

13000 GeV pp

 $t\bar{t}$ Particle-level leading top rapidity, $|\bar{y}^{t,1}| \in [0.2, 0.5]$

■ ATLAS

□ Pythia 6.428 346

△ Pythia 6.428 347

◇ Pythia 6.428 348

+ Pythia 6.428 349

△ Pythia 6.428 370

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

10

1

 10^{-1}

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.5

1

1.5

 $|\bar{y}^{t,1}|$

2

 $y^{t,1}$