Report from Physics Coordinators

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

ILC Situation in Japan

- *The political environment about ILC is now very good, thanks to strong US support, which continues. LDP won the Oct.31 election. Most members of PM Kishida's cabinet stay, including the finance minister, Mr. Shunichi Suzuki, who is from Iwate and a strong supporter of ILC. Secretary General of LDP has been replaced by Mr. Motegi, the former foreign minister who received the letter from the State Department expressing support for 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 on-going.*
- *The COIVD19 infection cases dramatically decreased in Japan, and KEK is operating in the new normal mode.*
- *The International Development Team (IDT):*
  - → *Working on Snowmass process to expand the ILC community.*
  - → *Pre-Lab proposal submitted to MEXT together with a report on remaining issues pointed out by the MEXT panel and the SCJ committee.*
- *JAHEP ILC Steering Panel is doing background briefing to media, explanation to other fields. An X+ILC series of informal talks on going to involve new comers.*
- *ILC Japan, an executive body (led by Shoji Asai) of the JAHEP to advance various ILC related activities together with KEK started. Working for the review by the new MEXT Advisory Panel (1st meeting on July 29, 2nd on Oct. 14, 3rd on Oct. 18, the 4th one on Nov. 29).*
- *Tohoku's upgraded ILC promotion organization, Tohoku ILC Project Development Center, actively promoting ILC, in spite of the COVID19 situation.*

IDT Phys/Det WG (WG3)

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

WG3 Meeting every two weeks (last one 15h ago)

- ***European ILC community meeting & ECFA: Jenny***
- ***Subgroup reports***

Physics Potential & Opportunity Group

- Schedule for regular open meetings:

  August 12: talks from Tim Barklow on eγ→eH and on the new CEPS paper
  September 16: talks from Matt Basso on H→ss and from Yu Kato on H→4b
  No meeting in October
  November 11/12: bottom, e+ pol, SMEFT, tt threshold (see next page):
  https://agenda.linearcollider.org/event/9351/
  Dec. 16, Jan. 13, Feb. 10, Mar. 10, Apr. 14

- Snowmass is restarting (EF from July);

  EF workshop Aug. 30 - Sep.3 https://indico.fnal.gov/event/49756/
  Snowmass Day (all frontiers) Sep. 24 https://indico.fnal.gov/event/50538/

Software & Computing Group

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

- **July 21, Introduction to iLCSoft:** https://agenda.linearcollider.org/event/9272/
- **August 18, LCFIPlus:** https://agenda.linearcollider.org/event/9318/
- **October 13, SGV fast simulation:** https://agenda.linearcollider.org/event/9394/
- ***Planning the next one for PFA***

ILD Physics WG Activities

- Joint Effort with Software WG and IDT WG3 -

Today (November 24)

→ ***ALR measurement using $e^+e^- \to Z\gamma$ by Takahiro Mizuno***

Proposed S&A meeting schedule

Nov. 24: ***KF***
Dec. 7: General ILD phone meeting
Dec. 8: Daniel

S&A meeting usually 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!