

## Higgs Properties with the CMS detector

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After five years from its discovery, the 125 GeV Higgs boson is a well-established particle that seems to fit beautifully inside the Standard Model of particle physics. In some decay channels predicted by the standard model of particle physics, other predictions by the same model still need confirmation.

Since 2015, the LHC increased energy has been providing more data that is being used to explore the properties of this particle in unprecedented detail.

We will review the existing information on the 125 GeV Higgs boson, covering the recent CMS results on its branching ratios, mass measurements, width, etc.

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