

7000 GeV pp

Underlying Event

 $p_T$  density vs.  $\Delta\phi$ ,  $p_T^{\text{trk1}} > 1.0$  GeV,  $\sqrt{s} = \{7 \text{ TeV}\}$ 

■ ATLAS  
- - ■ Pythia 6.425 default

 $\# \langle d^2 p_T / d\eta d\phi \rangle$ 

1  
0.8  
0.6  
0.4  
0.2

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

2  
1  
0.5

2  
1  
0.5

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