

900 GeV pp

Soft QCD

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

- ATLAS
- Herwig 7.2.1 default
- △-- Pythia 6.428 370
- ▲-- Pythia 8.308 default
- ◆-- Sherpa 2.2.9 default

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

7

6

5

4

3

2

2

2

1

1

0.5

Rivet 3.1.10,  $\geq 1.9\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

1

0.5

 $\eta$ 

ATLAS\_2010\_S8918562

Ratio to ATLAS

