

LHC Higgs Working Group Closeout



20th Workshop of the LHC Higgs WG
November 13-15, 2023

LHC Higgs WG Steering Committee



Thanks for this fruitful meeting!



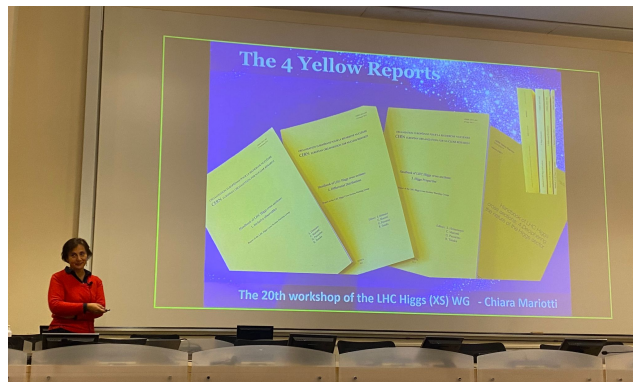
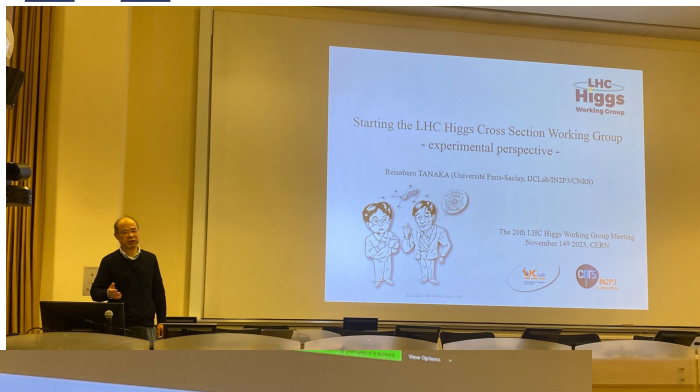


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Anniversary session: 20th workshop



Stefan Dittmaier
Chiara Mariotti
Giampiero Passarino
Reisaburo Tanaka

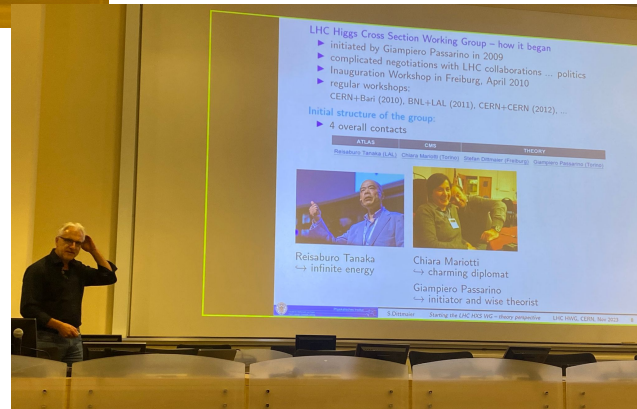
DISCLAIMER

This will not be a vision talk: as many people (H. Schmidt, K. Jakobs) famously said *if you have a vision see a doctor.*

To The Contrary

Before a man studies, to him mountains are mountains and waters are waters; after he gets an insight into the truth, mountains to him are not mountains and waters are not waters; but after this when he really attains to the abode of rest, mountains are once more mountains and waters are waters

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Mattermost

Use the (permanent) Mattermost channels (moderated by the WG conveners) to continue discussions:

- ▷ [WG1](#)
- ▷ [WG2](#)
- ▷ [WG3](#)
- ▷ [HH](#)
- ▷ [Cross-topic](#)



SciPost (see Gudrun's presentation)

News: SciPost (J-S Caux, thanks!) offered to create a new branch

"Physics Community Reports"

<https://scipost.org/SciPostPhysCommunityRep/about>

Refereeing criteria are adapted to the purpose, at least one of the following should be fulfilled (in addition to the general acceptance criteria)

- Provide a novel and synergetic link between different research areas.
- Present a step forward on a previously identified research stumbling block.
- Fill in a gap concerning reference results or benchmarks in a particular research direction, with clear potential for multi-pronged follow-up work.

Expect most LHC Higgs WG reports to be submitted to Physics Community Reports in the future.



Towards YR5 (see Gudrun's presentation)

- ▶ YR5 preferably not monolithic, rather many separate reports; could be published in a dedicated *SciPost Physics Community Reports* Volume
- ▶ Time scale ~2025, focus on Run 4 of HL-LHC (1000 fb^{-1}) and include Run 3 results as far as available
- ▶ Initial brainstorming for experimental wishlist with ATLAS and CMS Higgs/HDBS convenors in July 2023
- ▶ Identification of needs and tasks should start in the working groups and across groups.
- ▶ Nothing is set in stone, community feedback is welcome ([link to feedback form](#))



21st workshop in 2024

- ▷ Could take place outside CERN, as several other workshops in the past (Freiburg, Bari, BNL, IJCLab)
- ▷ **Calling for volunteers to propose a hosting site:** please contact the Steering Committee in case you would like to host the meeting next year!



Joint drinks with EFT friends

Joint drinks with EFT friends at 6:30!

Thanks for coming, have a safe trip back and see you around!