

CMS35.9 fb⁻¹ (13 TeV) $m_{\tilde{\chi}_{1}^{0/\pm}}$ (GeV) $pp \rightarrow \tilde{g}\tilde{g}, \tilde{g} \rightarrow qq\tilde{\chi}_{1}^{0/\pm}, \tilde{\chi}_{1}^{\pm} \rightarrow W^{\pm}/\tilde{G}, \tilde{\chi}_{1}^0 \rightarrow \gamma/\tilde{G}$ 95% CL exclusion limitsObserved $\pm 1 \sigma_{\text{theo.}}$ Expected $\pm 1 \sigma_{\text{exp.}}$ Photon+S_T^γ

Photon+Lepton

Photon+H_T^γ $B(\tilde{g} \rightarrow qq\tilde{\chi}_{1}^{\pm})=0.5$

2000

1000

0

1600

1800

2000

2200

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