

CMS132 fb⁻¹ (13 TeV) $pp \rightarrow \tilde{g}\tilde{g}, \tilde{g} \rightarrow tbs \quad \lambda''_{323} \text{ RPV}$ 95% CL NNLO_{approx}+NNLL exclusion **Expected** $\pm 1 \sigma_{\text{experiment}}$  **Observed** $\pm 1 \sigma_{\text{theory}}$ $m_{\tilde{g}}$ [GeV]

3500

3000

2500

2000

1500

0

0.5

1

1.5

2

2.5

3

3.5

4

 $\log_{10} (c\tau_0/\text{mm})$

cross section [fb]

1

10⁻¹10⁻²