

900 GeV pp

Soft QCD

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

7

6

5

4

3

2

1

■ ATLAS

- - □ Herwig 7.2.1 default

- - ▲ Pythia 8.308 default

- - ◆ Sherpa 2.2.9 default

3

2

1

ATLAS_2010_S8918562

Rivet 3.1.10, $\geq 2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

-2

0

2

 η 