

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{10 \text{ GeV}\}$

- ATLAS
- Pythia 6.428 345
- △- Pythia 6.428 370
- △- Pythia 6.428 ambt1
- Pythia 6.428 z2

Rivet 4.1.0, $\geq 2.5\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

0.5

1

2

0.5

2

 $|\Delta\phi| [\text{degrees}]$ $\# \langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

5

4

3

2

1

0