

Particle-level $t\bar{t}$ invariant mass, $|y^{t\bar{t}}| \in [1,2]$

- ATLAS
- - ■ Pythia 6.424 default
- - ▲ Pythia 8.201 default

 $1 / \sigma \cdot \# \cdot \# \cdot \text{cdot} \# \cdot \text{d}^2\sigma / \text{d}y^{t\bar{t}} \text{d}m^{t\bar{t}} \# \cdot \text{[TeV]}^{-1}$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2

1

0.5

 $m^{t\bar{t}} \# \cdot \text{[TeV]}$ 