

Search for new physics in dilepton final states with CMS run2 data

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Search for high mass BSM are performed in dilepton final states using the proton-proton collision dataset at a center-of-mass energy of 13 TeV collected by CMS in 2016, 2017, and 2018, corresponding to integrated luminosities up to $\sim 140/\text{fb}$. The observations are consistent with the expectations of the standard model in all searched channels. Upper limits on the cross sections are calculated and lower mass limits are set for various BSM models including Z' , QBH, and RPV.

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