

900 GeV pp

Soft QCD

Charged Particle $\eta$  Distribution ( $N_{ch} > 20, p_T > 0.1 \text{ GeV}$ ) $1/N_{ev} dN_{ch}/d\eta$ 

16

14

12

10

8

6

4

2

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]

ATLAS\_2010\_S8918562

Ratio to ATLAS

0.5

1

2

-2

0

2

 $\eta$