Contribution ID: **35** Type: **not specified**

Measurements of the Higgs boson properties at the ATLAS experiment

Friday, 17 May 2019 13:55 (25 minutes)

After the discovery of the Higgs boson in summer 2012, the understanding of its properties has been a high priority of the ATLAS physics program. Measurements of Higgs boson properties sensitive to its production processes, decay modes, kinematics, mass, and spin/CP properties based on pp collision data recorded at 13 TeV are presented. The analyses of several production processes and decay channels will be described, including recent highlights as the direct observation of the couplings to top and beauty quarks, and an updated combination of all measurements.

Preferred Session

Comments

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Session Classification: LHC