

+42.6 fb<sup>-1</sup> (13 TeV)

**CMS**

*Preliminary*

- $0.000 \leq |\eta| \leq 0.800$
- $0.800 \leq |\eta| \leq 1.444$
- $1.566 \leq |\eta| \leq 2.000$
- $2.000 \leq |\eta| \leq 2.500$

Data efficiency

1.2

1.0

0.8

0.6

0.4

0.2

Data / MC

1.1

1.05

1.0

0.95

0.9

0.85

0.8

0.75

0.7

20

30

40

50

60

70

100

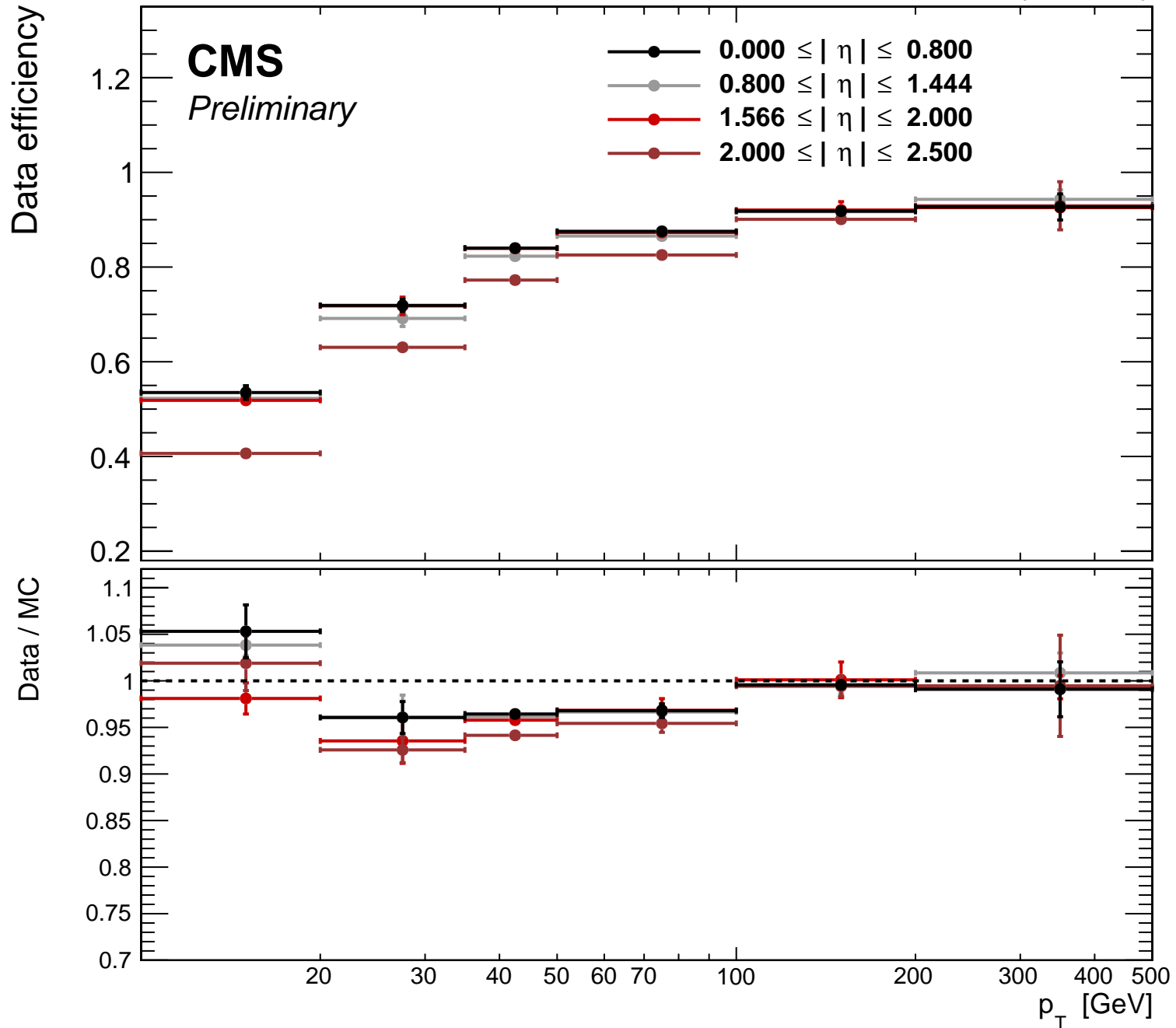
200

300

400

500

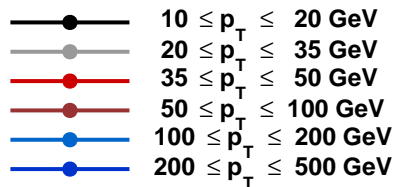
p<sub>T</sub> [GeV]



