

7000 GeV pp

Underlying Event

 $\langle p_T \rangle$  density wrt  $\phi$  of leading track ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV,  $p_{T1} > 1$  GeV)

- ATLAS
- Herwig 7.2.0 default
- ▲--- Pythia 8.301 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

1.2

1

0.8

0.6

0.4

0.2

0

2

1

0.5

2

1

0.5

 $|\phi_{\text{left}} - \phi_{\text{right}}|$  (w.r.t. leading track) [rad]
