

7000 GeV pp

Soft QCD

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