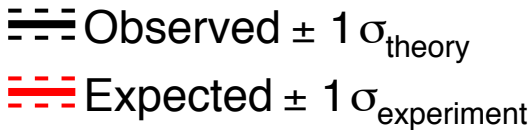




CMS

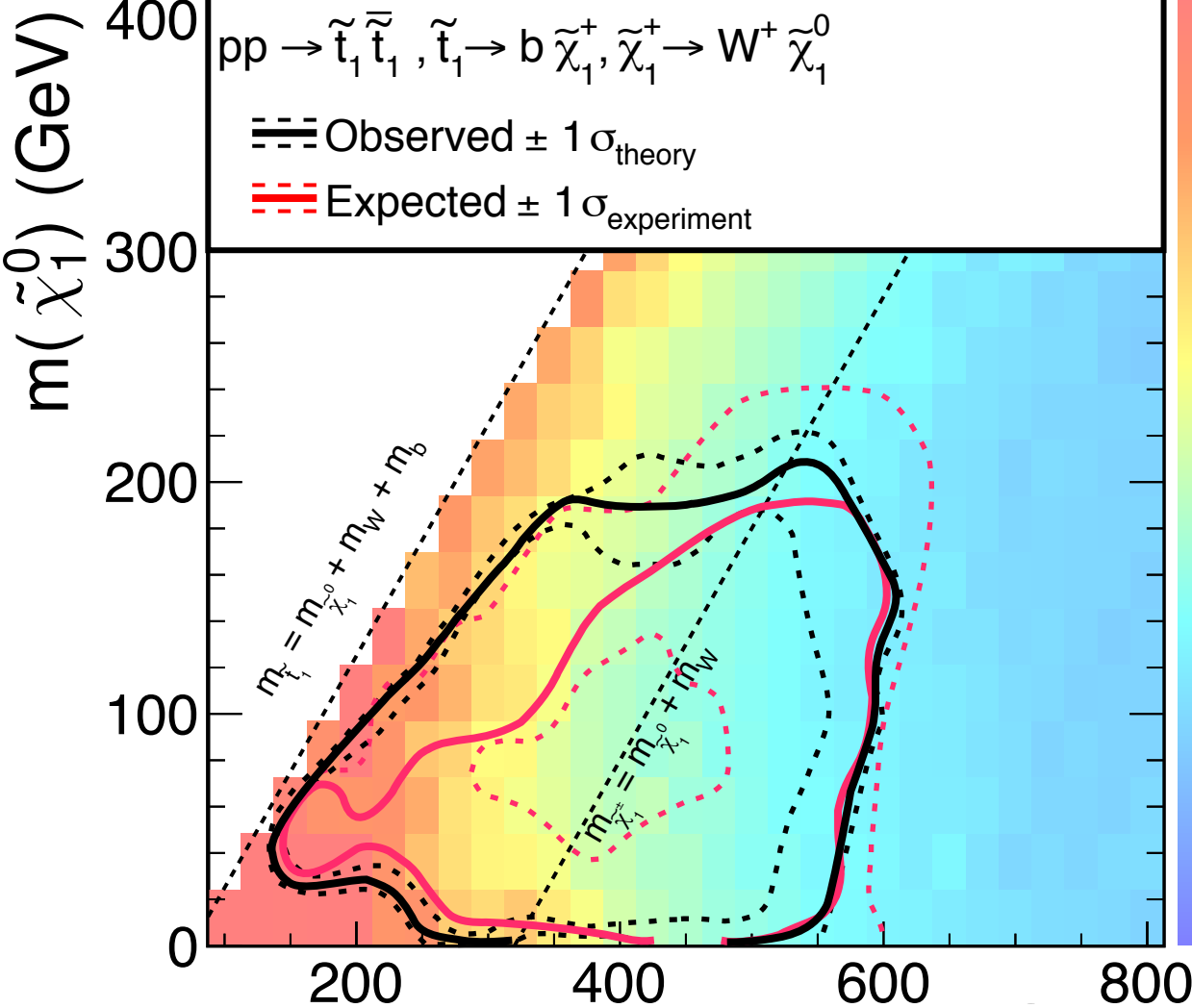
19.5 fb⁻¹ (1L) + 19.7 fb⁻¹ (2L) (8 TeV)

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



 Observed $\pm 1 \sigma_{\text{theory}}$

 Expected $\pm 1 \sigma_{\text{experiment}}$



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

$m(\tilde{\chi}_1^\pm) = 0.25 m(\tilde{t}_1) + 0.75 m(\tilde{\chi}_1^0)$

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

10²
10
1
10⁻¹
10⁻²
10⁻³

95% CL upper limit on cross section (pb)