

13000 GeV pp

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

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

 $1 / \sigma d^2\sigma / dN_{l+jets}^{t\bar{t}} d m_{t\bar{t}} [1/\text{GeV}]$ 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8 10^9 10^{10} 10^{11} 10^{12}

(ATLAS_2019_I1750330)

Ratio to ATLAS

2

1

0.5

0.2

0.1

0.05

0.02

0.01

0.005

0.002

1000

2000

3000

 $m_{t\bar{t}} [GeV], N_{l+jets}^{t\bar{t}} = 0$

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0.2

0.1

0.05

0.02

0.01

0.005

0.002