

900 GeV pp

Soft QCD

 $p_T(K^-) (3.0 < y < 3.5)$ $d^2\sigma(pp \rightarrow K_s^0 X) / (dy dp_T)$ [mb/(GeV)]

10

1

 10^{-1}

- LHCB
- ▲ Pythia 8.308 default
- Pythia 8.308 tune-A14-CTEQL1
- - - Pythia 8.308 tune-A14-MSTW2008LO
- ⋯ Pythia 8.308 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.308 tune-CUETP8S1

LHCb_2010_S8758301

Rivet 3.1.10, ≥ 2.2 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

2

1

0.5

2

1

0.5

 p_T [GeV]