

7000 GeV pp

 $t\bar{t}$ $t\bar{t}$ cross-section vs. jet multiplicity for jets above 40 {GeV} $d\sigma/dn_{\text{jets}}$ [pb]10
1
 10^{-1}
 10^{-2}

- ATLAS
- ▲— Pythia 8.315 default
- - ▼ - - Pythia 8.315 tune-AU2
- · · ◇ · · Pythia 8.315 tune-AU2loxx
- · · □ · · Pythia 8.315 tune-AU2loxx
- ★— Pythia 8.315 tune-AU2m

(ATLAS_2014_I1304688)

Rivet 4.1.0, ≥ 100k events
mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2
1
0.52
1
0.5 $\{n_{\text{jets}}\} (\{jet p_T > 40 \text{ GeV}\})$

2

4