

200 GeV ppbar

Soft QCD

Charged multiplicity(UA5 NSD,  $|\eta| < 0.5$ , all  $p_T$ ) $d\sigma/dn_{ch}$ 

1

 $10^{-1}$  $10^{-2}$  $10^{-3}$  $10^{-4}$ 

UA5



Pythia 6.428 370



Pythia 6.428 391



Pythia 6.428 default



Pythia 8.308 default

UA5\_1989\_S1926373

Rivet 3.1.10,  $\geq 2.7$ M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to UA5

2

1

0.5

2

1

0.5

 $n_{ch}$ 

0

5

10

15