+42.6 fb<sup>-1</sup> (13 TeV)

Data efficiency

**CMS**  
*Preliminary*

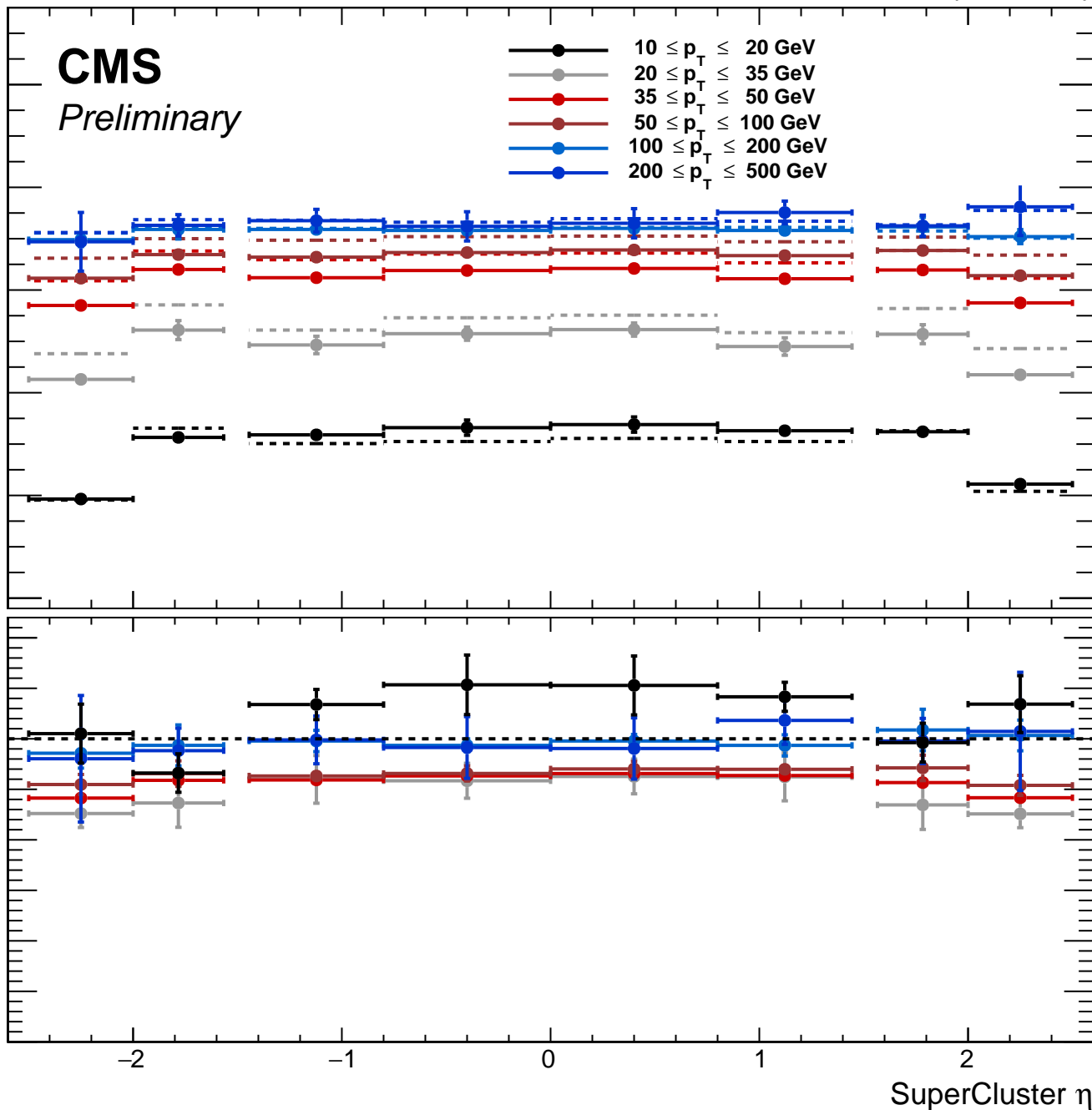


