

CMS**2.3 fb⁻¹ (13 TeV)**95% CL limit on $\sigma \times \text{BR}$ (pb)**Tt, T \rightarrow Zt/Ht, doublet**— B2G-15-008 Tt \rightarrow Htt \rightarrow bb blvbqq— B2G-16-001 Tt \rightarrow Ztt \rightarrow ll bbqqq..... $\sigma_{\text{NLO}}, c_{tZ}=1.0, \text{BR}(tZ/tH)=0.5$ $\sigma_{\text{NLO}}, c_{tZ}=1.4, \text{BR}(tZ/tH)=0.5$ $\sigma_{\text{NLO}}, c_{tZ}=2.0, \text{BR}(tZ/tH)=0.5$ $\sigma_{\text{NLO}}, c_{tZ}=3.0, \text{BR}(tZ/tH)=0.5$ 10⁻¹

700

800

900

1000

1100

1200

1300

1400

1500

 $m_T(\text{GeV})$

10

1