

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 1, p_{\text{T}} > 0.5 \text{ GeV}$ )

■ ATLAS

—▲ Pythia 8.170 default

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

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

1

0.5

 $\eta$ 