



Report from Physics Coordinators

Keisuke Fujii
on behalf of the Physics WG
March 11, 2020

ILD Physics WG Activities

Benchmark Analyses

- *Extra Higgs: work on note on going tt/bb: implementing comments*
- H → invisible: circulation period ended*
- H → bb/cc/gg: waiting for reviewers' comments*
- Zγ: implementing comments*
- Others: done*
- *Keep communicating with reviewers and finalize analysis notes if you haven't. Don't forget to **update GitHub and Confluence pages:***

<https://confluence.desy.de/pages/viewpage.action?pageId=89671192>

Today (February 26)

- *Shin-ichi on $H \rightarrow \mu^+\mu^-$*

Benchmark Analyses

- *Extra new draft being reviewed*
tt/bb: implementing comments
H→ invisible: implementing comments
H→ bb/cc/gg: implementing comments, updated github
Zγ: note on confluence
Others: done
- *Keep communicating with reviewers and finalize analysis notes if you haven't. Don't forget to **update GitHub and Confluence pages:***

<https://confluence.desy.de/pages/viewpage.action?pageId=89671192>

Today (March 11)

- *Yumi on $e^+e^- \rightarrow H\gamma$*

Conferences

ICHEP 2020 (physics)

From ILD

- Heavy quark production in high energy electron positron collisions
- Improving Electroweak Precision Observables Including m_w , Γ_w , A_{LR} and TGCs with the ILD Detector
- ILC as a SUSY discovery and precision instrument

From LCC Physics WG

- Expectations for Precision Tests of the Standard Model at the ILC
- Polarized Beams at Future e+e- Colliders
- Precision Higgs physics at the ILC, and its impact on detector design

Proposed S&A meeting schedule

Mar. 11: Daniel
Mar. 25: KF
Apr. 8: Jenny (TBC)
Apr. 22: Frank (TBC)

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Biweekly S&A meeting on Wednesday at 14:00 CERN time.

Physics conveners' meeting every two weeks on Wednesday at 14:00 CERN time interleaved with S&A meetings.

Caution: March 19 PC meeting is on THURSDAY

Conveners' ML:

ild-physics-conveners@desy.de

Use this mailing list to send your talk request.