

CMS**2.3 fb⁻¹ (13 TeV)**95% CL limit on $\sigma \times \text{BR}$ (pb)**B → Hb/Zb analyses - singlet**

— B2G-16-001 Bt → Zbt → llbbqq

— B2G-16-001 Bb → Zbb → llbbqq

— B2G-99-999 Bb → Hbb → bbbbqq

— B2G-99-999 Bb → Zbb → bbbbbbqq

⋯⋯⋯ $\sigma_{\text{NLO}}(\text{Bt}), c_{Wt}^{\text{Wt}}=1.0, \text{BR}(\text{bZ/bH})=0.25$ ⋯⋯⋯ $\sigma_{\text{NLO}}(\text{Bt}), c_{Wt}^{\text{Wt}}=2.0, \text{BR}(\text{bZ/bH})=0.25$ ⋯⋯⋯ $\sigma_{\text{NLO}}(\text{Bt}), c_{Wt}^{\text{Wt}}=5.0, \text{BR}(\text{bZ/bH})=0.25$ 10⁻¹

700

800

900

1000

1100

1200

1300

1400

1500

 $m_{\text{B}}(\text{GeV})$ 