

CMS**77.5 fb⁻¹ (13 TeV)**

$$pp \rightarrow \tilde{\chi}_i^{0,\pm} \tilde{\chi}_j^{0,\pm} \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 + X_{\text{soft}}; \tilde{\chi}_1^0 \rightarrow H \tilde{G} \text{ (50\%)} \\ \tilde{\chi}_1^0 \rightarrow Z \tilde{G} \text{ (50\%)}$$

$$m_{\tilde{\chi}_2^0} \approx m_{\tilde{\chi}_1^\pm} \approx m_{\tilde{\chi}_1^0}; \quad m_{\tilde{G}} = 1 \text{ GeV}$$

SP Analysis $\sigma_{\text{excl}}^{95\%} [\text{pb}]$

- NLO+NNL theory
- Observed limit (95% CL)
- - - Median expected limit
- 68% expected
- 95% expected

Higgsino mass $m_{\tilde{\chi}_1^0}$ [GeV]