

7000 GeV pp

Soft QCD

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

- ATLAS
- ▲ Pythia 6.424 a
- -▼ Pythia 6.424 dw
- -○ Pythia 6.424 p0
- -☆ Pythia 6.424 pro-q2o

 $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ Rivet 3.1.10, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8918562

Ratio to ATLAS

2

1

0.5

 η 