

13000 GeV pp

Underlying Event

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

- ATLAS
- △ Pythia 6.425 ambt1
- Pythia 6.425 z1
- Pythia 6.425 z2

Rivet 4.1.0, ≥ 200k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2017\_I1509919)

Ratio to ATLAS

2

1

0.5

 $|\Delta\phi| \text{ [degrees]}$ 