FCC Week 2018



Contribution ID: 272

Type: not specified

Update of Higgs studies with the CLD detector model

Tuesday 10 April 2018 15:30 (20 minutes)

The FCC-ee experiments will collect an unprecedented amount of data at sqrt s = 240 and 360 GeV. The Higgs bosons are produced in very large numbers, either in association with a Z boson or through W-boson fusion, and are detected in several decay channels. The production yields are combined to measure the Higgs couplings and invisible width with sub-percent precision. The precision obtained with the CLD detector and an integrated luminosity of 5 ab-1 in the major decay modes (H->anything, H->bb, H->tautau), is presented for the first time.

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Track Classification: FCC-ee Phy/Exp