

Search for additional Higgs bosons at high mass decaying to WW with the CMS experiment

Thursday 18 July 2024 20:40 (20 minutes)

An integrated luminosity of 138 fb⁻¹ collected by CMS during Run 2, allows to perform search for new particles with unprecedented sensitivity. The search for a scalar particle with higher mass than the Higgs Mass boson is performed investigating resonances that decays into two W bosons. Results are interpreted in a model independent way as well as in various extensions of the standard models, such as the Two Higgs Doublet Model (2HDM) and a specific subset of the Minimal Supersymmetric Standard Model (MSSM). In this poster the latest updates in the H->WW channel will be presented

Alternate track

I read the instructions above

Yes

Author: BARDELLI, Giulio (Universita e INFN, Firenze (IT))

Presenter: BARDELLI, Giulio (Universita e INFN, Firenze (IT))

Session Classification: Poster Session 1

Track Classification: 01. Higgs Physics