

900 GeV pp

Soft QCD

Charged Particle  $\eta$  Distribution ( $N_{ch} > 0, |\eta| < 1.0, \text{all } p_T$ ) $dN/d\eta$ 

8

7

6

5

4

3

2

1

0.5

0

-1

-0.5

0

0.5

1

 $\eta$ 

■ ALICE

-○- Pythia 6.428 345

-□- Pythia 6.428 346

-△- Pythia 6.428 370

-■- Pythia 6.428 default

-▲- Pythia 8.301 default

ALICE\_2010\_S8625980

Rivet 3.1.10,  $\geq 500k$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

-1

-0.5

0

0.5

1

 $\eta$ 

Ratio to ALICE

2

1

0.5

0

-1

-0.5

0

0.5

1

 $\eta$