

7000 GeV pp

Soft QCD

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

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- △- Pythia 6.428 ambt1
- Pythia 6.428 z1
- Pythia 6.428 z2

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2012\_I1084540)

Ratio to ATLAS

2

1

0.5

 $\Delta\eta^F$ 