

900 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 8.150 default
- - ◆ Sherpa 1.4.3 default

Rivet 3.1.0,  $\geq 6M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5  
0.4  
0.3  
0.2  
0.1

2  
1  
0.5

0.5  
0.4  
0.3  
0.2  
0.1

2  
1  
0.5

0 1 2 3

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

