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Search for new physics with same-sign isolated dilepton events in CMS

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An inclusive search for the presence of new physics in events with two isolated same sign leptons, using the first 4.7 fb^{-1} of certified CMS data taken in 2011 is presented. The topology is sensitive to many models beyond the standard model like supersymmetric models, extra dimensions, heavy majorana neutrinos and double charged higgs. No excess of data with respect the Standard Model predictions is seen and the results are interpreted as limits on the parameters describing the BSM models.

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