

Welcome

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and Marcel Vos**

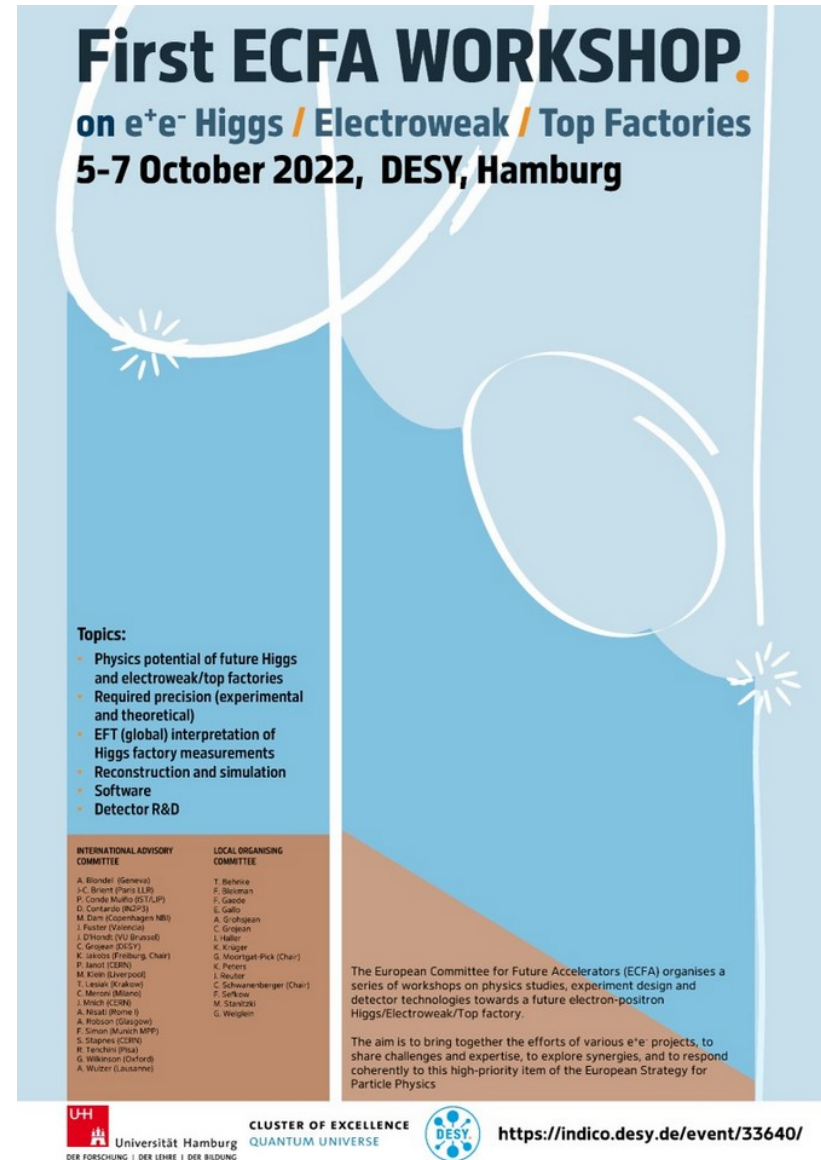
**1st “Global interpretations in (SM)EFT
and UV complete models” WG Meeting**

01.07.2022



- ◆ working groups:
 - WG1:Physics Potential
 - WG2:Physics Analysis Methods
 - WG3:Detector R&D
- ◆ WG1:
 - WG1-GLOB: global EFT/BSM interpretations
 - WG1-SRCH: BSM searches
 - WG1-PREC: needs for precision measurements
 - WG1-HTE: Higgs/top/electroweak measurements
 - WG1-Flav: flavor physics
- ◆ general mailing list: ECFA-WHF-WG1@cern.ch
- ◆ global EFT/BSM interpretation: ECFA-WHF-WG1-GLOB@cern.ch
- ◆ reaching us: ecfa-whf-wg1-eft-conveners@cern.ch
- ◆ all events of WG can be found here: <https://indico.cern.ch/category/14055/>
 - e.g. series of seminars typically happening first Friday in a month

- ◆ 5th – 7th of October: First ECFA Workshop at DESY:
 - intended to be in person
 - combination of overview talks and dedicated working group sessions
 - ◆ abstract submission still possible until July 22nd
 - please register if you like to join
 - ◆ registration fee is 165 EUR until September 15th (200 EUR thereafter)



First ECFA WORKSHOP.

on e⁺e⁻ Higgs / Electroweak / Top Factories
5-7 October 2022, DESY, Hamburg


Topics:

- Physics potential of future Higgs and electroweak/top factories
- Required precision (experimental and theoretical)
- EFT (global) interpretation of Higgs factory measurements
- Reconstruction and simulation
- Software
- Detector R&D


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The European Committee for Future Accelerators (ECFA) organises a series of workshops on physics studies, experiment design and detector technologies towards a future electron-positron Higgs/Electroweak/Top factory.

The aim is to 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 item of the European Strategy for Particle Physics

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 <https://indico.desy.de/event/33640/>

Today's Agenda



WG1-GLOB Meeting: Global interpretations in (SM)EFT and UV complete models

Friday 1 Jul 2022, 13:30 → 17:00 Europe/Zurich

Alexander Josef Grohsjean (Deutsches Elektronen-Synchrotron (DE)), Jorge de Blas (Universidad de Granada (ES)), Junping Tian (The University of Tokyo), Marcel Vos (IFIC Valencia (ES)), Sven Heinemeyer (CSIC (Madrid, ES))

Videoconference

zoom ECFA-WG1.1

Join

- 13:30 → 14:00 Overview on EFT mapping to UV models** 30m
Speakers: Sally Dawson (BNL), Sally Dawson
mapping.pdf
- 14:00 → 14:30 Tools for EFT matching** 30m
Speaker: Javier Fuentes-Martin (Universidad de Granada)
- 14:30 → 14:50 Break** 20m
- 14:50 → 15:10 Hints of new physics and EFT: Flavour** 20m
Speaker: Anders Eller Thomsen
- 15:10 → 15:30 Hints of new physics and EFT: g-2** 20m
Speaker: Richard Ruiz (Institute of Nuclear Physics (IFJ) PAN)
- 15:30 → 15:50 Hints of new physics and EFT: W mass** 20m
Speaker: Maeve Madigan
- 15:50 → 16:10 SMEFT extensions: ALPS** 20m
Speaker: Andrea Thamm (University of Melbourne (AU))

- ◆ soon to announce next meeting
- ◆ devoted to non-explored directions in future collider EFT developments and fits, e.g.
 - cp-odd operators
 - choice of flavor symmetry
 - uncertainties

