

**CMS** $35.9 \text{ fb}^{-1} (13 \text{ TeV})$  $m_{\tilde{\chi}_1^0}$  (GeV)

2500

2000

1500

1000

500

1400

1500

1600

1700

1800

1900

2000

 $pp \rightarrow \tilde{q} \tilde{q}^*, \tilde{q} \rightarrow q \tilde{\chi}_1^0, \tilde{\chi}_1^0 \rightarrow \gamma \tilde{G}, \text{ NLO+NLL}$  $\equiv$  Observed  $\pm 1 \sigma_{\text{theory}}$  $\cdots$  Expected  $\pm 1 \sigma_{\text{experiment}}$ 

2

1.84

1.68

1.52

1.36

1.2

95% CL upper limit on cross section (fb)

 $m_{\tilde{q}}$  (GeV)