

7000 GeV pp

Soft QCD

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

- LHCb
- ▲ Pythia 8.240 default
- ◆ Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb\_2013\_I1218996)

Ratio to LHCb

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