Events/bin

CMS

\( \mu \tau_h \)

- Observed
- \( Z \rightarrow \tau \tau \)
- \( Z \rightarrow ee/\mu \mu \)
- \( \bar{t}t, t+\text{jets} \)
- Diboson
- \( W+\text{Jets, QCD} \)
- Bkg.unc

35.9 fb\(^{-1}\) (13 TeV)

Observations for \( \tau \rightarrow Z \mu \mu \), \( \tau \rightarrow Z \mu \tau \), and Diboson are shown. The CMS collaboration presents data collected at the LHC with a total integrated luminosity of 35.9 fb\(^{-1}\) at a center-of-mass energy of 13 TeV. The plot displays the distribution of events in bins of \( M_{\text{col}} \) (mass of the system of charged leptons and jets). The data points are compared to theoretical predictions for various background processes.