

+59.7 fb<sup>-1</sup> (13 TeV)

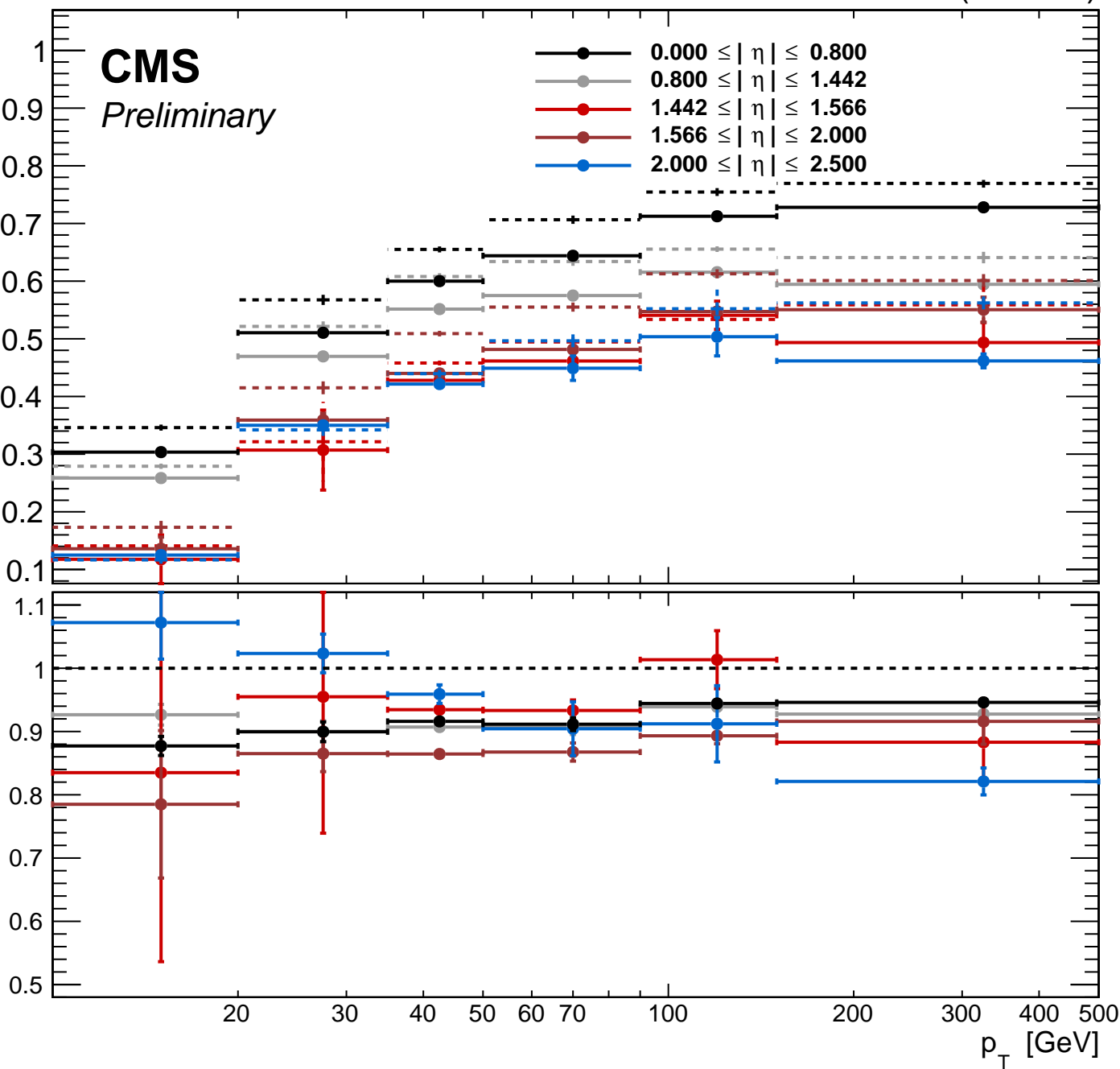
Data efficiency

**CMS**

*Preliminary*

- $0.000 \leq |\eta| \leq 0.800$
- $0.800 \leq |\eta| \leq 1.442$
- $1.442 \leq |\eta| \leq 1.566$
- $1.566 \leq |\eta| \leq 2.000$
- $2.000 \leq |\eta| \leq 2.500$

