

Search for electron tau Lepton Flavour Violating Higgs Decay with CMS

The direct search for the Higgs boson Lepton Flavour Violating decay $H \rightarrow e \tau_\mu$ in the 19.7/fb proton-proton collisions data collected with the CMS detector at 8 TeV centre-of-mass energy is presented. The observed (expected) limit on the Higgs boson branching fraction is discussed and compared with the $H \rightarrow \mu \tau_e$ and $H \rightarrow e \mu$ Lepton Flavour Violating decay modes.

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