

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



LHCB



Pythia 8.313 ropes

(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

 $p_T [\text{GeV}]$

0

0.5

1

1.5