

7000 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{\text{ch}} > 6, p_{\text{T}} > 0.5 \text{ GeV}$ ) $1/N_{\text{ev}} dN_{\text{ch}}/d\eta$ 

- ATLAS
- Pythia 6.428 390
- Pythia 6.428 391
- ◇ Pythia 6.428 392
- ★ Pythia 6.428 396
- ★ Pythia 6.428 397
- ▼ Pythia 6.428 398

Rivet 3.1.10,  $\geq 2.5\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

2

1

1

0.5

0.5

 $\eta$