

# SM Higgs searches with the ATLAS experiment at the LHC

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The latest results of the Standard Model Higgs boson search with the ATLAS experiment, in pp collisions data collected in 2011 and 2012 are presented. Individual search channels, as well as their combination are detailed. The significance of the observed excess of the Higgs-like resonance are updated and presented. Preliminary results from the measurement of the properties of the Higgs-like particle are presented.

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