

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, trans-diff region

- ATLAS
- ▲ Pythia 8.243 default
- ▼ Pythia 8.243 tune-AU2
- ◇ Pythia 8.243 tune-AU2lox
- Pythia 8.243 tune-AU2loxx
- ★ Pythia 8.243 tune-AU2m

Rivet 4.1.0, ≥ 200k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

 $p_T^{\text{lead}} \{[\text{GeV}]\}$ 