

Search for new resonances decaying into two Higgs bosons at CMS

Saturday 20 July 2024 11:19 (17 minutes)

Beyond the standard model theories with extended Higgs sectors (e.g. SUSY) or extra spatial dimensions predict resonances with large branching fractions in a pair of Higgs bosons with negligible branching fractions to light fermions. We present an overview of searches for new physics containing Higgs boson pairs in the final state, using proton-proton collision data collected with the CMS detector at the CERN LHC.

Alternate track

I read the instructions above

Yes

Primary authors: CMS; ASAWATANGTRAKULDEE, Chayanit (Chulalongkorn University (TH))

Presenter: ASAWATANGTRAKULDEE, Chayanit (Chulalongkorn University (TH))

Session Classification: Beyond the Standard Model

Track Classification: 03. Beyond the Standard Model