

900 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$  vs  $p_{\text{T}}^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_{\text{T}} > 0.5$  GeV) $\langle d^2 N_{\text{ch}} / d\eta d\phi \rangle$ 

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

0

2

4

6

8

10

10

10

10

10

10

10

10

10

10

10



ATLAS



Pythia 6.428 355



Pythia 6.428 356



Pythia 6.428 370



Pythia 6.428 379



Pythia 6.428 ambt1



Pythia 6.428 z2

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

Rivet 3.1.10,  $\geq 2.8$ M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $p_{\text{T}}$  (leading track) [GeV]