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Type: **Parallel Sessions**

Measurements and interpretations of Higgs boson production using decays to two b-quarks with the ATLAS detector

Thursday, 21 October 2021 14:30 (10 minutes)

Testing the couplings of the Higgs boson to quarks is important to understand the origin of quark masses. The talk presents Simplified Template Cross Section measurements for Higgs boson production in association with a vector boson using decays to two b quarks using pp collision data collected at 13 TeV, along with an interpretation in an Effective Field Theory framework. A search for vector-boson fusion production in the same Higgs decay channel will also be presented.

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