

900 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{ch} > 0$, $|\eta| < 2.5$, $p_T > 0.5$ GeV)

ATLAS

Herwig 7.2.0 default

Sherpa 2.1.1 default

Rivet 3.1.0, $\geq 5.5M$ events

mcplots.cern.ch [arXiv:1306.3436]

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

4

3.5

3

2.5

2

1.5

1

0.5

ATLAS_2010_S8591806

Ratio to ATLAS

2

1

0.5

2

1

0.5

-2

0

2

 η