

13000 GeV pp

 $t\bar{t}$ Parton-level $t\bar{t}$ invariant mass, $p_{T}^{t\bar{t}} \in [0, 0.1] \text{ # TeV}$

- ATLAS
- Pythia 6.428 350
- -●- - Pythia 6.428 357
- ...●... Pythia 6.428 358
- -■- - Pythia 6.428 359

 $d^2\sigma / dp_{T}^{t\bar{t}} dm_{t\bar{t}}^2 \text{ # fb # TeV}^{-2}$ 10^5 10^4 10^3

(ATLAS_2022_I2077575)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

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

4

3

2

1