

13000 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.426 default
- ★— Pythia 6.426 pro-q2o

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] $\# \langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

5

4

3

2

1

0

0.5