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The extended Higgs sector: global minimum constraints and measurement at the future electron-positron collider

Friday, 21 December 2018 17:30 (15 minutes)

In this talk, we will discuss the new theoretical constraints, such as the global minimum requirment to the BSM Higgs potential, and the corresponding phenomenology at the LHC searches for the new heavy Higgs boson. With the one-loop BSM correction to the Higgs couplings taken into account, we show that the future electron-positron colliders, such as CEPC, can be complementary to the direct searches for the heavy Higgs bosons, the heavy Higgs boson mass splittings, and the alignment parameters.

Type

Parallel talk

Sessions (parallel only)

Higgs

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