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Search with the CMS detector for the SM Higgs boson decaying to a pair of hadronically decaying tau leptons, produced in association with a W boson

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A search for the associated production of a W boson and the standard model Higgs boson, which decays into a pair of hadronically decaying tau leptons, is presented using data collected in 2011 and 2012 by the CMS experiment. The analysis uses 5 fb^{-1} and 19 fb^{-1} collision data collected at the center-of-mass energies of 7 TeV and 8 TeV, respectively. The analysis motivation, procedure and results are described, and placed in context with the overall Higgs to tau tau searches at CMS.

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