

7000 GeV pp

Soft QCD

Rapidity gap size ($p_T > 0.6$, $|\eta| < 4.9$)

- ATLAS
- ▲ Pythia 8.180 default
- - □ Pythia 8.180 tune-4cx

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

10

1

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2012_I1084540

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

2

4

6

8

 $\Delta\eta^F$ 