

7000 GeV pp

Soft QCD

Prompt D^{ast} (2010)⁺ + c.c. $d\sigma / dp_T$ for rapidity interval $4 < y < 4.5$

- LHCb
- ▲ Pythia 6.423 a
- -▼ Pythia 6.423 dw
- Pythia 6.423 p0
- ...☆ Pythia 6.423 pro-q2o

 $d\sigma / dp_T$ [$\mu\text{b}/(\text{GeV})$]10²

10

1

(LHCb_2013_I1218996)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

2

1

0.5

2

1

0.5

 p_T [GeV]