

7000 GeV pp

Soft QCD

Prompt D^{ast} (2010)⁺ + c.c. $d\sigma / dp_T$ for rapidity interval $3 < y < 3.5$

- LHCb
- △ Pythia 6.427 370
- - * Pythia 6.427 379
- - △ Pythia 6.427 ambt1
- - ● Pythia 6.427 z2

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb_2013_I1218996)

Ratio to LHCb

0.5

2

2

0.5

 p_T [GeV]

0

2

4

6