

CMS

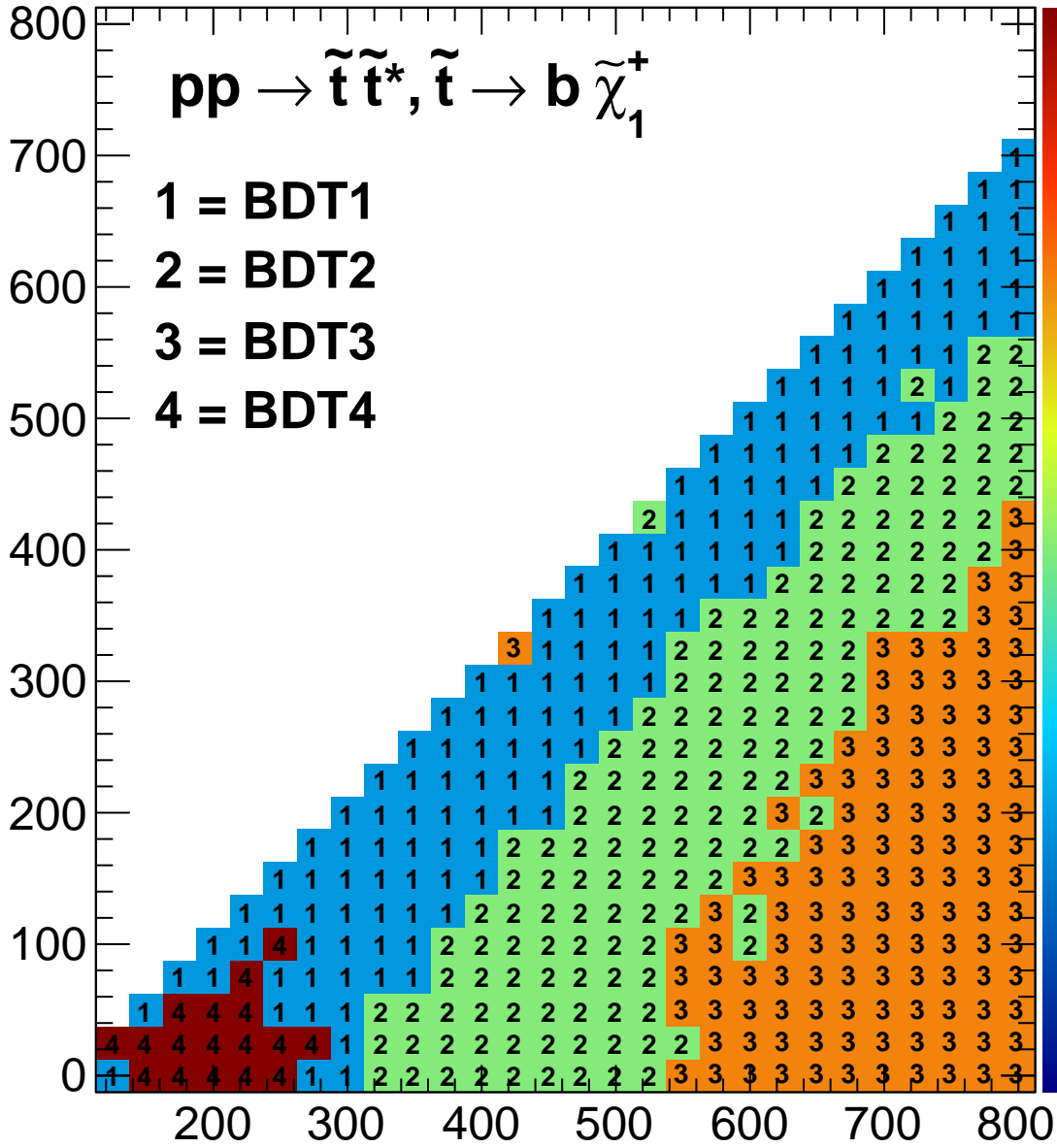
$\sqrt{s} = 8 \text{ TeV}, \int \text{Ldt} = 19.5 \text{ fb}^{-1}$

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

best signal region

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

- 1 = BDT1
- 2 = BDT2
- 3 = BDT3
- 4 = BDT4



$m_{\chi_1^\pm} = 0.75 m_{\tilde{t}} + 0.25 m_{\chi_1^0}$ $m_{\tilde{t}}$ [GeV]