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## Searches for supersymmetry in single or opposite-charged dilepton final states with CMS

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In supersymmetry, most solutions to the hierarchy problem feature relatively light gluinos. For the first time in history we can probe these gluino masses up to 2 TeV. This talk will motivate searches for gluinos and present search results and techniques, that focus on supersymmetric models where the gluinos are believed to be relatively light and that have either one lepton or two oppositely charged leptons in their final state. The searches are performed on data corresponding to an integrated luminosity of 36 fb<sup>-1</sup> and a center of mass energy of 13 TeV, recorded with the CMS detector at the CERN LHC in 2016.

### Summary

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