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## Search for $\tau \rightarrow 3\mu$ decays at CMS

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The results of a search for charged lepton flavor violating decays  $\tau \rightarrow 3\mu$ , using pp collisions at  $\sqrt{s}=13$  TeV at LHC, are presented. This analysis uses the data collected by CMS in 2016, corresponding to a luminosity of  $33 \text{ fb}^{-1}$ , and exploits tau leptons produced in W boson, D and B mesons decays.

### Collaboration name

CMS

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