

$\tilde{q}\tilde{q}, \tilde{q}\tilde{\bar{q}} \rightarrow q\tilde{\chi}_2^0; \tilde{\chi}_2^0 \rightarrow Z\tilde{\chi}_1^0; m(\tilde{\chi}_1^0)=1\text{ GeV}$

ATLAS

$\sqrt{s}=13\text{ TeV}, 14.7\text{ fb}^{-1}\text{ SRZ}$

Expected limit ($\pm 1\sigma_{\text{exp}}$)

Observed limit ($\pm 1\sigma_{\text{theory}}^{\text{SUSY}}$)

$m(\tilde{q}) < m(\tilde{\chi}_2^0)$

