

900 GeV pp

Soft QCD

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

- ATLAS
- △ Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- ▲ Pythia 8.183 default

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

7

6

5

4

3

2

1

0.5

Rivet 3.1.10, $\geq 500\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2

1

0.5

2

1

0.5

 η 