

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{10 \text{ GeV}\}$ $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

5

4

3

2

1

0

■ ATLAS

—△ Pythia 6.428 370

- -○ Pythia 6.428 atlas-csc

- -* Pythia 6.428 d6t

- -□ Pythia 6.428 default

- -▽ Pythia 6.428 dw

—○ Pythia 6.428 p0

Rivet 4.1.0, $\geq 3.2\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $|\Delta\phi|$ [degrees]