

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{\text{T}}^{t\bar{t}} \in [0.35, 1] \text{ \# \{TeV\}}$

- ATLAS
- ▲ Pythia 8.201 default
- -▲ Pythia 8.201 default-CD

 $d^2\sigma / dp_{\text{T}}^{t\bar{t}} dm_{t\bar{t}}^2 \text{ \# \{fb\} \# \{TeV\}^2}$ 10^4
 10^3
 10^2
10Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

Ratio to ATLAS

2
1
0.52
1
0.5 $m_{t\bar{t}} \text{ \# \{TeV\}}$

1

2

3

4

