CMS   19.5 fb^{-1} (1L) + 19.7 fb^{-1} (2L) (8 TeV)

$pp \rightarrow \tilde{t}_1 \bar{\tilde{t}}_1$, $\tilde{t}_1 \rightarrow b\, \tilde{\chi}_1^+$, $\tilde{\chi}_1^+ \rightarrow W^+ \tilde{\chi}_1^0$

— Observed ± 1σ_{theory}

— Expected ± 1$\sigma_{\text{experiment}}$

$m_{\tilde{t}_1} = m_{\tilde{\chi}_1^0} + m_W + m_b$

$m_{\tilde{\chi}_1^\pm} = m_{\tilde{\chi}_1^0} + m_W$

m($\tilde{\chi}_1^0$) (GeV)

m($\tilde{t}_1$) (GeV)

m($\tilde{\chi}_1^\pm$) = 0.50 m($\tilde{t}_1$) + 0.50 m($\tilde{\chi}_1^0$)

95% CL upper limit on cross section (pb)