

7000 GeV pp

Soft QCD

Rapidity gap size ($p_T > 0.8$, $|\eta| < 4.9$)

- ATLAS
- - □ Herwig 7.2.1 default
- ... ♦ Sherpa 2.2.9 default

 $d\sigma / d\Delta\eta^F$ [mb] 10^2

10

1

Rivet 3.1.10, ≥ 2.5 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2012_I1084540

Ratio to ATLAS

2

2

1

1

0.5

0.5

0

2

4

6

8

 $\Delta\eta^F$ 