

7000 GeV pp

Soft QCD

Fiducial $\sigma(\phi \rightarrow K^+K^-)$ differential in $|y|$ $d\sigma/dy_\phi$ [μb]

10

1

 10^{-1}

ATLAS

Epos 1.99.crmc.1.6.0 lhc

Herwig 7.2.1 default

Pythia 6.428 370

Sherpa 2.2.9 default

(ATLAS_2014_I1282441)

Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

0.2

0.4

0.6

0.8

 $|y|_\phi$ 