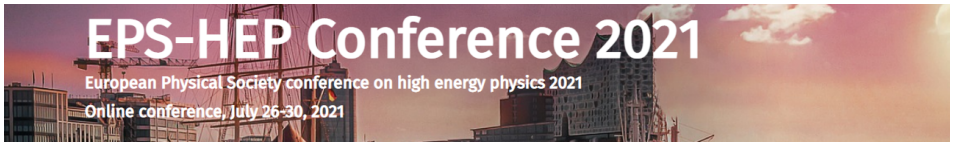

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Measurement of the Higgs boson coupling to tau leptons in proton-proton collisions at $\sqrt{s}$ = 13 TeV with the ATLAS detector at the LHC

The Standard Model decay of the Higgs boson to leptons has been observed in the decay to a pair of tau leptons. A measurement of the coupling of the Higgs boson to a pair of tau leptons is presented. The coupling strength is measured using Higgs boson decays into two tau leptons in multiple Higgs production channels. The sensitivity of the analysis is improved using machine-learning techniques. The analysis uses proton-proton collision data recorded at a center-of-mass energy $\sqrt{s}$ = 13 TeV with the ATLAS detector at the LHC.

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Collaboration / Activity

ATLAS

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