

CMS137 fb⁻¹ (13 TeV)

Cross section (pb)

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

$$\text{BR}(\tilde{\chi}_1^0 \rightarrow Z \tilde{G}) = 0.5, \text{BR}(\tilde{\chi}_1^0 \rightarrow H \tilde{G}) = 0.5, m_{\tilde{\chi}_2^0} \approx m_{\tilde{\chi}_1^\pm} \approx m_{\tilde{\chi}_1^0}, m_{\tilde{G}} = 1 \text{ GeV}$$

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

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

NLO+NLL excl.

Observed

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