

900 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 0, |\eta| < 2.5, p_{\text{T}} > 0.5 \text{ GeV}$ ) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 

Ratio to ATLAS

2.5

1.5

1

0.5

2

1

0.5

- ATLAS
- △ Pythia 6.428 370
- - □ - - Pythia 6.428 391
- · - · ■ - · Pythia 6.428 default
- ▲ Pythia 8.186 default

ATLAS\_2010\_S8591806

Rivet 3.1.0,  $\geq 7.5\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $\eta$ 