

CMS $137 \text{ fb}^{-1} (13 \text{ TeV})$

Cross section (pb)

$$pp \rightarrow \tilde{\chi}_i^{0,\pm} \tilde{\chi}_j^{0,\mp} \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 + X_{\text{soft}} \rightarrow ZZ \tilde{G} \tilde{G} + X_{\text{soft}}$$

$$\text{BR}(\tilde{\chi}_1^0 \rightarrow Z \tilde{G}) = 1, m_{\tilde{\chi}_2^0} \approx m_{\tilde{\chi}_1^\pm} \approx m_{\tilde{\chi}_1^0}, m_{\tilde{G}} = 1 \text{ GeV}$$

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

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

NLO+NLL excl.

Observed

JHEP03(2018)166 obs.

