

900 GeV pp

Soft QCD

Average  $p_T$  vs  $N_{ch}$  ( $N_{ch} > 0$ ,  $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV)

- ATLAS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- ▲— Pythia 8.183 default

Rivet 3.1.10,  $\geq 500k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8591806

Ratio to ATLAS

2

1

0.5

 $N_{ch}$ 