

## Searches for charged Higgs bosons at CMS

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An overview of the latest results on the charged Higgs boson searches by the CMS collaboration is presented. Different production mechanisms, as well as multiple final states (e.g.  $\tau\nu$ ,  $t\bar{b}$  and  $c\bar{b}$ ) are covered, as different BSM models predict different dominant production and decay modes. Most of the results presented are based on the dataset of proton-proton collisions at center of mass energy 13TeV, collected with the CMS detector in 2016, corresponding to an integrated luminosity of  $36\text{ fb}^{-1}$ .

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