

7000 GeV pp

Soft QCD

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

9

8

7

6

5

4

3

2

1

0.5

- ALICE
- Herwig++ (Def)
- Herwig 7 (Def)
- Pythia 6 (Def)
- ▲ Pythia 8 (Def)
- ◆ Sherpa (Def)

ALICE_2010_S8625980

Herwig 7.1, Herwig 7.2.0, Pythia 6.428, Pythia 8.301, Sherpa 2.2.8

Rivet 3.1.0, $\geq 4.9M$ events

mcplots.cern.ch (arXiv:1306.3436)

2

1

0.5

Ratio to ALICE

 η

-1

-0.5

0

0.5

1