

Discussed items for action (minutes of meeting 31/1):

Philipp: Produce Higgs result tables and plots for 350 GeV, 1.4 TeV (and 3 TeV), model dependent/independent, 50/100 Hz at 350 GeV. => *done*

Philipp and Aidan: produce a new CLICdp note (see CLICdp-Note-2020-001 template) with all CLICdp Higgs numbers and plots according to the new running scenarios. It will serve as a pointer to the latest CLIC Higgs performance. => *draft was started* <https://www.overleaf.com/project/67af4bc3810472eff60a402b>

Aidan (with Philipp in cc): Contact Jorge de Blas to make him aware of the latest CLIC developments and running statistics. With the aim of getting CLIC included in updates of the EFT fits. (Note that Snowmass fit did not include all CLIC energies (?)).

Andre and Dominik: Look into beam-induced background rates and possible change in luminosity spectrum at 380 GeV for the new beam parameters, which have changed slightly wrt to the 2018 values (see slides of this Jan 31st meeting). Reflect on the arguments for a potential impact, and write a few concluding phrases about the arguments and expected impact. Hopefully no new simulation needed. See CLICdp-Note-2018-005 and EDMS slides 2140446.

Dominik and Eva: Look into DAQ arguments (and data transfer rates) for 100 Hz running and write a few lines of conclusion. Note that DAQ chapter 6 of Detector Technology Yellow Report CERN-2019-001 focuses on 3TeV. Chapter 2 of CERN-2019-001 also has some 380 GeV info. Otherwise look at info from CLICdp-Note-2018-005 and EDMS slides 2140446.

Dominik and Eva: write a short section on advances in relevant detector technologies since the last European Strategy: Silicon vertex, silicon tracking, timing detectors (Dominik), Calorimetry with the CMS HGCal as an example (Eva).

Lucie: Contact Frank Simon and make him aware of our ongoing CLIC plans for the strategy. See whether he wishes to contribute. => *interested, but little time available. We keep him in the loop (sharing emails and links).*

Lucie: Contact Steinar Stapnes, asking for space for a few CLICdp pages in the core CLIC submission to the strategy. => *in contact with Erik and Steinar => agreed that we can have **3 out of 10 pages of the CLIC submission.***

Lucie: Check out the LC physics document that's being prepared by Roman, Jenny and others. Sharepoint document. It was agreed that high e+e- energies would be included. => *ongoing. Who wants access to this Overleaf document?*

<https://www.overleaf.com/project/66f288cb08d131ab616aca4f>

ECFA Higgs/electroweak/top Factory Study

Document Aidan

<https://cds.cern.ch/record/2920434>

Do we need to discuss this?

What's the convention for the author list?

It mentions the latest CLIC luminosities. Thanks !

Following a (very) quick scroll:

There is a section on Higgs to invisible, but the CLIC study is not mentioned/referenced

“Model-independent measurement of the $e^+e^- \Rightarrow HZ$ cross section at a future e^+e^- linear collider using hadronic Z decays”

Eur. Phys. J. C (2016) **76**: 72 (Mark Thomson)