

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 6.428 391
- - ■ - - Pythia 6.428 default
- ▲— Pythia 8.308 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  
0.52  
1  
0.5 $p_T^{\text{phi}} \ [\text{MeV}]$