

13000 GeV pp

 $t\bar{t}$ Boosted $l+jets$

- ATLAS
- - ■ Pythia 6.424 default
- - ▲ Pythia 8.244 default

 $1/\sigma d^2\sigma/dm^{t\bar{t}} d|y^{t\bar{t}}| [1/GeV]$ 10^{-3}
 10^{-4}
 10^{-5} Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1750330)

Ratio to ATLAS

2
1
0.52
1
0.5

1000

2000

3000

 $m^{t\bar{t}} [GeV], |y^{t\bar{t}}| \in [1.3, 2.0]$ 