

7000 GeV pp

Soft QCD

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

- ATLAS
- +— Epos 1.99.crmc.1.6.0 lhc
- - □ - - Herwig 7.2.0 default
- △ - Pythia 6.428 370
- ▲ - Pythia 8.301 default
- ◆ - Sherpa 2.1.1 default

Rivet 3.1.0,  $\geq 5.4\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8918562

Ratio to ATLAS

2

2

1

1

0.5

0.5

-2

0

2

 $\eta$ 