

7000 GeV pp

Soft QCD

Rapidity gap size in η starting from $\eta = \pm 4.9$, $p_T > 200$ MeV

■ ATLAS

— Pythia 8.308 CP5

 $d\sigma / d\Delta\eta^F$ [mb] 10^3 10^2

10

1

(ATLAS_2012_I1084540)

Ratio to ATLAS

2

1

0.5

0

2

4

6

8

 $\Delta\eta^F$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

1

0.5