

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{1 \text{ GeV}\}$ $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ★ Pythia 6.428 pro-q2o

Rivet 4.1.0, $\geq 3.5\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

50

100

150

 $|\Delta\phi|$ [degrees]