

19.1fb⁻¹(8 TeV)

**CMS
Preliminary**

$c\tau(\tilde{\chi}_1^0) = 6000 \text{ mm}$



SPS8 Theory LO Cross-Section



Observed 95% CL upper limit



Expected 95% CL upper limit



$\pm 1 \sigma$ Expected



$\pm 2 \sigma$ Expected

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

1

10^{-1}

10^{-2}

10^{-3}

100

120

140

160

180

$\Lambda [\text{TeV}]$

140

160

180

200

220

240

260

Neutralino Mass [GeV/c^2]

