

13000 GeV pp

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

■ ATLAS

— Pythia 8.315 ropes

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

 $d^2\sigma / d|y^{t,1}| dy^{t,1} \text{ # [fb]}$

Ratio to ATLAS

 $|y^{t,1}|$ 10^4 10^3 10^2

2

1

0.5

2

1

0.5

0

0.5

1

1.5

2