

7000 GeV pp

Soft QCD

Rapidity gap size ( $p_T > 0.8$ ,  $|\eta| < 4.9$ ) $d\sigma / d\Delta\eta^F$  [mb]

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.212 default

 $10^2$ 

10

1

ATLAS\_2012\_I1084540

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

2

4

6

8

 $\Delta\eta^F$ 