

900 GeV pp

Soft QCD

Charged Particle $\eta$  Distribution( $N_{ch} > 1, p_T > 0.5$  GeV)

ATLAS

Herwig 7.2.0 default

Pythia 8.108.p1 default

Sherpa 2.1.1 default

Rivet 3.1.0,  $\geq 5.5$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

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

4.5

4

3.5

3

2.5

2

1.5

1

0.5

0

Ratio to ATLAS

2

1

2

1

0.5

-2

0

2

 $\eta$