

7000 GeV pp

Soft QCD

 $p_T(\phi) \ (2.44 < y < 4.06)$ $d\sigma/dp_T \ [\mu\text{b/MeV}]$ Rivet 3.1.10, $\geq 400\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

- LHCB
- △— Pythia 6.426 ambt1
- Pythia 6.426 z2

LHCb_2011_I919315

Ratio to LHCb

2

1

0.5

 $p_T^{\text{phi}} \ [\text{MeV}]$ 