

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y^{t,1}| \in [0,0.2]$ $1/\sigma \# \text{cdot} \# \text{d}^2\sigma / \text{d}l y^{t,1} \text{d}m^{t\bar{t}} \# \{\text{TeV}\}^{-1}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

- ATLAS
- ▲ Pythia 8.315 default
- -▲ Pythia 8.315 default-CD
- -▲ Pythia 8.315 default-DL
- ...▲ Pythia 8.315 default-MBR

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.52
1
0.5 $m^{t\bar{t}} \# \{\text{TeV}\}$ 