

7000 GeV pp

Soft QCD

 $(\bar{p}+p)/(\pi^+\pi^-)$ vs $|y|$ ($0.8 < p_T < 1.2$ GeV) $(p+\bar{p})/(\pi^+ + \pi^-)$

■ LHCb
—▲ Pythia 8.308 default

Rivet 3.1.10, 100k events

mcplots.cern.ch [arXiv:1306.3436]

LHCb_2012_I1119400

Ratio to LHCb

 η η

2

2

1

1

0.5

0.5

2.5

3

3.5

4

4.5

 η

η	LHCb $(\bar{p}+p)/(\pi^+\pi^-)$	Pythia 8.308 default $(\bar{p}+p)/(\pi^+\pi^-)$	Ratio to LHCb
2.75	0.24	0.125	0.52
3.25	0.18	0.13	0.72
3.75	0.16	0.135	0.84
4.25	0.19	0.14	0.74