

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 2, p_{\text{T}} > 0.1 \text{ GeV}$ )

- ATLAS
- △ Pythia 6.428 370
- ▲ Pythia 8.308 default

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

12

10

8

6

4

2

0.5

Rivet 3.1.10,  $\geq 3\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

1

0.5

 $\eta$ 