

7000 GeV pp

Soft QCD

 $(p+\bar{p})/(\pi^+ + \pi^-)$ ratio at $\sqrt{s}=7$ TeV ($0.8 < p_T < 1.2$ GeV)

■ LHCb
— Pythia 8.315 qcdcr2

 $(p+\bar{p})/(\pi^+ + \pi^-)$

0.5
0.4
0.3
0.2
0.1

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb_2012_I1119400)

Ratio to LHCb

2
1
0.5

2
1
0.5

2.5 3 3.5 4 4.5

 η

2.5 3 3.5 4 4.5