

7000 GeV pp

Soft QCD

Fiducial $\sigma(\phi \rightarrow K^+K^-)$ differential in $p_{T,\phi}$

$d\sigma/dp_{T,\phi}$ [$\mu\text{b}/\text{MeV}$]

■ ATLAS
▲ Pythia 8.315 default
▲ Pythia 8.315 default-noCR

1.5

1.0

0.5

(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

600

800

1000

1200

 $p_{T,\phi}$ [MeV]