Data / MC

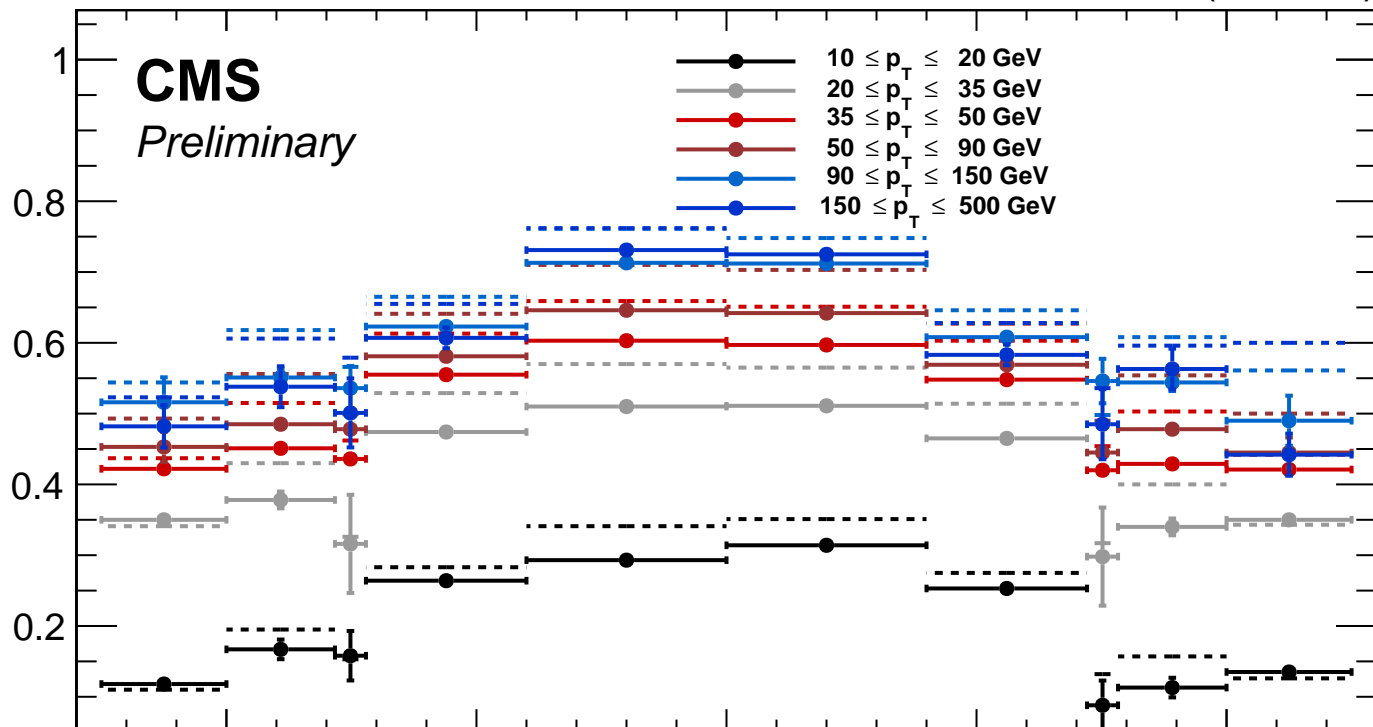
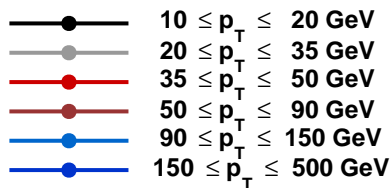


+59.7 fb<sup>-1</sup> (13 TeV)

