

Latest results on the search for the $D^0 \rightarrow \mu\mu$ and $B_s(B_d) \rightarrow \mu\mu$ decays from CMS

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One promising way to search for physics beyond the Standard Model is to look at decay modes that are extremely rare or forbidden, such as the decays of neutral charm and bottom quarks into opposite charge muon pairs. New Physics models can enhance the Standard Model predicted BR by several order of magnitudes. We will report the latest results of the search for $D^0 \rightarrow \mu\mu$ and $B_s(B_d) \rightarrow \mu\mu$ using the data collected in 2011 and 2012 by the CMS detector at LHC.

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