

7000 GeV pp

Soft QCD

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

1

 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

2

1

0.5

0.2

0.4

0.6

 $p_T \text{ [GeV]}$ 