

7000 GeV pp

Soft QCD

 $K^-/K^+$  vs  $|y|(0.8 < p_T < 1.2 \text{ GeV})$ 

- LHCb
- ▲ Pythia 8.170 default
- -▲ Pythia 8.170 default-CD
- ...▲ Pythia 8.170 default-MBR

Rivet 3.1.10, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2012\_I1119400

Ratio to LHCb

2

1

0.5

 $\eta$ 

2.5

3

3.5

4

4.5