

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $|y| \in [0.2, 0.5]$ $1/\sigma \# \text{cdot} \# d^2\sigma / d|y| dm_{t\bar{t}} \# [\text{TeV}^{-1}]$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2022_I2077575)

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

Ratio to ATLAS

2

1

0.5

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