

Measurements of Higgs boson coupling properties to vector bosons with the ATLAS detector

Tuesday, November 5, 2024 9:40 AM (20 minutes)

The Higgs boson decay to two vector bosons can be used to perform some of the most precise measurements of the Higgs boson production cross sections. This talk presents the more recent Higgs boson cross section measurements by the ATLAS experiment in the W boson decay channel. Interpretations of these results in the context of Standard Model effective field theories will be presented. The results are based on pp collision data collected at 13 TeV during Run 2 of the LHC.

Primary track

Precision Higgs measurements and calculations

Is the speaker a PhD student or post-doc?

No

Presenter: STRANDBERG, Jonas (KTH Royal Institute of Technology (SE))

Session Classification: Precision Higgs measurements and calculations 1 - sal IV

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