

7000 GeV pp

Soft QCD

 $Dst_{p_T} (y-2.0-2.5)$ $d\sigma / dp_T [\mu\text{b}/(\text{GeV}/c)]$

10

1

- LHCB
- Herwig++ (Def)
- Herwig 7 (Def)
- Pythia 6 (Def)
- ▲ Pythia 8 (Def)
- ◆ Sherpa (Def)

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Herwig 7.1, Herwig 7.2.0, Pythia 6.428, Pythia 8.301, Sherpa 2.2.8

Rivet 3.1.0, $\geq 4.9\text{M}$ events

mcplots.cern.ch (arXiv:1306.3436)

2

2

Ratio to LHCB

0.5

1

1

0.5

4

6

 $p_T [\text{GeV}/c]$

8

