

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [0.5, 1]$ $1/\sigma \# \text{cdot} \# d^2\sigma / d|y^{t,1}| dm^{t\bar{t}} \# [\{\text{TeV}\}^{-1}]$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 370
- Pythia 6.428 ambt1
- Pythia 6.428 z2

(ATLAS_2022_I2077575)

Ratio to ATLAS

