

Measurements of the Higgs boson by ATLAS and CMS

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Recent results on Higgs boson production and decays in the ATLAS and CMS experiments at the LHC are reviewed. They are mostly based on the analyses of 13 TeV LHC proton-proton collision data accumulated during 2015–2016 or 2015–2017 year exposures. Production cross sections in five main decay channels are measured. These channels are combined to extract the Higgs boson signal strength, mass and couplings. All experimental results are found to be compatible with the Standard Model predictions. Upper limits on non-standard Higgs boson production in different decay modes are also put.

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