

CMS

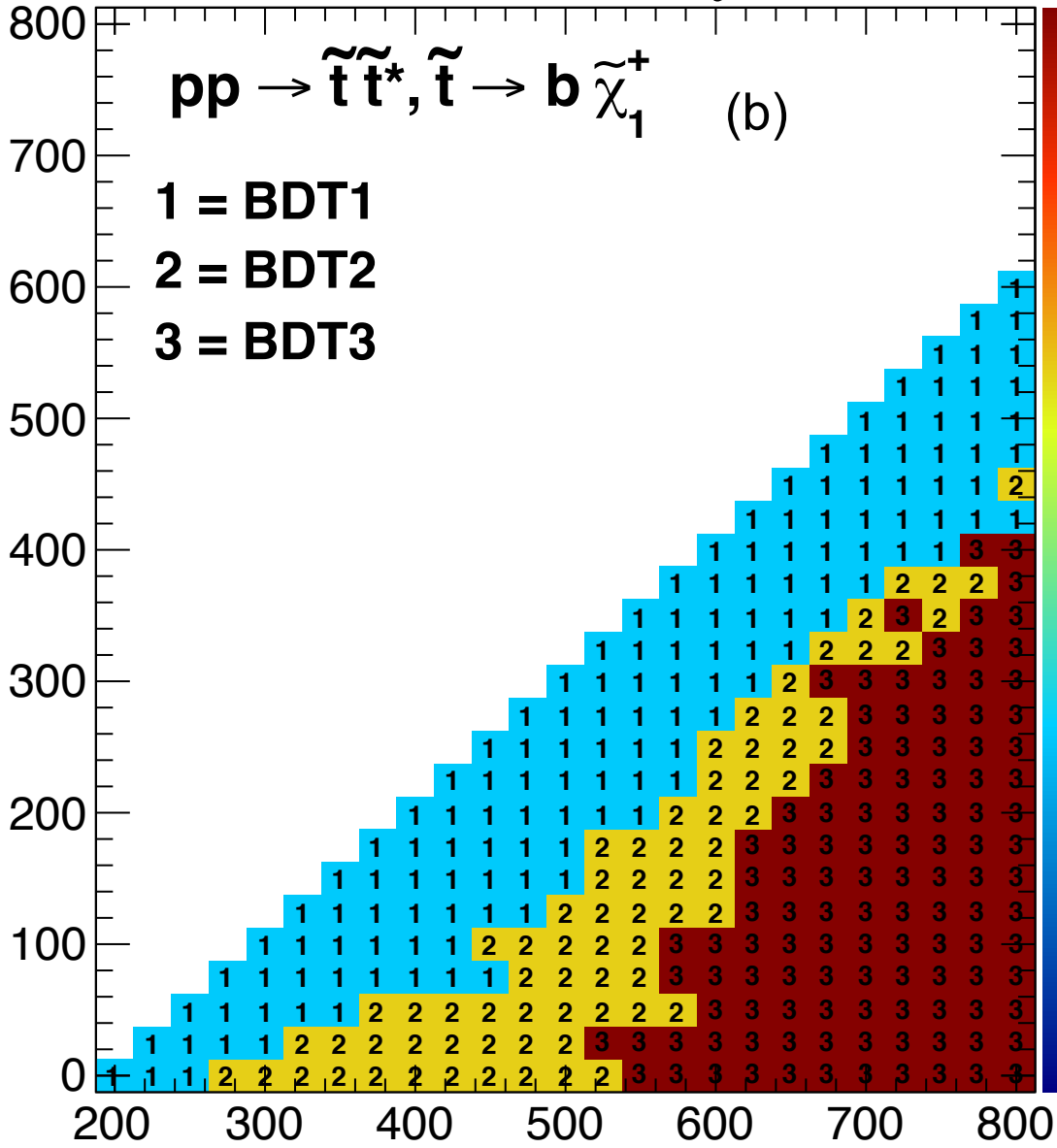
$\sqrt{s} = 8 \text{ TeV}, \int L dt = 19.5 \text{ fb}^{-1}$

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

best signal region

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

1 = BDT1
2 = BDT2
3 = BDT3



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