

7000 GeV pp

Soft QCD

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

- LHCb
- △ Pythia 6.428 370
- Pythia 6.428 default
- ▲ Pythia 8.170 default

 $10^2$ 

10

1

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2013\_I1218996

Ratio to LHCb

2

1

0.5

2

1

0.5

 $p_T [GeV/c]$ 