

13000 GeV pp

Z (Drell-Yan)

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-AU2lox
- ·★ Pythia 8.315 tune-AU2m

Rivet 4.1.0, ≥ 2.1M events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2019\_I1736531)

Ratio to ATLAS

2

1

0.5

0

2

4

