

13000 GeV pp

Underlying Event

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

- ATLAS
- + Epos 1.99.crmc.1.5.7 lhc
- Herwig 7.2.1 default
- △ Pythia 6.427 370
- ▲ Pythia 8.315 default
- ◆ Sherpa 2.2.9 default

Rivet 4.1.0, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

2

 $|\Delta\phi|$ [degrees]