

13000 GeV pp

 $t\bar{t}$ $m(t\bar{t})$ (ATLAS semileptonic $t\bar{t}$)

- ATLAS
- △ Pythia 6.428 370
- -▲ Pythia 6.428 371
- ·▼ Pythia 6.428 372
- ·● Pythia 6.428 376

 $1 / \sigma d^2\sigma / dN^{\text{extra jet}} d m^{\text{t}\bar{\text{t}}}$ [1/GeV] 10^{-3} 10^{-4} 10^{-5}

ATLAS_2019_I1750330

Rivet 3.1.10, ≥ 2 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

1000

2000

3000

 $m^{\text{t}\bar{\text{t}}}$ [GeV], $N^{\text{extra jet}} = 1$