

7000 GeV pp

Soft QCD

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 1, p_T > 0.5$  GeV)

- ATLAS
- ▲ Pythia 8.226 default
- -▲ Pythia 8.226 default-CD
- -▲ Pythia 8.226 default-DL
- ⋯▲ Pythia 8.226 default-MBR

Rivet 3.1.0,  $\geq 6.8M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2  
1  
0.52  
1  
0.5

0

50

100

 $N_{ch}$  $\langle p_T \rangle$  [GeV]