

7000 GeV pp

Soft QCD

 $p_T(Ds^+) (y-3.5-4.0)$ $d\sigma / dp_T [\mu b / (GeV/c)]$

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

 10^2

10

1

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

LHCb_2013_l1218996

Ratio to LHCb

2

1

0.5

2

1

0.5

 $p_T [GeV/c]$

2

4

6