

7000 GeV pp

Soft QCD

Total EF -- diffractive enriched events, $\sqrt{s} = 7$ TeV

- LHCb
- 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, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb_2013_I1208105)

Ratio to LHCb

2

1

0.5

 η Total $1/N_{\text{int}} dE/d\eta$ [GeV] 10^3 10^2

10

1

2

1

0.5

2

3

4