

13000 GeV pp

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

- ATLAS
- Herwig 7.2.1 default
- △ Pythia 6.428 370
- ▲ Pythia 8.135 default
- ◆ Sherpa 2.2.4 default

 $\frac{d^2\sigma}{dN^{t\bar{t}} dN^{extra\ jet}} \frac{d m^{t\bar{t}}}{d N^{t\bar{t}}} [pb/GeV]$ 10^{-4} 10^{-5}

(ATLAS_2019_I1750330)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m^{t\bar{t}} [GeV], N^{extra\ jet} = 0$