CMS Preliminary

\[ \int L_{dt} = 19.7 \text{ fb}^{-1}, \ \sqrt{s} = 8 \text{ TeV} \]

**Expected T Quark Mass Limit (GeV)**

- **T(bW)**
- **T(tZ)**
- **T(tH)**

The graph shows the expected T quark mass limit under the condition of CMS Preliminary with a luminosity of 19.7 fb\(^{-1}\) and a center-of-mass energy of 8 TeV.