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Standard Model and Higgs boson studies with the ATLAS detector

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After about two years of operation, the excellent performance of the LHC and the ATLAS detector made possible, a number of important experimental results, including precision test of the Standard Model and the discovery of a new scalar particle compatible with the Higgs boson. The ATLAS experiment has been enthusiastically analyzing the LHC data recorded a centre of mass energy of 8 TeV and 13 TeV. This talk will explore some of these recent results that are pushing our understanding of the Standard Model and might open the door to more intriguing questions.

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