

900 GeV pp

Soft QCD

Cross-section for prompt K_S^0 production ($3.0 < y < 3.5$) $\sigma(pp \rightarrow \{K_S^0\} X) [\mu b]$ 10^3 10^2

10

2

0.5



LHCB

Pythia 8.307 ppthermNoScat

(LHCB_2010_I865584)

Ratio to LHCB

0

0.5

1

1.5

 $p_T [\text{GeV}]$

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

2

0.5