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Search for new physics in events with multileptons and jets in 35.9 fb⁻¹ of pp collision data at 13 TeV with the CMS experiment

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A search for new physics is carried out in events with ≥ 3 electrons or muons and jets. Results are based on a sample of proton-proton collision data produced by the LHC at a center-of-mass energy of 13 TeV and collected by the CMS experiment in 2016. Events are classified according to the number of b-tagged jets, missing transverse momentum, hadronic transverse energy, and the invariant mass of opposite-charge, same-flavor dilepton pairs. The results are interpreted using simplified models of supersymmetry. No significant excess above the standard model background expectation is observed.

Summary

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