

CMS137 fb⁻¹ (13 TeV)

Cross section (pb)

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

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

Expected $\pm 1 \sigma_{\text{experiment}}$ **Expected $\pm 2 \sigma_{\text{experiment}}$** **NLO+NLL****Observed**