

30th International Symposium on Lepton Photon Interactions at High Energies



Contribution ID: 242

Type: **Parallel session talk**

Searches for double Higgs production

Tuesday 11 January 2022 17:38 (16 minutes)

Double Higgs boson production is extremely rare at the LHC. By searching over a wide variety of final states, searches for double Higgs production can provide key insights into the nature of the Higgs self-coupling and the Higgs potential, as well as providing constraints on BSM models that allow for resonant decays of new particles into Higgs bosons. The talk will cover searches for resonant and non-resonant Higgs boson pair production, and constraints on the Higgs boson self-coupling.

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Session Classification: Precision SM Measurements

Track Classification: Standard Model