

900 GeV pp

Soft QCD

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 1, p_T > 2.5$  GeV)

- ATLAS
- ▲ Pythia 8.170 default

 $\langle p_T \rangle$  [GeV]8  
7  
6  
5  
4  
3  
2  
2  
1  
0.5Rivet 3.1.10, 500k events  
mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

ATLAS\_2010\_S8918562

Ratio to ATLAS

 $N_{ch}$ 