



Contribution ID: 268

Type: **Parallel Talk**

Measurement of properties of Higgs boson decaying to pairs of W and Z bosons at 13 TeV with the CMS experiment

Thursday, July 6, 2017 9:15 AM (15 minutes)

The studies on the properties of Higgs boson in $H \rightarrow ZZ \rightarrow 4l$ ($l = e, \mu$) and $H \rightarrow WW \rightarrow e\nu\mu\nu$ decay channels based on the data collected with the CMS experiment in Run2 are presented. The reported results include studies of the Higgs boson production modes using $H \rightarrow ZZ$ and $H \rightarrow WW$ decay channels, as well as measurements of the Higgs boson mass, signal strength, fiducial differential cross sections for its production in pp collisions, and anomalous HZZ couplings in $H \rightarrow ZZ$ decay channel.

Experimental Collaboration

CMS

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