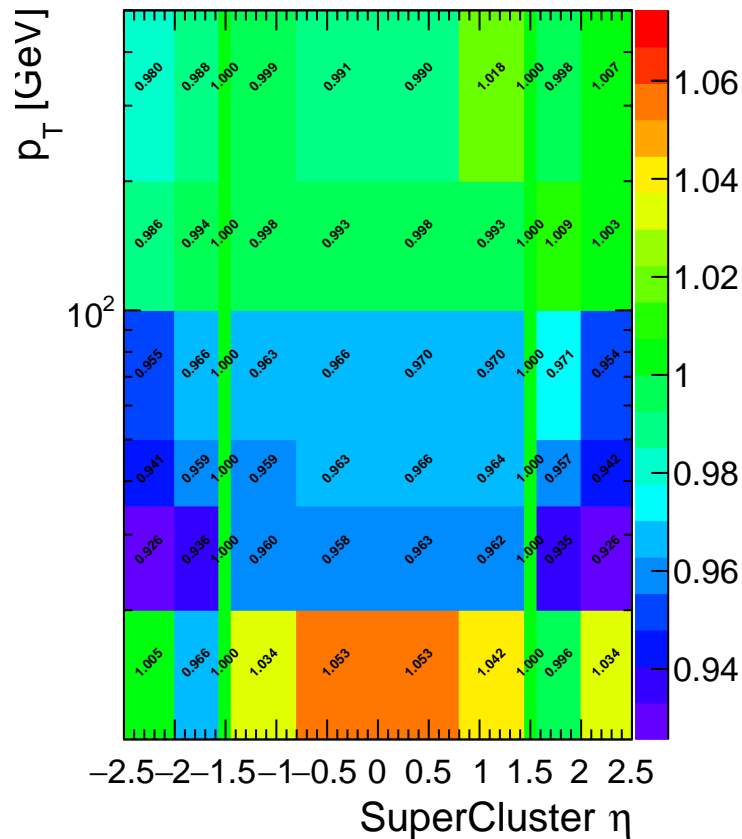
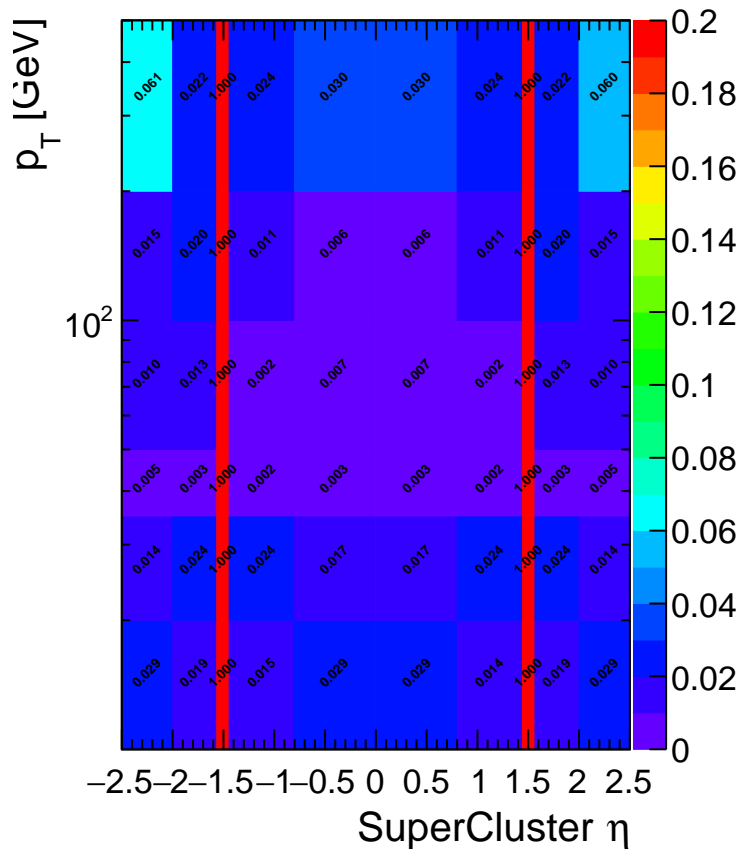
1.2  
1  
0.8  
0.6  
0.4  
0.2

