

900 GeV pp

Soft QCD

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

2.5

2

1.5

1

0.5

2

1

0.5

ATLAS

Herwig 7.2.0 default

Sherpa 2.2.8 default

Rivet 3.1.0,  $\geq 5.5M$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

-2

0

2

 $\eta$