutions for kinematic fitting by Yu***

Proposed S&A meeting schedule

Feb. 24: KF
Mar. 3: Daniel
Mar. 10: Frank

Caution: Meeting time will change!

A short S&A meeting every Wednesday at 14:00 CERN time, shifted back by 1 hour to, from March 3 on.

Schedule also on

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

Physics conveners' meeting every two weeks on Wednesday at 13:00 CERN time, shifted by 1 hour accordingly.

Conveners' ML:

ild-physics-conveners@desy.de

Use this mailing list to send your talk request.

Stay safe!