

900 GeV pp

Soft QCD

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

- ATLAS
- △ Pythia 6.428 370
- △ Pythia 6.428 373
- -○- Pythia 6.428 374
- Pythia 6.428 375
- -△- Pythia 6.428 381
- -▽- Pythia 6.428 382

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

5

4

3

2

1

ATLAS\_2010\_S8918562

Rivet 3.1.10,  $\geq 2.2\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $\eta$ 