

7000 GeV pp

Soft QCD

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

- TOTEM
- Pythia 6.428 350
- .-●-.- Pythia 6.428 357
- ...●... Pythia 6.428 358
- .-■-.- Pythia 6.428 359

 $dN/d\eta$ Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(TOTEM_2012_I1115294)

Ratio to TOTEM

2

1

0.5

 $|\eta|$

5.5

6