



UNIVERSITY OF MIAMI
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Affiliation: Simon Fraser University

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Highlights on Higgs Physics with ATLAS

Abstract

This talk presents recent precision measurements of key properties of the Higgs boson using the full dataset of proton-proton collisions at $\sqrt{s} = 13$ TeV and 13.6 TeV collected during Run 2 and Run 3, respectively, of the LHC by the ATLAS experiment. Highlights on Higgs cross sections, couplings and di-Higgs searches will be discussed. Additionally, extrapolations of recent results towards the High Luminosity LHC upgrade are also discussed.