

7000 GeV pp

Underlying Event

 $\langle p_T \rangle$  density wrt  $\phi$  of leading track ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV,  $p_{T1} > 5$  GeV)

- ATLAS
- Herwig 7.2.0 default
- ▲— Pythia 8.130.p1 default
- ...◆... Sherpa 1.2.3 default

Rivet 3.1.0,  $\geq 5.4$  M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

 $|\phi|$  (w.r.t. leading track) [rad]