

7000 GeV pp

Soft QCD

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

- ATLAS
- - □ Herwig 7.1.4 default
- - ▲ Pythia 8.240 default
- - ◆ Sherpa 1.2.3 default

Rivet 3.1.0, ≥ 7.1 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2.5
2.0
1.5
1.0
0.5

2
1
0.5

0 50 100

N_{ch}

 $\langle p_T \rangle$ [GeV]