Contribution ID: **785** Type: **Parallel**

Impact of polarized beams for Higgs, Electroweak and Dark Matter Physics

Future Electron-Positron Linear Collider Designs (ILC, CLIC, HALHF) offer high-energy, polarized beams and high-precision measurements. In the talk we discuss the impact of polarized beams for the detection of the Higgs couplings, CP-violation effects and Dark Matter candidates with respect to the model distinction in different Beyond the Standard Models (MSSM, 2HDMS, inflation models). The current experimental bounds have been taken into account and involved parameter scans have been performed.

Secondary track

T08 - Higgs Physics

Author: MOORTGAT-PICK, Gudrid (DESY and University of Hamburg)

Co-authors: LI, Cheng (SYSU, Guangzhou); LIKA, Florian (UHH); BECKS, Jasmin (UHH); HEINE, Robin (UHH); HEINEMEYER, Sven (IFCA (CSIC-UC, Santander))

Session Classification: T09

Track Classification: T09 - Beyond the Standard Model