

7000 GeV pp

Soft QCD

Rapidity gap size ($p_T > 0.2$, $|\eta| < 4.9$) $d\sigma / d\Delta\eta^F$ [mb] 10^3 10^2

10

1

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.170 default

Rivet 3.1.10, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2012_I1084540

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $\Delta\eta^F$ 