Data / MC

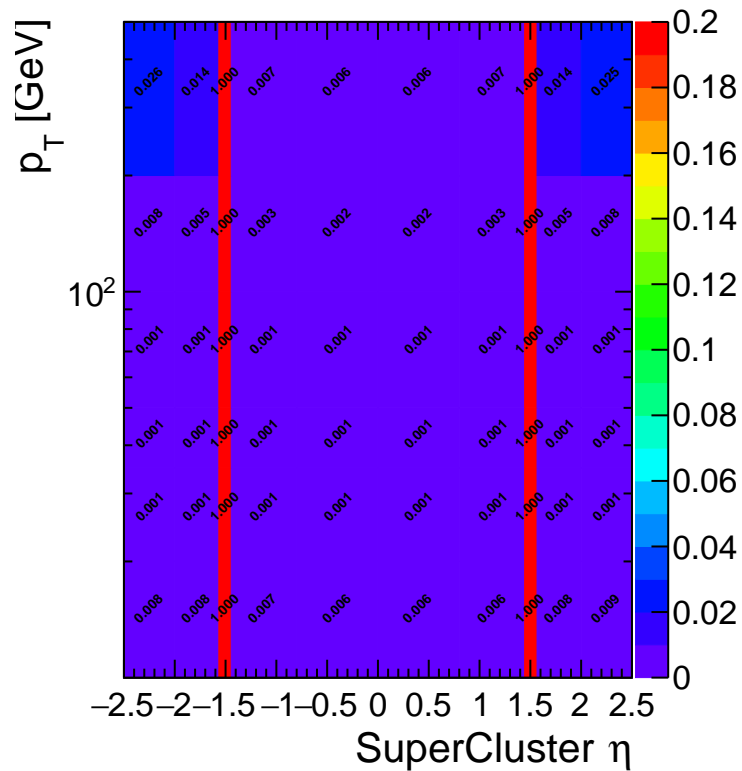
1.1  
1.05  
1  
0.95  
0.9  
0.85  
0.8  
0.75  
0.7

