

7000 GeV pp

Underlying Event

 $\Sigma(p_T)$  vs  $\eta^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_T > 0.1$  GeV)

■ ATLAS  
—▲ Pythia 8.170 default

 $\langle d^2 \text{ sum } p_T / d\eta d\phi \rangle$  [GeV]

2.5  
2  
1.5  
1  
0.5

Rivet 3.1.10, 300k events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2  
1  
0.5

2  
1  
0.5

 $|\eta|$  (leading track)