200 GeV pp

Soft QCD

Raw charged multiplicity (|η|<0.5 #quad p_T>0.2 [GeV])

$P(N_{ch}^{raw})$

STAR

Pythia 8.301 default

Sherpa 2.2.9 default

(STAR_2008_I793126)

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to STAR

N_{ch}^{raw}