SuperCluster  $\eta$

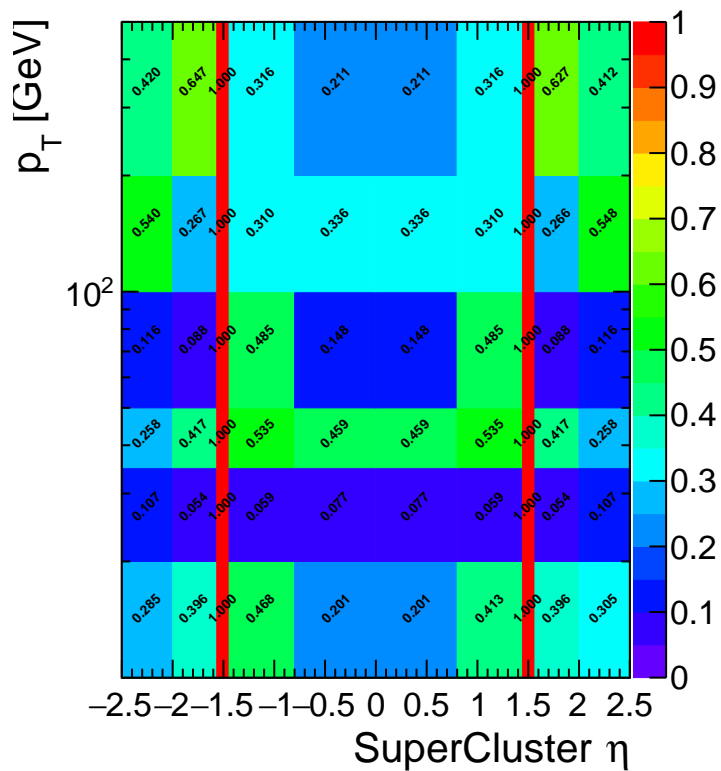


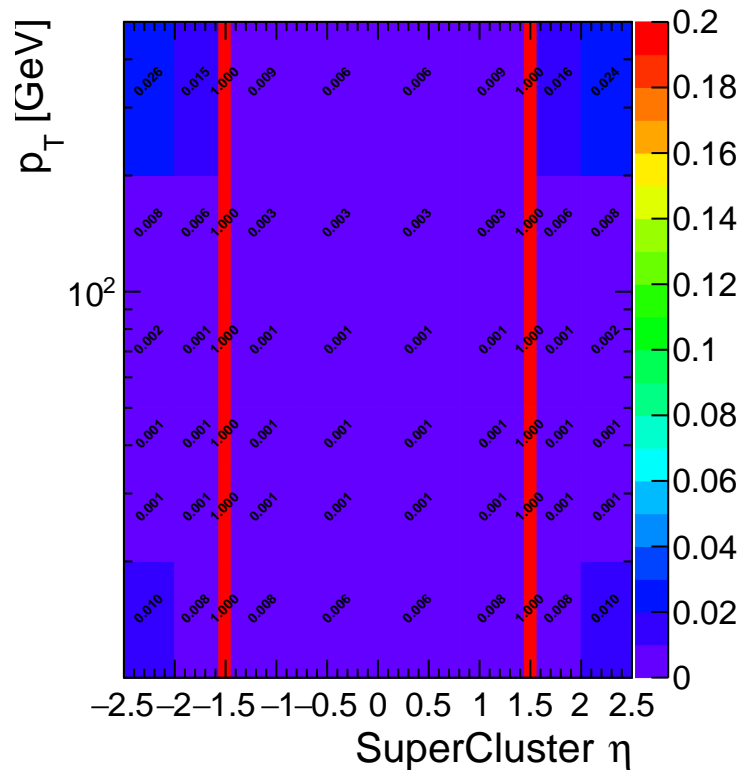
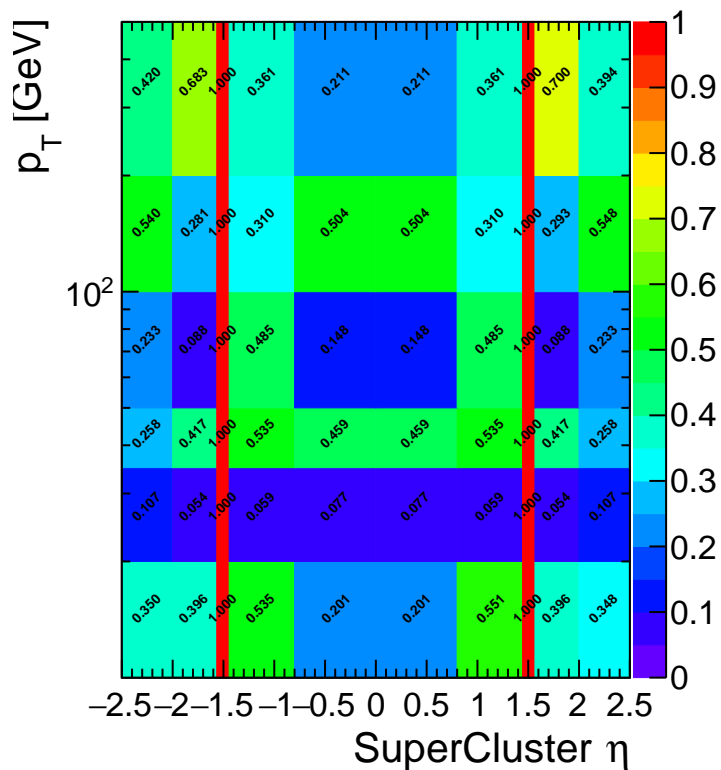
**$e/\gamma$  scale factors** **$e/\gamma$  uncertainties**

