

13000 GeV pp

 $t\bar{t}$ Particle-level  $t\bar{t}$  invariant mass,  $|y^{t\bar{t}}| \in [0, 0.2]$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5

 $m^{t\bar{t}} \# [\text{TeV}]$  $d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \# [\text{fb}] \# [\text{TeV}]^{-1}$  $10^4$   
 $10^3$   
 $10^2$   
 $10$ 

Ratio to ATLAS

2  
1  
0.5

ATLAS  
Herwig++ 2.7.1 default  
Herwig++ 2.7.1 UE-EE-5  
Herwig 7.2.1 default

(ATLAS\_2022\_I2077575)

