

900 GeV pp

Soft QCD

Charged Particle $\eta$  Distribution ( $N_{ch} > 20, p_T > 0.1$  GeV)

ATLAS

Herwig 7.2.0 default

Pythia 8.170 default

Sherpa 1.4.1 default

Rivet 3.1.0,  $\geq 5.5$ M events

mcplots.cern.ch [arXiv:1306.3436]

 $1/N_{ev} dN_{ch}/d\eta$ 

14

12

10

8

6

4

2

-2

0

2

 $\eta$ 

ATLAS\_2010\_S8918562

Ratio to ATLAS

0.5

0.5

 $1/N_{ev} dN_{ch}/d\eta$ 

2

1

0.5