

7000 GeV pp

Soft QCD

Prompt  $D^+$  + c.c.  $d\sigma / dp_T$  for rapidity interval  $2.0 < y < 2.5$ 

- LHCb
- ⋈ Epos 1.99.crmc.1.6.0 default
- ⋈ Epos 1.99.crmc.1.6.0 lhc
- ▲ Pythia 8.201 default

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(LHCb\_2013\_I1218996)

Ratio to LHCb

0.5

1

2

0.5

1

2

 $p_T$  [GeV]