

Phenomenology 2019 Symposium



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Type: parallel talk

Spotting hidden sectors through Higgs binoculars

Tuesday 7 May 2019 17:00 (15 minutes)

We explore signals of two Higgs bosons and missing energy at the LHC. Such a signal is characteristic of models for dark matter or other secluded particles that couple to the standard model through scalar mediators. I discuss our search strategy for these new particles, based on their decay topology into a final state with two b-jet pairs and missing transverse energy. The di-Higgs channel is competitive with other missing energy searches and provides a new opportunity to find hidden particles at the LHC.

Summary

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