

900 GeV pp

Underlying Event

 $\langle p_T \rangle$  density wrt  $\phi$  of leading track ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV,  $p_{T1} > 2$  GeV) $\langle d^2 p_T / d\eta d\phi \rangle$ 1.2  
1  
0.8  
0.6  
0.4  
0.2  
0  
2  
1  
0.5

- ATLAS
- ▲ Pythia 8.176 default
- ◆ Sherpa 1.3.0 default

ATLAS\_2010\_S8894728

Rivet 3.1.0,  $\geq 6.9$ M events  
mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

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