

First ECFA WORKSHOP.

Contribution ID: 33

Type: **Parallel session talk**

Triple Higgs couplings of the 2HDM at the ILC and CLIC

Wednesday 5 October 2022 17:02 (15 minutes)

We analyze the parameter space allowed in the Two Higgs Doublet Model (2HDM) with respect to all current experimental and theoretical constraints. We show the allowed ranges for the various triple Higgs couplings, depending on the Yukawa type of the model. We discuss the accessibility of BSM triple Higgs couplings at the ILC and CLIC.

Primary authors: ARCO GARCIA, Francisco (Instituto de Física Teórica (IFT-UAM)); HEINEMEYER, Sven (IFCA (CSIC, Santander)); HERRERO, Maria Jose

Presenter: ARCO GARCIA, Francisco (Instituto de Física Teórica (IFT-UAM))

Session Classification: WG1: joined HTE & SRCH session

Track Classification: WG1-HTE+SRCH - Physics Potential: Higgs, top and EW joint with FIP and direct searches