

7000 GeV pp

Soft QCD

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

- ATLAS
- ▲ Pythia 8.180 default
- -▲ Pythia 8.180 default-CD
- ⋯▲ Pythia 8.180 default-MBR

Rivet 3.1.0,  $\geq 7.2$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

