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Search for Lepton Flavour Violation in the Top Quark Interactions with CMS

The searches for Lepton Flavour Violation (LFV) in the top quark sector at sqrt(s) =13 TeV is presented. The analysis is performed using the data collected by CMS Experiment from 2016 to 2018 corresponding to the 139 fb^(-1) of integrated luminosity. The analyses exploit the use of machine learning techniques to distinguish signal and background. Upper limits on the LFV signals in the up and charm final states are set considering various rank of relevant Effective Field Theory operators.

Collaboration / Activity

CMS Collaboration

Presenter: PARK, Jiwon (DESY)

Session Classification: Poster session

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