

7000 GeV pp

Soft QCD

Prompt D^0 + c.c. $d\sigma / dp_T$ for rapidity interval $4.0 < y < 4.5$

- LHCb
- △ Pythia 6.425 ambt1
- Pythia 6.425 z2

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2013_I1218996)

Ratio to LHCb

 $d\sigma / dp_T$ [$\mu\text{b}/(\text{GeV})$]

Ratio to LHCb

 p_T [GeV]

0

2

4

6

0.5

1

2

1

1

10

 10^2 10^3

0.5

1

2

1

1

10

 10^2 10^3