

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, $\geq 2.6\text{M events}$

mcplots.cern.ch [arXiv:1306.3436]

LHCB_2011_I919315

- LHCb
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ◇- Sherpa 2.2.9 default

Ratio to LHCb

2

1

0.5

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