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## Measurement of cross sections and couplings of the Higgs Boson in bosonic decay channels with the ATLAS detector

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The observation of a new particle in the search for the Standard Model Higgs boson by the ATLAS and CMS experiments represents a major breakthrough in our understanding of the mechanism of the electroweak symmetry breaking.

Current measurements of the spin and parity of this new particle, as well as the investigation of its couplings to other SM particles, revealed no significant deviation from the corresponding predictions for the Standard Model Higgs boson.

With the increase of centre-of-mass energy and high integrated luminosity achieved at Large Hadron Collider in 2015-2017, the properties of recently discovered Higgs boson can be studied in further details.

In this presentation latest updates on cross sections and couplings analyses of the Higgs Boson are presented. The discussion will focus on the recent results obtained by the ATLAS collaboration in Higgs di-boson decay channels.

### Summary

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