

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_{\text{lead}} > \{5 \text{ GeV}\}$

- ATLAS
- ▲ Pythia 8.230 default
- ▼ Pythia 8.230 tune-AU2
- ◇ Pythia 8.230 tune-AU2lox
- Pythia 8.230 tune-AU2loxx
- ★ Pythia 8.230 tune-AU2m

Rivet 4.1.0, $\geq 200\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

 $|\Delta\phi|$ [degrees]