

13000 GeV pp

Z+Jet

Scalar $\Sigma(p_T)$ (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.315 default
- -▼ Pythia 8.315 tune-AU2
- ·◇ Pythia 8.315 tune-AU2lox
- -□ Pythia 8.315 tune-AU2loxx
- ·★ Pythia 8.315 tune-AU2m

 10^{-1} 10^{-2} 10^{-3}

(ATLAS_2019_I1736531)

Ratio to ATLAS

2

1

0.5

Rivet 4.1.0, ≥ 2 M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

2

4