

200 GeV ppbar

Soft QCD

Charged multiplicity(UA5 NSD,  $|\eta| < 0.5$ , all  $p_T$ ) $d\sigma/dn_{ch}$  $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$   
 $10^{-4}$ 

- UA5
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.2.9 default

UA5\_1989\_S1926373

Rivet 3.1.10,  $\geq 500k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to UA5

2  
1  
0.52  
1  
0.5 $n_{ch}$ 