



# Report from Physics Coordinators

Keisuke Fujii  
on behalf of the Physics WG  
June 22, 2022

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

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

***Last WG3 Meeting yesterday on June 21***

- ***General news from Tatsuya***
  - ***Int'l Expert Panel (IEP) being setup for general project lifecycle analysis/document. A proposal for IEP has been sent to ICFA for comments. The list of IEP members nominated by IDT EB will be sent to ICFA next week.***
  - ***MEXT seems positive about supporting time-critical WPs.***
- ***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  $H \rightarrow 4b$

November 11/12: <https://agenda.linearcollider.org/event/9351/>

December 16/17: <https://agenda.linearcollider.org/event/9352/>

Feb. 10/11: <https://agenda.linearcollider.org/event/9354/>

Feb. 28, Mar. 1, 3: Mini-WS on BSM at ILC

<https://agenda.linearcollider.org/event/9575/>

Mar. 10, Snowmass, BSM mini-WS, QCD, Green ILC

<https://agenda.linearcollider.org/event/9355/>

Apr. 14: mb, BSM, ALR

<https://agenda.linearcollider.org/event/9356/>

May 12: Mw

<https://agenda.linearcollider.org/event/9357/>

Jun. 9: flavor, dark photon, SMEFT

<https://agenda.linearcollider.org/event/9680/>

**Sep. 15:**

- Snowmass meetings;

EF workshop Aug. 30 - Sep.3

<https://indico.fnal.gov/event/49756/>

Snowmass Day (all frontiers) Sep. 24

<https://indico.fnal.gov/event/50538/>

EF workshop Mar. 28 - Apr.1

<https://indico.fnal.gov/event/52465/>

**Snowmass Community Summer Study**

<http://seattlesnowmass2021.net>

Snowmass Agora

<https://indico.fnal.gov/event/52161/timetable/>

Dec. 15: Linear  $e+e-$  Colliders

<https://indico.fnal.gov/event/52534/timetable/>

Jan. 19: Circular  $e+e-$  Colliders

<https://indico.fnal.gov/event/53010/timetable/>

Feb. 16: 2022: Muon Colliders

# ***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/>
- May 18, MarlinKinFit by Jenny: <https://agenda.linearcollider.org/event/9687/>

## ***ECFA Higgs Factory WG meetings***

- April 8, physics with light quarks: <https://indico.cern.ch/event/1138771/>
- April 20-22, First workshop of the Higgs/Top/EWK subgroup of WG1: <https://indico.cern.ch/event/1132480/>
- May 4-5, First topical meeting on Reconstruction (WG2 activity): <https://indico.cern.ch/event/1124095/>
- May 6, Higgs self-coupling (including LHC status+prospects): <https://indico.cern.ch/event/114376/>
- **Oct. 5-7, 1st ECFA WS on e+e- Higgs/EW/Top Factories: deadline June 30**  
<https://indico.desy.de/event/33640/>

All workshops and seminars of the ECFA Higgs Factory initiative (WG1+WG2) can be found at any time under the Indico category: <https://indico.cern.ch/category/14055/>

# ***ILD Physics WG Activities***

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

***Today (June 22)***

→ ***Dark photon search at future  $e^+e^-$  colliders by Sepideh***

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

***June 22:***        ***KF***  
July 6:            No meeting  
July 20:           KF  
Aug 3:             Filip  
Aug 17:            Frank

***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 interleaved with S&A meetings at 14:00 CERN***

**Conveners' ML:**

[ild-physics-conveners@desy.de](mailto:ild-physics-conveners@desy.de)

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

***Stay safe!***