SUSY24: The 31st International Conference on Supersymmetry and Unification of Fundamental Interactions



Contribution ID: 60

Type: Parallel Talk

## Measurements of Higgs boson production and decay rates with the ATLAS experiment

Tuesday 11 June 2024 15:05 (25 minutes)

The event rates and kinematics of Higgs boson production and decay processes at the LHC are sensitive probes of possible new phenomena beyond the Standard Model (BSM). This talk presents precise measurements of Higgs boson production and decay rates, obtained using the full Run 2 and partial Run 3 pp collision dataset collected by the ATLAS experiment at 13 TeV and 13.6 TeV. These include total and fiducial cross-sections for the main Higgs boson processes as well as branching ratios into final states with bosons and fermions. Differential cross-sections in a variety of observables are also reported, as well as a fine-grained description of the Higgs boson production kinematics within the Simplified Template Cross-section (STXS) framework.

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Track Classification: Higgs: theory and experiment