

900 GeV pp

Soft QCD

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

- ATLAS
- - - ■ Pythia 6.424 default
- - - \* Pythia 6.424 pro-q2o

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

2.5

2

1.5

1

0.5

Rivet 3.1.0,  $\geq 7.1\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8591806

Ratio to ATLAS

2

1

0.5

2

1

0.5

-2

0

2

 $\eta$ 