$e/\gamma$  absolute SF syst: statData

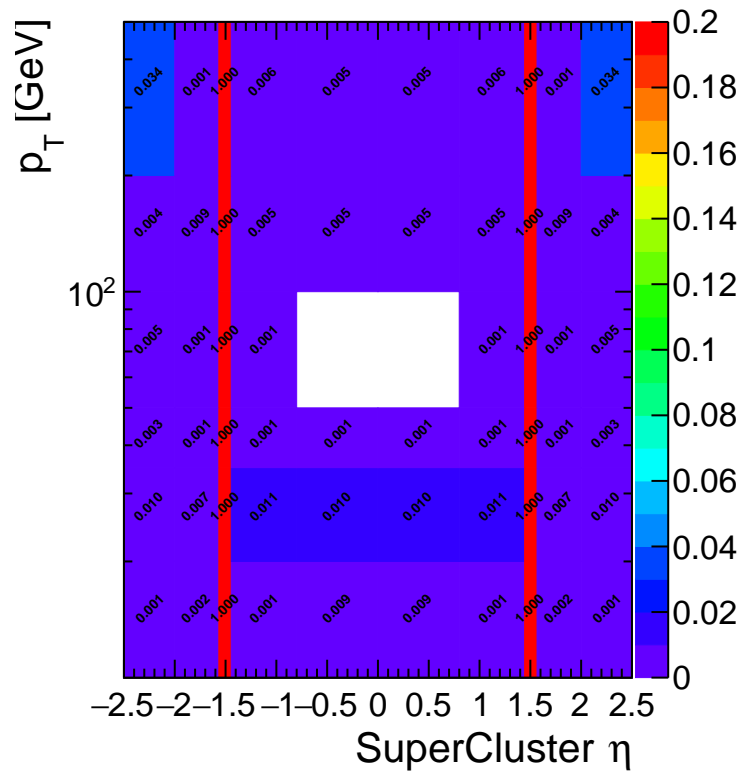


$e/\gamma$  relative SF syst: statData

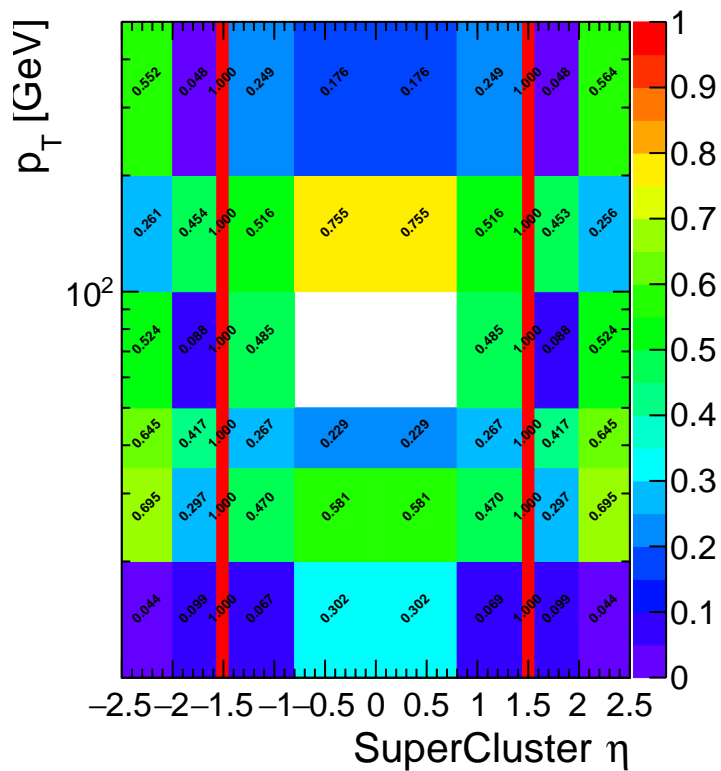


**$e/\gamma$  absolute SF syst: statMC** **$e/\gamma$  relative SF syst: statMC**

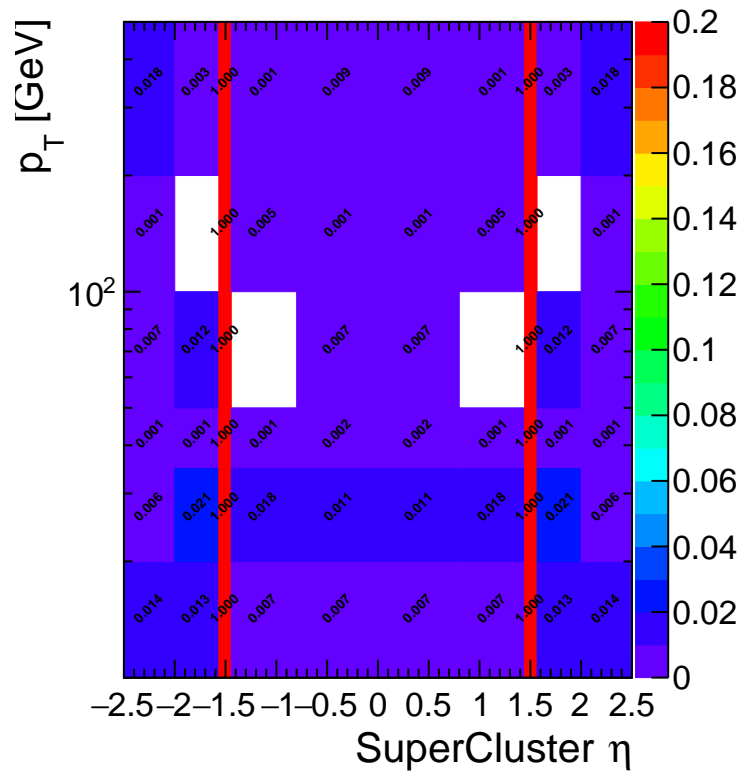
$e/\gamma$  absolute SF syst: altBkgModel



