

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 2, p_{\text{T}} > 0.1 \text{ GeV}$ ) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 

Ratio to ATLAS

0.5

2

4

6

8

10

12

- ATLAS
- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 tune-AU2
- ◇ Pythia 8.308 tune-AU2lox
- Pythia 8.308 tune-AU2lox
- ★ Pythia 8.308 tune-AU2m

ATLAS\_2010\_S8918562

Rivet 3.1.10,  $\geq 2.6\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

 $\eta$ 