Contribution ID: **59** Type: **not specified**

Anomalous couplings and CP properties at CMS

Wednesday 6 November 2024 11:30 (20 minutes)

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.

Primary track

Is the speaker a PhD student or post-doc?

No

Presenter: DE RIGGI, Federica (Sapienza Universita e INFN, Roma I (IT))

Session Classification: BSM Higgs physics 4 - sal IX

Track Classification: BSM Higgs physics