



Report from Physics Coordinators

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on behalf of the Physics WG
July 14, 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. Masa is talking to MEXT. Amid the 4th wave of COVID19, however, it is not a perfect time to bring up a big scientific project like ILC.**
- **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.**
- **Despite the 4th wave of COVID19, KEK is operating in the new normal mode, and various ILC promotion activities are on-going. The KEK PIP process started.**
- **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.**
 - **An X+ILC series of informal talks on going to involve new comers (7 times).**
- **The International Development Team (IDT):**
 - **Working on Snowmass process to expand the ILC community.**
 - **Pre-Lab proposal published and submitted to MEXT together with a report on remaining issues pointed out by the MEXT panel and the SCJ committee. The MEXT panel will be reinvoked to review these documents.**
- **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)

<https://linearcollider.org/team/wg3/>

WG3 Meeting every two weeks (last one on July 6)

- ***Pre-lab budget request situation***
- ***The fall WS preparation status***
- ***Subgroup reports***

Plan-A (hybrid) & Plan-B (full-online)

	Day 1 (Tue) 26 Oct	Day 2 (Wed) 27 Oct	Day 3 (Thu) 28 Oct	Day 4 (Fri) 29 Oct
13:00 - 15:00	Parallel (max. 6 sessions)	Parallel (max. 6 sessions)	Parallel (max. 6 sessions)	Plenary (summary session)
15:30 - 17:30	Parallel (max. 6 sessions)	Parallel (max. 6 sessions)	Parallel (max. 6 sessions)	Parallel (max. 6 sessions)
19:00 - 21:00	Parallel (max. 6 sessions)	Parallel (max. 6 sessions)	Parallel (max. 6 sessions)	Plenary (summary session)
21:30 - 23:30	Plenary	Plenary	Plenary	Plenary (discuss next steps)

- **Venue for Plan-A:** KEK Tsukuba campus (~30 min from hotels by bus)
- **LOC preference:** shuttle bus departure before midnight, serve lunch/dinner at KEK
- **# of plenary talks:** 20 min x 24 talks + 20 min x 12 summary talks
- **4 time slots (two hours each):** expect much more parallel talks than Plan-C (in-person)
 - 13:00-15:00 JST (6:00-8:00 CEST, 0:00-2:00 EDT, 21:00-23:00 PDT)
 - 15:30-17:30 JST (8:30-10:30 CEST, 2:30-4:30 EDT, 23:30-1:30 PDT)
 - 19:00-21:00 JST (12:00-14:00 CEST, 6:00-8:00 EDT, 3:00-5:00 PDT)
 - 21:30-23:30 JST (14:30-16:30 CEST, 8:30-10:30 EDT, 5:30-7:30 PDT)

CEST: Central European Summer Time, EDT: Eastern Daylight Time, PDT: Pacific Daylight Time
- **Optional program:**
 - In the morning: KEK facility tour, on-site satellite meetings etc.
 - On Monday (one day before Day 1): Excursion to Iwate (ILC candidate site etc.)

Physics Potential & Opportunity Group

- continue regular open meetings (no summer break):
July 15, August 12, September 16
- on every other Tuesday, discuss with TG conveners on potential contributions
- Snowmass is restarting (EF from July);
EF workshop Aug. 30 - Sep.3


Software & Computing Group

Software tutorials <https://agenda.linearcollider.org/category/273/>

WEDNESDAY, 23 JUNE


22:30 → 23:15 **The ILC DELPHES card**

Speaker: Aleksander Filip Zarniecki (University of Warsaw)

 ilc_delphes_tutorial...

23:15 → 00:00 **Analysis with miniDST**

Speaker: Jenny List (Deutsches Elektronen-Synchrotron (DE))

 jlist_minIDST_2010...

Many thanks to Filip and Jenny for excellent talks / tutorials !

~40 participants, including many new names

Next tutorial:

WEDNESDAY, 21 JULY

22:30 → 00:00 **Introduction to iLCSoft**

Speaker: Thomas Maclener (Deutsches Elektronen-Synchrotron (DE))

ILD Physics WG Activities

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

Today (July 14)

- ***MC2020 production report by Hiroaki***
- ***Topical paper report “Measurement of $\sigma(e^+e^- \rightarrow HZ) \times \text{Br}(H \rightarrow ZZ^*)$ at the 250 GeV ILC” by Evgeny***
- ***Topical paper referee report by Filip***

Proposed S&A meeting schedule

Jul. 14: Daniel

Jul. 28: Filip

Aug. 4: KF (Be careful this one is irregular)

Aug. 25: Frank

Sep. 8: Daniel

S&A meeting every two weeks on Wednesday at 14:00 CERN time

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.

Conveners' ML:

ild-physics-conveners@desy.de

Use this mailing list to send your talk request.

Stay safe!