

19.1fb⁻¹(8 TeV)

**CMS
Preliminary**

$$c\tau(\tilde{\chi}_1^0) = 11000 \text{ mm}$$



SPS8 Theory LO Cross-Section



Observed 95% CL upper limit



Expected 95% CL upper limit



± 1 σ Expected



± 2 σ Expected

$\sigma(\tilde{\chi}_1^0 \rightarrow \tilde{G}\gamma) \times \text{BR}$ [pb]

1

10⁻¹

10⁻²

10⁻³

10⁻⁴

100

150

200

250

300

Λ [TeV]

150

200

250

300

350

400

Neutralino Mass [GeV/c²]

