

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 6.428 359
- - △ Pythia 6.428 370
- - ▲ Pythia 6.428 a
- - ▼ Pythia 6.428 dw
- - ○ Pythia 6.428 p0
- - ☆ Pythia 6.428 pro-q2o

LHCB_2011_I919315

Rivet 3.1.10, $\geq 2.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCB

2

2

1

1

0.5

0.5

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