

## **CMS Double Higgs Searches**

*Wednesday, 21 June 2017 14:30 (30 minutes)*

A summary of searches for pairs of standard model Higgs bosons with the CMS detector at a center of mass energy of 13 TeV. These searches cover both resonant and non-resonant production over a wide variety of final states and employ new techniques that improve them over previous searches done at lower center of mass energies. The non-resonant results set limits on the Standard Model production cross section and the resonant results are interpreted as upper limits on the production cross section of narrow bulk gravitons and scalar radions in warped extradimensional models.

**Primary author:** KROHN, Michael (University of Colorado Boulder)

**Presenter:** KROHN, Michael (University of Colorado Boulder)

**Session Classification:** Working Group: Electroweak Interactions

**Track Classification:** Electroweak Interactions Working Group