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Searches for resonant and non-resonant HH/YH production in final states with tau leptons and W bosons at CMS

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We present the latest results from the CMS Collaboration on searches for new resonances that decay into two scalar bosons as well as for non-resonant production of two 125 GeV Higgs bosons. The presented searches consider decays of at least one of the scalars into a W boson or tau lepton, leading to final states like $b\bar{b}\tau\tau$ and $b\bar{b}W$, amongst others.

Files

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