

Search for heavy charged gauge bosons with high pT lepton in pp collisions at CMS

Tuesday, 13 June 2023 17:10 (20 minutes)

Many Beyond the Standard Models (BSMs), e.g., extended standard model, extra dimensions, supersymmetric model, compositeness, extended Higgs sectors, are expected to manifest new heavy charged gauge bosons at TeV scale in the final states with one lepton and a neutrino (missing transverse momentum, MET). This talk presents searches in pp collisions at CMS for new phenomena in the final states containing a high-pT lepton (electron, muon, and tau) and MET, focusing on the recent results obtained using the full Run-2 (2016-2018) dataset collected at the LHC.

Secondary category for the parallel session (optional)

Collider Physics

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Session Classification: Parallel: Collider Physics

Track Classification: Parallel Sessions: Collider Physics