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Searches for Supersymmetry in Final States with Leptons with the CMS detector at the LHC

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We present the results of searches for Supersymmetry in various topologies that lead to one or more isolated leptons, jets, and missing transverse energy in the final state. The searches are performed using data collected by the CMS experiment at the LHC in pp-collisions at a center-of-mass energy of 7 TeV. Various data-driven techniques used to measure the Standard Model backgrounds are discussed. The results are interpreted in a range of Supersymmetric scenarios.

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