

7000 GeV pp

Soft QCD

 $p_T(D^{*+})$ (y-2.0-2.5)

- LHCb
- ▲ Pythia 8.170 default
- -▲ Pythia 8.170 default-CD
- ...▲ Pythia 8.170 default-MBR

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

60

50

40

30

20

10

5

Rivet 3.1.10, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

LHCb_2013_11218996

Ratio to LHCb

2

1

0.5

2

1

0.5

 p_T [GeV/c]

4

6

8