

7000 GeV pp

Soft QCD

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

10

1

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

- LHCB
- - ■ Pythia 6.428 359
- - △ Pythia 6.428 370
- - ▲ Pythia 6.428 a
- - ▼ Pythia 6.428 dw
- - ○ Pythia 6.428 p0
- - ☆ Pythia 6.428 pro-q2o

(LHCb_2011_I919315)

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

2

2

1

0.5

0.5

1000

2000

3000

4000

5000