

900 GeV pp

Soft QCD

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 1$ ,  $p_T > 2.5$  GeV) $\langle p_T \rangle$  [GeV]

- ATLAS
- ▲ Pythia 8.212 default
- ▲ Pythia 8.212 default-noFsr
- ▲ Pythia 8.212 default-noRap

Rivet 3.1.10,  $\geq 300k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

1

0.5

 $N_{ch}$ 

0

2

4

6

8