

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 7.0.0 default
- ◇- Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 100 k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb_2013_I1218996)

Ratio to LHCb

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