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Status of the measurements of Higgs boson properties with the ATLAS detector

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Abstract content
 (Max 300 words)
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The observation of a new particle consistent with a Higgs boson by the ATLAS and CMS experiments at the Large Hadron Collider (LHC) is now well established. With the approaching of the Run II data taking the analysis of Run I data is coming to a close. Measurements of Higgs boson properties with the ATLAS detector using Run I data are reviewed. This includes the measurement of the mass, compatibility of couplings and Spin/CP quantum numbers with the Standard Model, and the measurement of differential cross-sections. Long-term prospects of these measurements with the High-Luminosity LHC are also discussed. Prospects for Run II data taking are inferred.

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N/A

Main supervisor (name and email) and his / her institution

N/A

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