

13000 GeV pp

Underlying Event

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

- ATLAS
- △ Pythia 6.428 370
- -▲ Pythia 6.428 371
- ·▼ Pythia 6.428 372
- ·● Pythia 6.428 376

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

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0

Rivet 4.1.0,  $\geq 3.7\text{M}$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2017\_I1509919)

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

50

100

150

 $|\Delta\phi|$  [degrees]