

Triple Higgs Boson Production at the LHC and Beyond

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Triple Higgs boson(HHH) production is a new and active area of Higgs physics at the LHC and beyond. While the standard model cross section of the HHH production is very small, it could be significantly enhanced in theories beyond the standard model, both via resonant and non-resonant production. In particular, HHH production offers sensitivity to trilinear Higgs boson coupling, λ_{HHH} , complementary to HH production. In this talk, I'll review recent results and new ideas on how to pursue this channel at the LHC and beyond.

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