

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 6.428 370
- Pythia 6.428 default

LHCB\_2011\_I919315

Rivet 3.1.10,  $\geq 1.5\text{M events}$ 

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCB

2

1

0.5

2

1

0.5

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