

7000 GeV pp

Soft QCD

Charged particle $|\eta|$ at 7 TeV, track $p_T > 40$ MeV, for $N_{ch} \geq 1$ $dN/d\eta$

8

7

6

5

4

3

2

1

0



TOTEM



Pythia 8.315 default



Sherpa 2.2.9 default

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(TOTEM_2012_I1115294)

2

1

0.5

0.5

1

1

1

0.5

0.5

5.5

6

 $|\eta|$ 