

7000 GeV pp

Soft QCD

Charged Particle η Distribution ($N_{\text{ch}} > 6, p_{\text{T}} > 0.5 \text{ GeV}$)

- ATLAS
- Herwig++ 2.6.1a default
- Herwig 7.2.1 default
- ▲ Pythia 8.308 default

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

7

6

5

4

3

2

2

2

1

0.5

Rivet 3.1.10, $\geq 400\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2

1

0.5

 η 