

13000 GeV pp

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

mcplots.cern.ch [arXiv:1306.3436]

- ATLAS
- Pythia 6.428 359
- △ Pythia 6.428 370
- ▲ Pythia 6.428 a
- ▼ Pythia 6.428 dw
- Pythia 6.428 p0
- ☆ Pythia 6.428 pro-q2o

(ATLAS\_2022\_I2077575)

Ratio to ATLAS

2

1

0.5

 $m^{t\bar{t}} \# \{\text{TeV}\}$ 