

7000 GeV pp

Underlying Event

 $\langle p_T \rangle$ density wrt ϕ of leading track ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 5$ GeV) $\langle d^2 p_T / d\eta d\phi \rangle$

5

4

3

2

1

0

■ ATLAS

--□-- Herwig 7.2.0 default

—▲— Pythia 8.201 default

...◆... Sherpa 1.2.2p default

ATLAS_2010_S8894728

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

1

2

3

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