

13000 GeV pp

 $t\bar{t}$ Parton-level leading top rapidity, $|y^{t,\bar{t}}| \in [0, 0.2]$

■ ATLAS

— Pythia 8.315 ropes

 $1/\sigma \cdot \# \text{cdot} \# d^2\sigma / d|y^{t,\bar{t}}| d|y^{t,\bar{t}}|$ 4
3.5
3
2.5
2
1.5
1
0.5
0Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.52
1
0.50 0.5 1 1.5 2
 $|y^{t,\bar{t}}|$ 