

13000 GeV pp

Underlying Event

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

- ATLAS
- + Epos 1.99.crmc.1.5.7 lhc
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.315 default

Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

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

5

4

3

2

1

0

2

1

0.5

0

50

100

150