

13000 GeV pp

 $t\bar{t}$ Parton-level leading top rapidity, $|y| \in [0.5, 1]$

■ ATLAS

— Pythia 8.315 qcdcr0qq1

 $1/\sigma \cdot \# \text{cdot} \# \frac{d^2\sigma}{d|y|^{t,1} dy^{t,1}}$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

 $|y|^{t,1}$ 