



# Report from Physics Coordinators

Keisuke Fujii  
on behalf of the Physics WG  
December 8, 2021

# **ILC Situation in Japan**

***No update since yesterday***

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

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

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

- ***Updates in Japan***
- ***Subgroup reports***

# Physics Potential & Opportunity Group

- Schedule for regular open meetings:
  - August 12: talks from Tim Barklow on  $e\gamma \rightarrow eH$  and on the new CEPS paper
  - September 16: talks from Matt Basso on  $H \rightarrow ss$  and from Yu Kato on  $H \rightarrow 4b$
  - No meeting in October
  - November 11/12: bottom,  $e^+$  pol, SMEFT,  $t\bar{t}$  threshold (see next page):  
<https://agenda.linearcollider.org/event/9351/>
  - December 16/17: generators, CPV in SMEFT,  $H^3$  effects in 2HDM, energy calibration and luminosity spectrum (GW)**  
<https://agenda.linearcollider.org/event/9352/>
  - Jan. 13, Feb. 10, Mar. 10, Apr. 14  
<https://indico.fnal.gov/event/49756/>
- Snowmass is restarting (EF from July);  
*EF workshop Aug. 30 - Sep.3*  
<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 (December 8)***

- ***Stau analysis by Teresa Nunez***
- ***RHN pair production at ILC500 by Jurina Nakajima***
- ***Long lived particles by Jan Klamka***

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

***Dec. 8: Daniel***

**Dec. 22: Frank**

**Jan. 19: KF**

**Feb. 2: Filip**

**Feb. 16: 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](mailto:ild-physics-conveners@desy.de)**

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

***Stay safe!***