

CMS

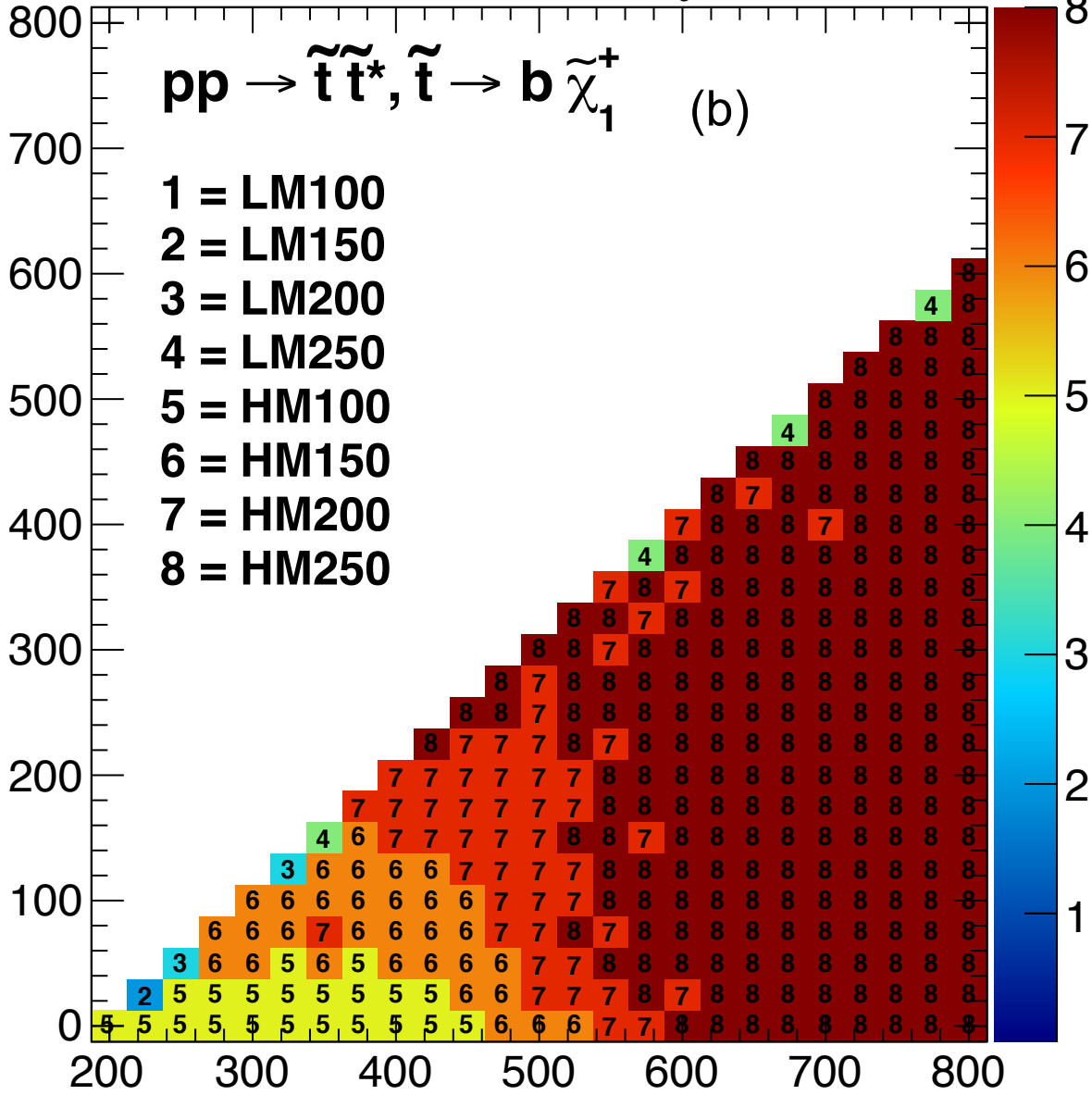
$\sqrt{s} = 8 \text{ TeV}, \int L dt = 19.5 \text{ fb}^{-1}$

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

best signal region

$pp \rightarrow \tilde{t}\tilde{t}^*, \tilde{t} \rightarrow b\tilde{\chi}_1^+$  (b)

- 1 = LM100
- 2 = LM150
- 3 = LM200
- 4 = LM250
- 5 = HM100
- 6 = HM150
- 7 = HM200
- 8 = HM250



$m_{\tilde{\chi}_1^+} = 0.25 m_{\tilde{t}} + 0.75 m_{\tilde{\chi}_1^0}$        $m_{\tilde{t}}$  [GeV]