

900 GeV pp

Soft QCD

Diff. cross-section for prompt K_S^0 production ($2.5 < y < 4.0$)

■ LHCb

— Pythia 8.307 pptherm

 $d^2\sigma(pp \rightarrow \{K_S^0\} X) / (dy dp_T)$ [mb/(GeV)]

10

1

 10^{-1}

(LHCb_2010_I865584)

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to LHCb

2

1

0.5

2

1

0.5

 p_T [GeV]