

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

 $d^2\sigma / dN_{l+jets}^{extra} d m_{t\bar{t}}$ [pb/GeV] 10^{-4} 10^{-3} 10^{-2}

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m_{t\bar{t}}$ [GeV], $N_{l+jets}^{extra} = 1$ 