

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_{\text{lead}}^{\text{ad}} > \{1 \text{ GeV}\}$

- ATLAS
- ▲ Pythia 8.165 default
- Pythia 8.165 tune-4cx

Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

 $|\Delta\phi|$ [degrees]