

19.1fb⁻¹(8 TeV)

CMS
Preliminary

$\tilde{\chi}_1^0 \rightarrow \gamma \tilde{\mathbf{G}}, \Lambda = 180 \text{ TeV}, m_{\tilde{\chi}_1^0} = 256 \text{ GeV}/c^2$



SPS8 Theory LO Cross-Section



Expected 95% CL Upper Limit



Observed 95% CL Upper Limit



$\pm 1\sigma$ Expected



$\pm 2\sigma$ Expected

Upper Limit of $\sigma \times \text{BR}[\text{pb}]$ @ 95% CL

10⁻¹

10⁻²

10⁻³

10

Neutralino Mean Lifetime[ns]

