

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 8.315 default
- · ·◆ Sherpa 2.2.9 default

Rivet 4.1.0, $\geq 600k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2017_I1509919)

2

1

0.5

 $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

Ratio to ATLAS

 $|\Delta\phi|$ [degrees]