

13000 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.427 350
- △— Pythia 6.427 370
- Pythia 6.427 p0
- - □ - - Pythia 6.427 p2010

Rivet 4.1.0, $\geq 300k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

0.5 1 2

2

0.5 1 2

 $|\Delta\phi|$ [degrees]