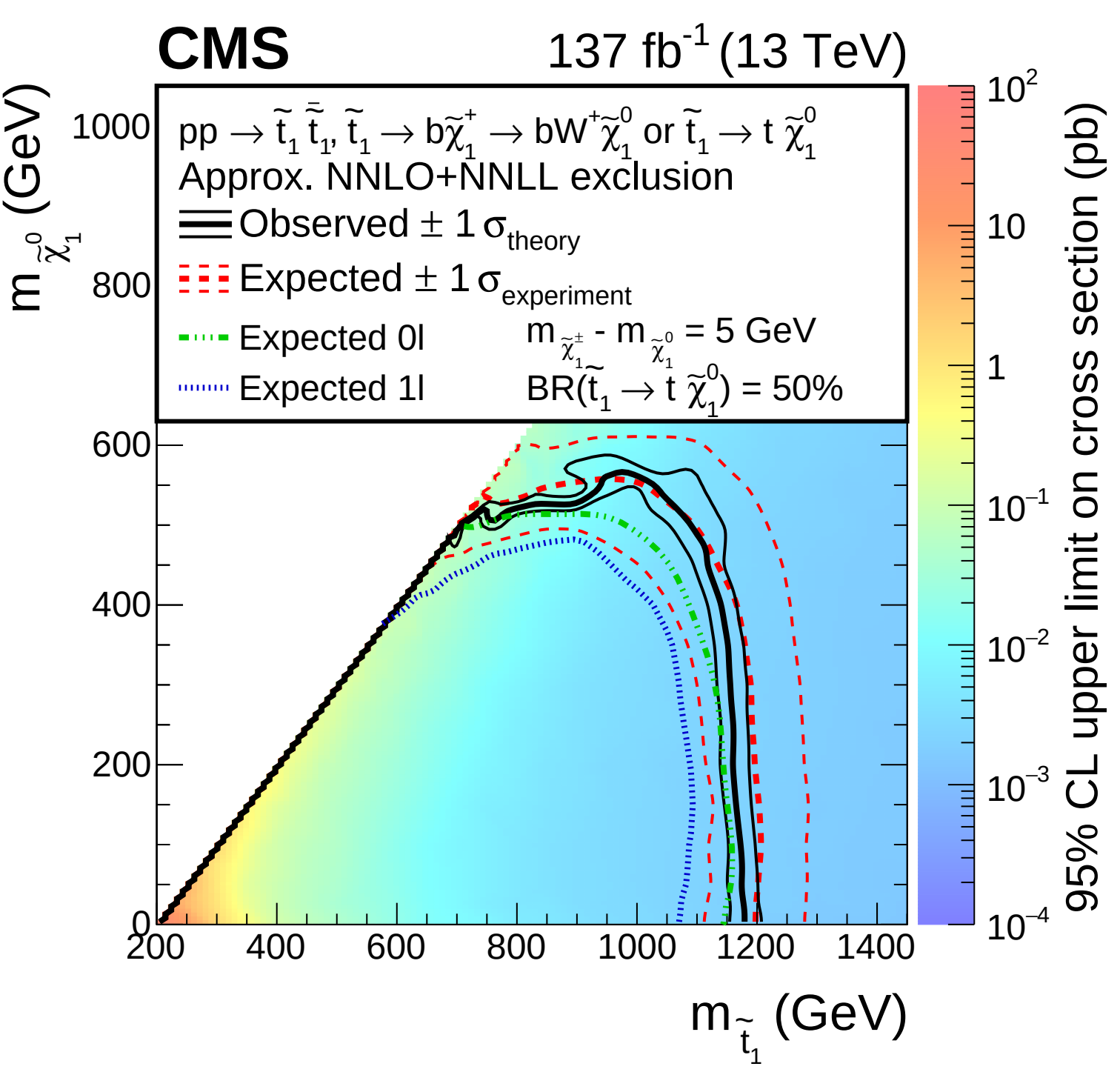
CMS
137 fb^{-1} (13 TeV)
$pp \to \tilde{t}_1 \bar{\tilde{t}}_1, \tilde{t}_1 \to b\tilde{\chi}_1^+ \to bW^+\tilde{\chi}_1^0$ or $\tilde{t}_1 \to t\,\tilde{\chi}_1^0$
Approx. NNLO+NNLL exclusion
Observed $\pm 1\,\sigma_{theory}$
Expected $\pm 1\,\sigma_{experiment}$
Expected 0l
Expected 1l
$m_{\tilde{\chi}_1^\pm} - m_{\tilde{\chi}_1^0} = 5$ GeV
$BR(\tilde{t}_1 \to t\,\tilde{\chi}_1^0) = 50\%$
$m_{\tilde{\chi}_1^0}$ (GeV)
$m_{\tilde{t}_1}$ (GeV)
95% CL upper limit on cross section (pb)
0
200
400
600
800
1000
1200
1400
10^{-4}
10^{-3}
10^{-2}
10^{-1}
1
10
10^{2}