

7000 GeV pp

Soft QCD

Rapidity gap size in η starting from $\eta = \pm 4.9$, $p_T > 600$ MeV

- ATLAS
- ▲ Pythia 8.315 default
- ▲ Pythia 8.315 default-noCR

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

10

1

(ATLAS_2012_I1084540)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

2

1

1

0.5

0.5

 $\Delta\eta^F$

0

2

4

6

8