

137 fb^{-1} (13 TeV)

Cross section [fb]

CMS

$\text{pp} \rightarrow \tilde{\chi}_i^{0,\pm} \tilde{\chi}_j^{0,\mp} \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 + X_{\text{soft}} \rightarrow \text{HH}\tilde{G}\tilde{G} + X_{\text{soft}}$
 $m(\tilde{\chi}_2^0) = m(\tilde{\chi}_1^\pm) = m(\tilde{\chi}_1^0)$, $m(\tilde{G}) = 1 \text{ GeV}$

95% CL upper limit

Observed

Expected

$\pm 2 \sigma_{\text{experiment}}$

$\pm 1 \sigma_{\text{experiment}}$

Theory ($\tilde{\chi}_1^0 \tilde{\chi}_2^0 + \tilde{\chi}_1^0 \tilde{\chi}_1^\pm + \tilde{\chi}_2^0 \tilde{\chi}_1^\pm + \tilde{\chi}_1^\pm \tilde{\chi}_1^\mp$)

Theory ($\tilde{\chi}_1^0 \tilde{\chi}_2^0$)

