

7000 GeV pp

Soft QCD

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

- ATLAS
- ▲ Pythia 8.308 default
- ▲ Pythia 8.308 default-noFsr
- ▲ Pythia 8.308 default-noRap

Rivet 3.1.10,  $\geq 2.3$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

0.5

1

2

0.5

1

2

0

10

20

 $N_{ch}$ 