

7000 GeV pp

Soft QCD

 $p_T(\pi^0) \ (8.9 < |y| < 9.0, \ p_T < 0.6 \text{ GeV})$ $1/\sigma_{\text{inel}} E \, d^3\sigma/dp^3 \ [\text{GeV}^{-2}]$ 10^{-1}
 10^{-2}
 10^{-3}

■ LHCf
—▲ Pythia 8.308 default

LHCF_2012_I1115479

Rivet 3.1.10, 2.8M events
mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCf

2
1
0.5

0.2

0.4

 $p_T \ [\text{GeV}]$ 2
1
0.5