

7000 GeV pp

Soft QCD

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

- TOTEM
- ⊕ Epos 1.99.crmc.1.6.0 lhc
- ▼ Herwig 7.2.1 softTune
- ▲ Pythia 8.315 default

 $dN/d\eta$ 8
7
6
5
4
3
2
1Rivet 4.1.0, $\geq 100k$ events
mcplots.cern.ch [arXiv:2401.10621]

(TOTEM_2012_I1115294)

Ratio to TOTEM

2
1
0.52
1
0.5 $|\eta|$ 