

13000 GeV pp

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

- ATLAS
- Pythia 6.428 345
- △- Pythia 6.428 370
- △- Pythia 6.428 ambt1
- Pythia 6.428 z2

 $1/\sigma \cdot \frac{d^2\sigma}{dy^{t,\bar{t}} dy^{t,\bar{t}}}$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

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

0

0.5

1

1.5

2