

7000 GeV pp

Soft QCD

 $pT(\phi) (2.44 < y < 4.06)$

10

1

 10^{-1} 10^{-2}

- LHCb
- ▲ Pythia 8.315 default
- Pythia 8.315 tune-A14-CTEQL1
- - - Pythia 8.315 tune-A14-MSTW2008LO
- ⋯ Pythia 8.315 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.315 tune-CUETP8S1

(LHCb_2011_I919315)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

2

2

1

1

0.5

0.5

1000

2000

3000

4000

5000