

Phenomenology 2018 Symposium



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Higgs Boson fermionic production and decay modes with the ATLAS detector

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The Higgs couplings to heavy quarks, top and bottom quarks, are difficult to directly access experimentally, nevertheless their measurement is crucial for a full characterization of the Higgs sector and to probe a large variety of physics scenarios beyond the Standard Model. In this talk I will discuss the results recently obtained by the ATLAS Collaboration based on Run-2 2015 and 2016 data, which led to evidence for Higgs boson decays to b-quarks and for the ttH production mode.

Summary

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