

Search for Higgs Decaying to WW at CMS

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A search for a standard model Higgs boson decaying into a WW pair is presented, using CMS proton-proton collision data both at 7 TeV and 8 TeV centre-of-mass energy. Both fully-leptonic and semileptonic W decay final states are considered. The combination of these two decay modes is sensitive to the existence of the SM Higgs in the mass range [120, 600] GeV/c².

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