

The 26th International Workshop on Weak Interactions and Neutrinos
(WIN2017)

Contribution ID: 197

Type: **Working Group Sessions**

CMS Higgs and New Physics

Wednesday, 21 June 2017 12:00 (30 minutes)

This talk presents an overview of the status of the CMS public results in the context of searches for new Physics through the Higgs sector. It will cover recently published charged Higgs searches, dark matter production in association with Higgs boson, SUSY searches having Higgs boson in the final state, and searches for top partners predicted by composite Higgs models. The dataset used for these analyses comes from the LHC Run2 proton collision recorded with the CMS detector. There are no significant excess found compared to Standard Model expectation, therefore a set of limit of cross sections of new physics have been set.

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Session Classification: Working Group: Electroweak Interactions

Track Classification: Electroweak Interactions Working Group