

7000 GeV pp

Soft QCD

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

- LHCB
- Herwig++ 2.7.1 default
- Herwig 7.1.6 default
- ▲- Pythia 8.315 default
- ◆- Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCB_2013_I1218996)

Ratio to LHCB

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

10²

10

1

2

1

0.5

 p_T [GeV]

0

2

4