

13000 GeV pp

tt

Particle-level leading top transverse momentum, $|\vec{y}_T^{\text{tt}}| \in [0.5, 1]$

■ ATLAS

— Pythia 8.315 ropes

 $1 / \sigma \# \# \text{cdot} \# \text{d}^2\sigma / \text{d}y^{\text{tt}} \text{d}p_{\text{T}}^{\text{tt},1} \# [\{\text{TeV}\}^{-1}]$ 10
1
 10^{-1}

(ATLAS_2022_I2077575)

Rivet 4.1.0, 100k events
mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.52
1
0.5 $p_{\text{T}}^{\text{tt},1} \# [\{\text{TeV}\}]$

0.5

1

1.5

2