

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{ch} > 6, p_T > 0.5 \text{ GeV}$ )

ATLAS

Herwig 7.0.1 default

Pythia 8.301 default

Sherpa 2.2.8 default

 $1/N_{ev} dN_{ch}/d\eta$ 7  
6  
5  
4  
3Rivet 3.1.0,  $\geq 7M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

0.5

0.5

-2 0 2

 $\eta$