

13000 GeV pp

 $t\bar{t}$ Particle-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t,1} \in [0.75, 2] \text{ \# \{TeV\}}$

- ATLAS
- - ■ Pythia 6.426 default
- - ▲ Pythia 8.315 default

 $\frac{d^2\sigma}{dp_{\text{T}}^{t,1}} \frac{d\sigma}{dm_{t\bar{t}}} \text{ \# \{fb\} \# \{TeV\}^{-2}}$ 10^2

10

1

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1

2

3

4

 $m_{t\bar{t}} \text{ \# \{TeV\}}$