

Search for SUSY in events with same-flavor opposite-charge dileptons, jets, and missing transverse momentum at CMS

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The current status of a search for supersymmetry (SUSY) in events with same-flavor opposite-sign lepton pairs is presented. The analysis utilizes data recorded by the CMS detector from 2016 to 2018. As the considered signals include strong production of SUSY particles, jets are also required, along with large missing transverse momentum, which arises from undetected LSPs. An important feature of the analysis is the use of a likelihood variable which is used to discriminate between top-pair production and SUSY events.

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