

# 30th International Symposium on Lepton Photon Interactions at High Energies



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## Searches for double Higgs production

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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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