

7000 GeV pp

Soft QCD

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

- ATLAS
- ▲ Pythia 8.209 default

 $\langle p_T \rangle$  [GeV]

12

10

8

6

4

2

0

Rivet 3.1.0, 7.5M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

10

20

 $N_{ch}$ 