

7000 GeV pp

Soft QCD

 $p_T(\phi) \ (2.44 < y < 4.06)$ $d\sigma/dp_T \ [\mu\text{b/MeV}]$ 10
 1
 10^{-1}
 10^{-2}

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

LHCb_2011_I919315

Rivet 3.1.10, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

 2
 1
 0.5 2
 1
 0.5 $p_T^{\text{phi}} \ [\text{MeV}]$

1000

2000

3000

4000

5000