

13000 GeV pp

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

- ATLAS
- ▲ Pythia 8.212 default
- ▲ Pythia 8.212 default-noCR

 $1/\sigma d^2\sigma / dN^{\text{jets}} d m^{\text{t}\bar{\text{t}}}$ [1/GeV] 10^{-3} 10^{-4} 10^{-5} Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1750330

Ratio to ATLAS

2

1

0.5

2

1

0.5

500

1000

1500

2000

 $m^{\text{t}\bar{\text{t}}}$ [GeV], $N^{\text{jets}} \geq 6$