

7000 GeV pp

Soft QCD

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

- LHCb
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.315 default
- ◆- Sherpa 2.2.6 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb\_2013\_I1218996)

Ratio to LHCb

