The XXVIII International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2021)



Contribution ID: 448 Type: not specified

Higgs boson measurements in its decays into bosons with the ATLAS experiment

Thursday, 26 August 2021 10:10 (20 minutes)

With the full LHC Run 2 pp collision dataset collected at 13 TeV, very detailed measurements of Higgs boson properties can be performed using its decays into bosons. This talk presents measurements of Higgs boson properties using decays into bosons and their combination with fermionic decays, including production mode cross sections and simplified template cross sections, as well as their interpretations.

Primary author: COELHO LOPES DE SA, Rafael (University of Massachusetts (US))

Presenter: COELHO LOPES DE SA, Rafael (University of Massachusetts (US)) **Session Classification:** Electroweak, Top quark, and Higgs Physics

Track Classification: Electroweak, Top quark, and Higgs Physics