

# Measurements and searches of Higgs boson decays to two quarks at the ATLAS experiment

*Wednesday, 29 July 2020 20:12 (18 minutes)*

Testing the couplings of the Higgs boson to fermions is an important part to understand the origin of fermion masses. The talk presents cross section measurements in Higgs boson decays to two b quarks, as well as interpretations of the measurements. It also presents a search for Higgs boson decays to two c quarks. Both analyses are based on pp collision data collected at 13 TeV.

## I read the instructions

## Secondary track (number)

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**Session Classification:** Higgs Physics

**Track Classification:** 01. Higgs Physics