CMS Preliminary, $\sqrt{s} = 7$ TeV, $L_{int} = 4.7$ fb⁻¹ m(\tilde{b}_1) GeV 900 Same Sign dileptons with btag selection 0.2 $m(\widetilde{\chi}_{1}^{0}) = 50 \text{ GeV} \text{ and } m(\widetilde{\chi}_{1}^{+}) = 150 \text{ GeV}$ 0.18 Exclusion $\sigma^{\text{prod}} = \sigma^{\text{NLO+NLL}}$ 0.16 Exclusion σ^{prod} = $\sigma^{\text{NLO+NLL}} \pm 1 \, \sigma$ 800 0.14 0.12 **700** 0.1 600 80.0 0.06 **500** 0.04 400 0.02 0

700

800

1000

m(g) GeV

900

300

400

500

600