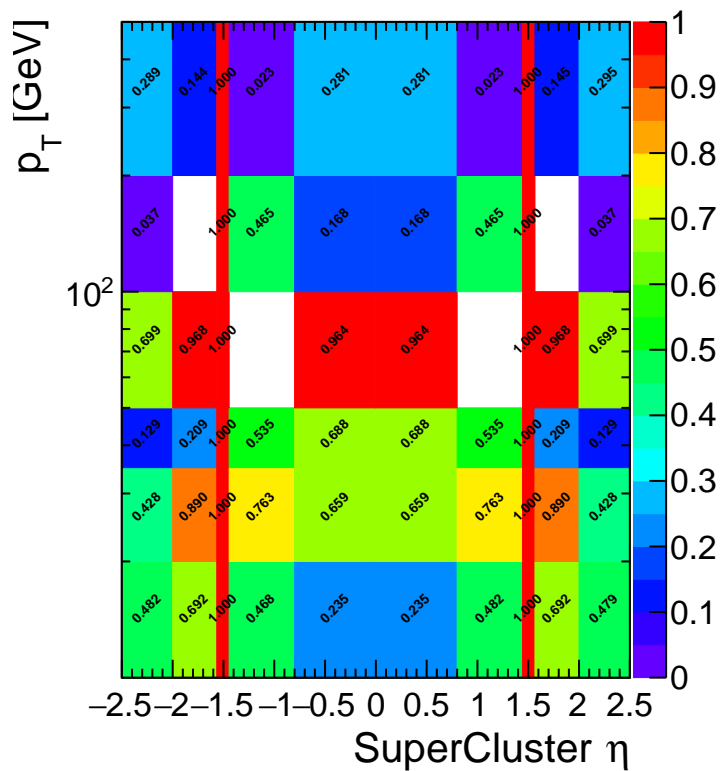
$e/\gamma$  relative SF syst: altBkgModel

