

Abstract Submitted
for the APR20 Meeting of
The American Physical Society

Search for Higgs boson pair production in a $bb\tau\tau$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector ALLISON DEIANA, Southern Methodist University, ATLAS COLLABORATION — Higgs boson pair production occurs at a low rate in the Standard Model, and deviations from this rate could provide hints of new physics. This presentation will describe the latest results in the search for two Higgs bosons decaying to a final state with two tau leptons and two bottom quarks, using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. It will include the latest results in the search for non-resonant SM production, as well as the search for heavy resonances decaying to Higgs boson pairs.

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Date submitted: 01 Jan 2020

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