Contribution ID: **716** Type: **not specified**

Constraining CP-odd contributions in the Higgs-strahlung process at FCC-ee using kinematic observables

Thursday 16 May 2024 15:04 (12 minutes)

Prospects to constrain CP-odd contributions in the Higgs-strahlung process at a future electron-positron collider for the process e+e- => ZH are presented. A realistic study is performed in the framework of the FCC-ee collider at the center-of-mass energy of 240 GeV, with reconstruction of the IDEA detector performed using the DELPHES framework. A matrix-element package, MELA, is implemented that uses event weights to the Standard Model in order to optimally constrain the CP-odd contributions based on kinematic observables.

Mini Symposia (Invited Talks Only)

Plenary (Invited talks only)

Authors: GRITSAN, Andrei (Johns Hopkins University (US)); EYSERMANS, Jan (Massachusetts Institute of Technology); PINTO, Nicholas (Johns Hopkins University (US)); SLOKENBERGS, Valdis (Johns Hopkins University)

Presenter: PINTO, Nicholas (Johns Hopkins University (US))

Session Classification: Minisymposium