



Contribution ID: 132

Type: ORAL

Physics case for an e⁺e⁻ collider at 500 GeV and above

Thursday 10 October 2024 12:40 (14 minutes)

In this talk I will discuss some highlights emphasising the physics case for running an e⁺e⁻ collider at 500 GeV and above. In this context I will focus in particular on the experimental access to the Higgs potential via di-Higgs and (at sufficiently high energy) triple Higgs production. The information obtainable from Higgs pair production at about 500 GeV will be compared with the indirect information that can be obtained from a Higgs factory running at lower energies and with the prospects for the HL-LHC.

Primary author: WEIGLEIN, Georg (DESY)

Presenter: WEIGLEIN, Georg (DESY)

Session Classification: Parallel - WG1-GLOB

Track Classification: WG1: WG1-GLOB - Physics Potential: Global interpretations