

WG1-PREC “Precision in theory and experiment”

MiniWorkshop: High-Precision Measurements

Tuesday 8 March 2022

Introduction

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ECFA Higgs Factory Working Group WG1 on Physics Potential

ECFA Higgs/EW/Top Factory Workshop

Kick-off meeting in June 2021: <https://indico.cern.ch/event/1033941/contributions/4342858/>

Aim: ...bring together the efforts of various e+e- projects, to share challenges and expertise, to explore synergies and to respond coherently to this high-priority strategy item.

- foster collaboration across projects
- between experimentalists and theorists
- facilitate entry for “newcomers”

Timeframe: May 2021 – December 2023

Checkpoints: community-wide plenary ECFA workshops in 2022 and 2023 final “ECFA report”

Between the workshops: organize smaller events

- workshops
- seminars

ECFA Higgs Factory Study - WG1 Physics Potential

Subgroup WG1-PREC “Precision in theory and experiment”

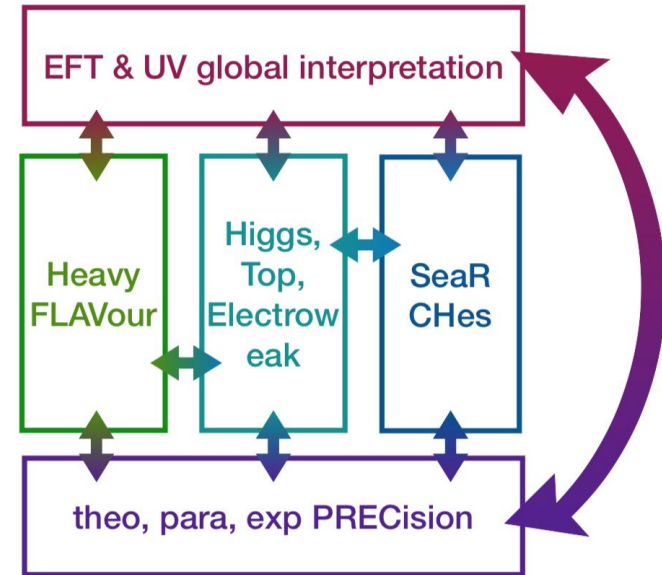
- One of the five subgroups of ECFA-WHF-WG1
- Addressing very high-precision observables

Topics:

- Precision calculations and theoretical, parametric uncertainties
- Experimental syst. Uncertainties

Interplay:

- Other WG1 subgroups, in particular HTE, FLAV, and GLOB
- Interface with WG2 for object performance, generator and simulation for high-precision measurements



This week: two small kick-off MiniWorkshop meetings

Today 3-5:30pm CET:

“Measurements at very high precision at future ee colliders”

<https://indico.cern.ch/event/1129966/>

Thursday 3-5:30pm CET:

“Parametric uncertainties at future ee colliders: α_s ”

<https://indico.cern.ch/event/1131344/>

Links

Email list

For future WG1-PREC events, please subscribe here, and/or forward the link to interested colleagues:

<http://simba3.web.cern.ch/simba3/SelfSubscription.aspx?groupName=ecfa-whf-wg1-prec>

(this link and email list also works for non-cern accounts)

WG1 portal page on indico

<https://indico.cern.ch/event/1044297/page/23971-wg1-group-activities>

WG1 seminars and events

<https://indico.cern.ch/category/14055/>

WG1 twiki page (being formed)

<https://twiki.cern.ch/twiki/bin/view/ECFA/ECFAHiggsFactoryWG1>