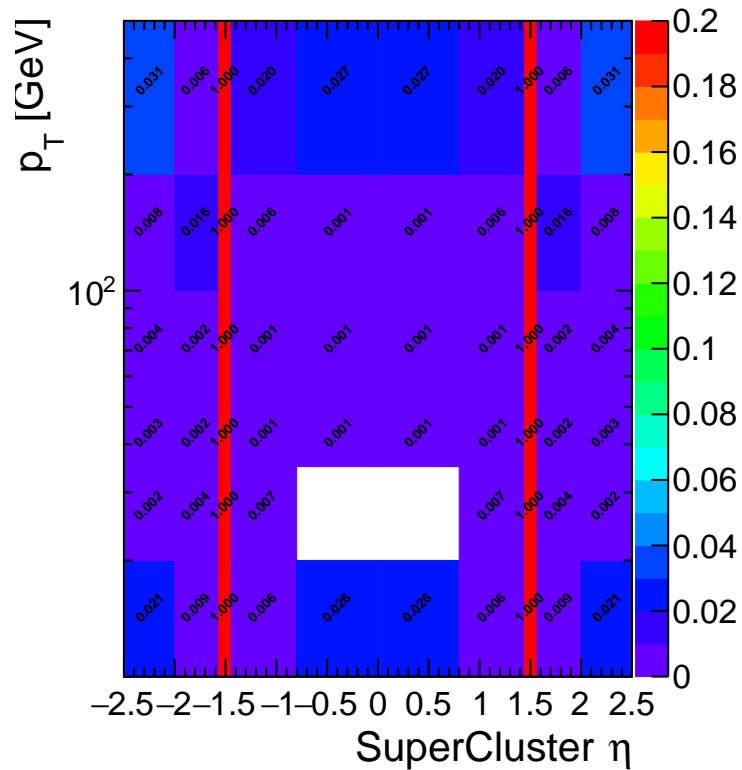
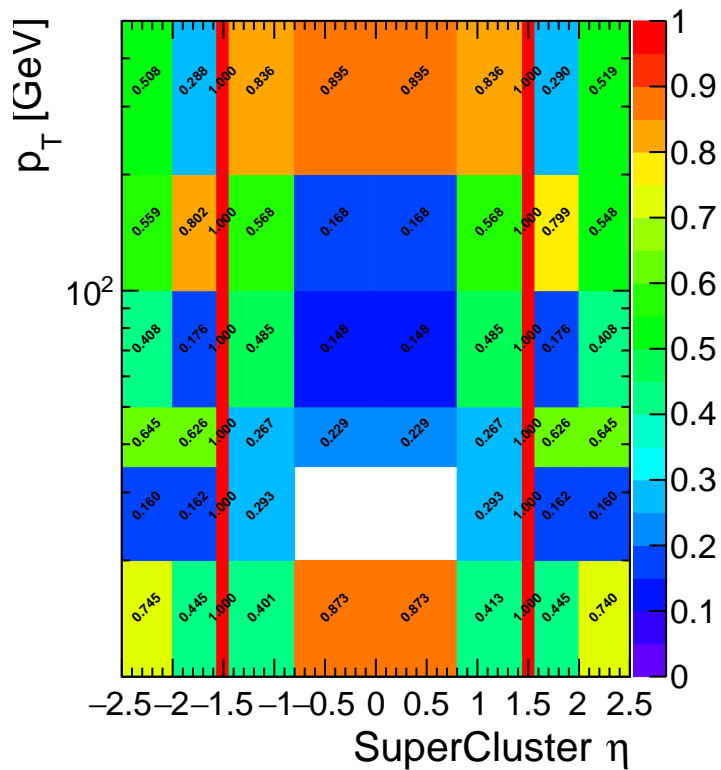


$e/\gamma$  absolute SF syst: altSignalModel

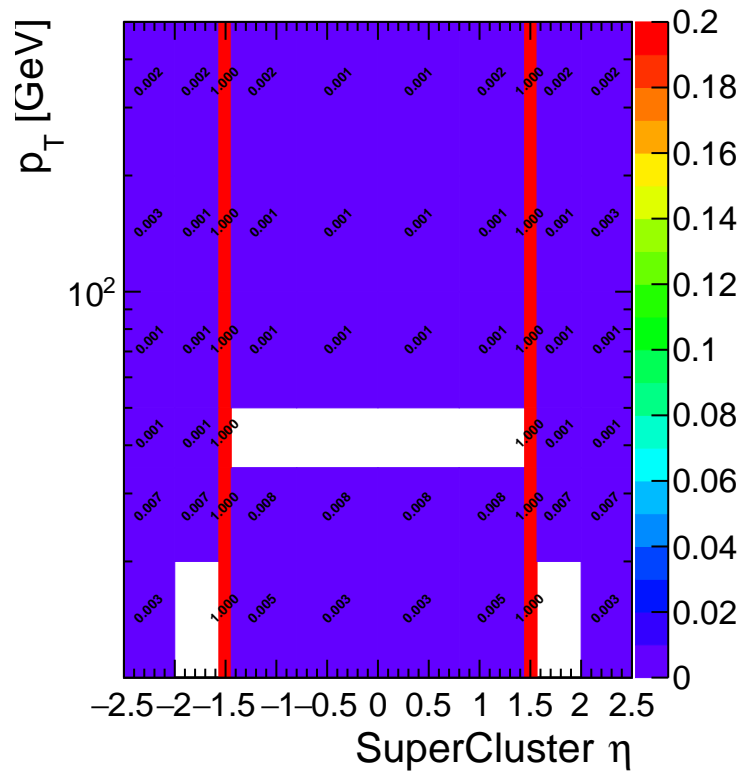


$e/\gamma$  relative SF syst: altSignalModel



**$e/\gamma$  absolute SF syst: altMCEff** **$e/\gamma$  relative SF syst: altMCEff**



**$e/\gamma$  absolute SF syst: altTagSelection** **$e/\gamma$  relative SF syst: altTagSelection**