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Learning from Higgs Physics at Future Higgs Factories

Monday, 20 May 2019 15:40 (20 minutes)

Future Higgs factories can reach impressive precision on Higgs property measurements. In this talk, we explore its sensitivity to new physics models at the electron-positron colliders. In particular, we focus on Type-I and Type-II Two Higgs Double Models as illustrative examples. We perform a global fit to various Higgs search channels to obtain the 95 C.L. constraints on the model parameter space. We also compare the sensitivity of various future Higgs factories, namely Circular Electron Positron Collider, Future Circular Collider-ee and International Linear Collider.

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