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# Higgs physics at ATLAS

*Friday, 6 July 2018 11:00 (30 minutes)*

This abstract is for a plenary talk.

After the discovery of a Higgs boson in summer 2012, understanding the properties of the new particle has been a high priority of the ATLAS physics program. Measurements of Higgs boson properties sensitive to its production processes, decay modes, and spin/CP properties based on pp collision data recorded at 13 TeV are presented. The analyses in several decay channels will be described and the results of the combination of different decay channels will also be shown.

Several theories beyond the Standard Model predict the existence of additional neutral or charged Higgs particles. Results from selected recent searches for these particles will also be discussed.

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