

The XXIX International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY 2022)



Contribution ID: 90

Type: **not specified**

Measurement of Higgs boson fiducial and differential cross sections with the ATLAS detector

Monday, 27 June 2022 18:00 (20 minutes)

With the pp collision dataset collected at 13 TeV, detailed measurements of Higgs boson properties can be performed. The Higgs kinematic properties can be measured with increasing granularity and interpreted to constrain beyond-the-Standard-Model phenomena. This talk presents the measurements of the Higgs boson fiducial and differential cross sections exploiting various Higgs boson decays, as well as their combination and interpretations.

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Session Classification: Higgs theory and experiment