



Contribution ID: 85

Type: parallel talk

Searches for The Double Higgs Bosons at The Future Colliders

Tuesday 10 May 2016 15:00 (15 minutes)

The productions of double SM-like Higgs bosons at the future colliders, such as CEPC/ILC and SppC, will play a crucial role in determining the SM-like Higgs self couplings. In this talk, I will present our recent project in searching for the SM-like Higgs boson pairs at the CEPC/ILC. We will compare the search potentials for this process at different C.O.M. energies, namely, at CEPC 400 GeV/500 GeV, and also ILC 500 GeV. Besides, we will briefly comment on the SppC searches for the heavy resonance via the double SM-like Higgs boson final states.

Summary

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Session Classification: Future Colliders