

7000 GeV pp

Soft QCD

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

- LHCb
- ▲ Pythia 8.243 default
- -▲ Pythia 8.243 default-CD
- -▲ Pythia 8.243 default-DL
- ...▲ Pythia 8.243 default-MBR

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2012_I1119400)

Ratio to LHCB

2

1

0.5

 η

2.5 3 3.5 4 4.5

0.5
0.4
0.3
0.2
0.1
2
1
0.5