

A search for the Higgs boson in $H \rightarrow WW \rightarrow 2l2\nu$ mode with the CMS detector

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We present results from a search for the SM Higgs Boson in the channel $H \rightarrow WW \rightarrow 2l 2\nu$ with the CMS detector using data accumulated in the 2010 & 2011 running of the LHC at $\sqrt{s} = 7$ TeV. A Higgs signal in the Vector Boson Fusion channel, by exploiting the distinctive signature of the events, where the Higgs decay is accompanied by two high rapidity jets, is also presented.

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