

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{5 \text{ GeV}\}$

- ATLAS
- ▲ Pythia 8.243 default
- ✱ Pythia 8.243 tune-4c
- Pythia 8.243 tune-4cx

Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

 $|\Delta\phi|$ [degrees]