Contribution ID: **50** Type: **Parallel oral presentation**

Higgs boson property measurements at the ATLAS experiment

Thursday 17 November 2022 15:00 (15 minutes)

Very detailed measurements of Higgs boson properties can be performed with the Run 2 13 TeV pp collision dataset collected by the ATLAS experiment. This talk presents a review of the latest measurements of the Higgs boson properties, including its mass, CP, differential cross-sections . Furthermore, couplings combining measurements targeting various production modes and decay channels are reported. Specific results on production mode cross sections, Simplified Template Cross Sections, and their interpretations are presented. These measurements are used to test specific scenarios of physics beyond the Standard Model, as well as its extension in the framework of Effective Field Theories.

Poster fallback option for rejected abstracts for parallel oral presentations

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