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Higgs Anomalous couplings and CP properties at CMS

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To fully characterize the Higgs boson, it is important to establish whether it presents coupling properties that are not expected in the Standard Model of particle physics. These can probe BSM effects, such as CP conserving or CP violating couplings to particles with masses not directly accessible at the LHC through virtual quantum loops. In this talk we will present the most recent searches from the CMS experiment for anomalous Higgs boson interactions with vector bosons (HVV) or in effective interactions via the gluon-fusion production (ggH). Combination of the results from different channels will be presented, and interpreted as constraints on Wilson coefficients of BSM operators.

Secondary track

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