



Report from Physics Coordinators

Keisuke Fujii
on behalf of the Physics WG
April 27, 2022

IDT Phys/Det WG (WG3)

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

Last WG3 Meeting yesterday on April 26

- ***Followup since ICFA: Tatsuya***
- ***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/>

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:

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

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

- 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 Agora

Dec. 15: Linear e+e- Colliders

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

Jan. 19: Circular e+e- Colliders

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

Feb. 16: 2022: Muon Colliders

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

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

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/>
- ...

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 (April 27)

- ***Update on stau searches by Teresa***
- ***Dark photon search by Sepideh***

Proposed S&A meeting schedule

Apr. 27: KF
May 11: Frank
May 25: Filip
June 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 at the same time as the S&A meeting at 14:00 CERN time but one day before on Tuesday (tbc).

Conveners' ML:

ild-physics-conveners@desy.de

Use this mailing list to send your talk request.

Stay safe!