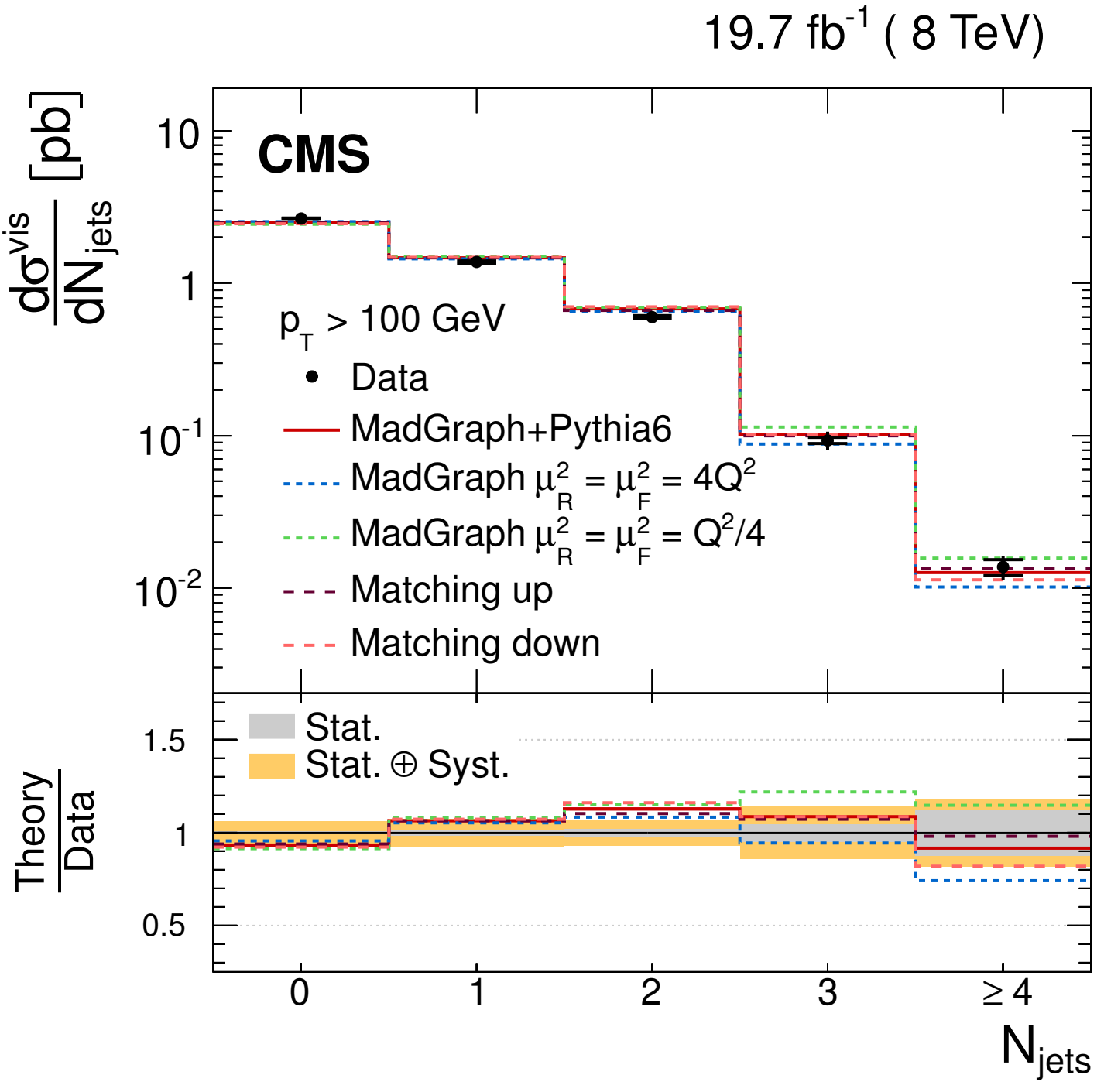
19.7 fb$^{-1}$ ( 8 TeV)
CMS
$p_T$ > 100 GeV
Data
MadGraph+Pythia6
MadGraph $\mu_R^2 = \mu_F^2 = 4Q^2$
MadGraph $\mu_R^2 = \mu_F^2 = Q^2/4$
Matching up
Matching down
Stat.
Stat. ⊕ Syst.
$\frac{d\sigma^{vis}}{dN_{jets}}$ [pb]
$\frac{Theory}{Data}$
$N_{jets}$
10
1
$10^{-1}$
$10^{-2}$
1.5
1
0.5
0
1
2
3
≥ 4