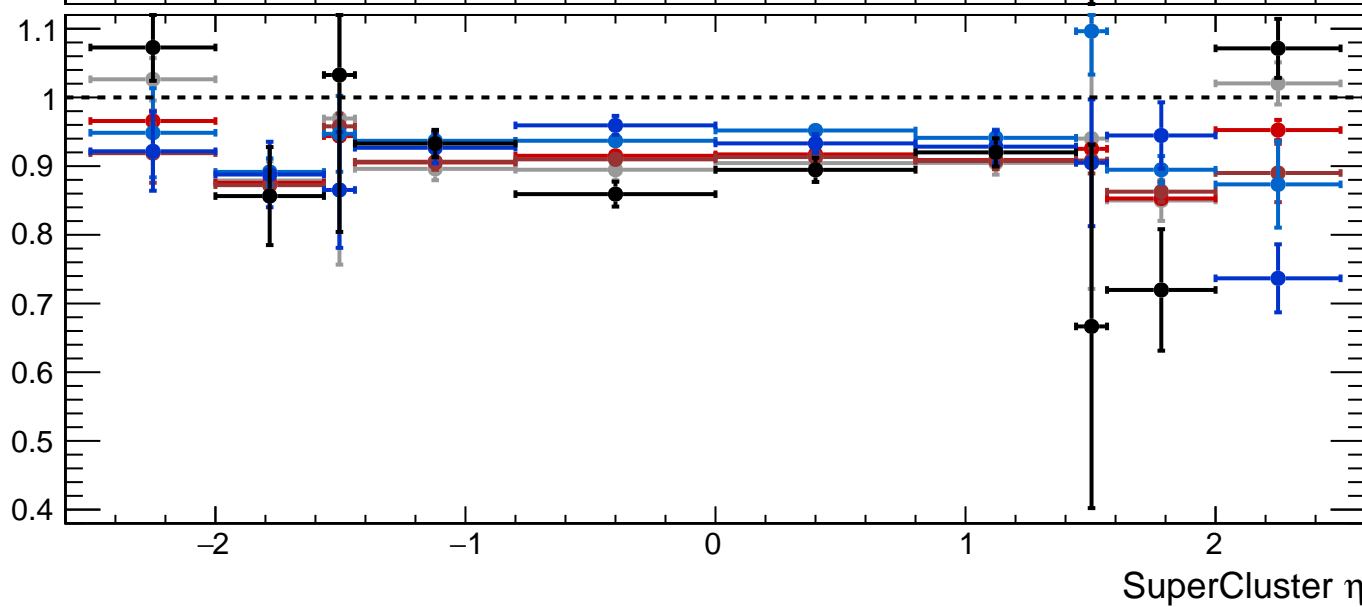
Data efficiency

**CMS**

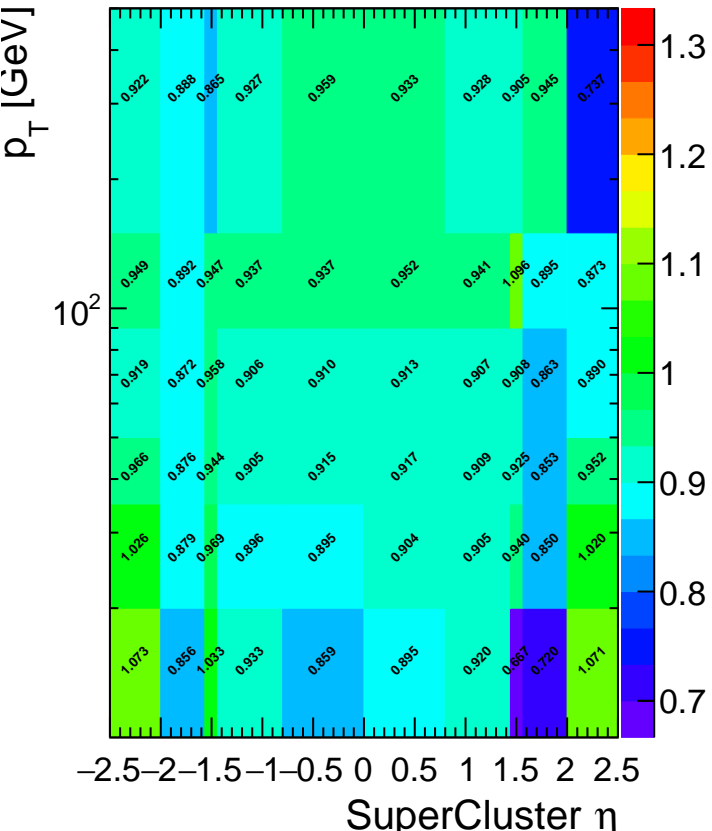
*Preliminary*



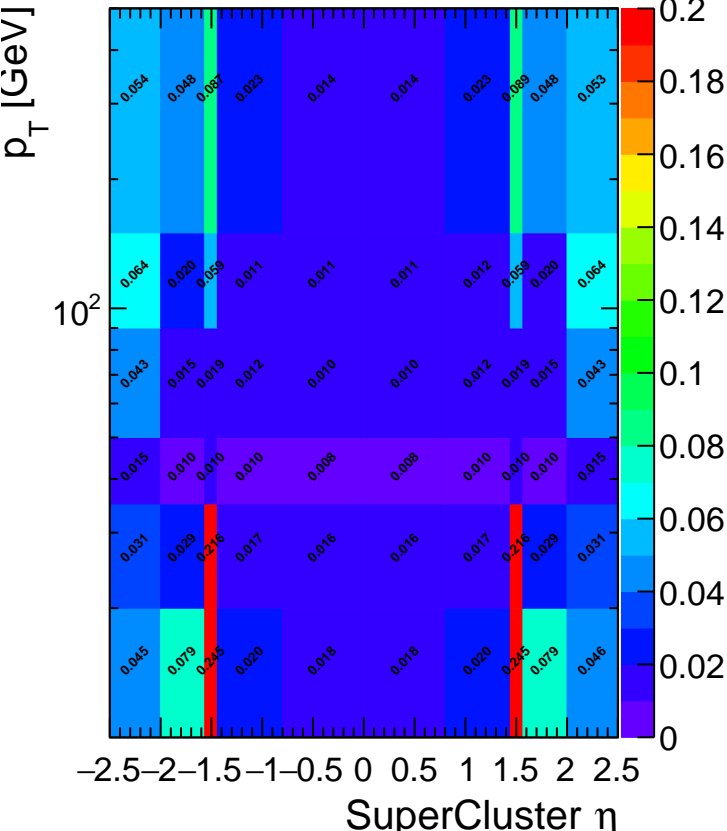
Data / MC



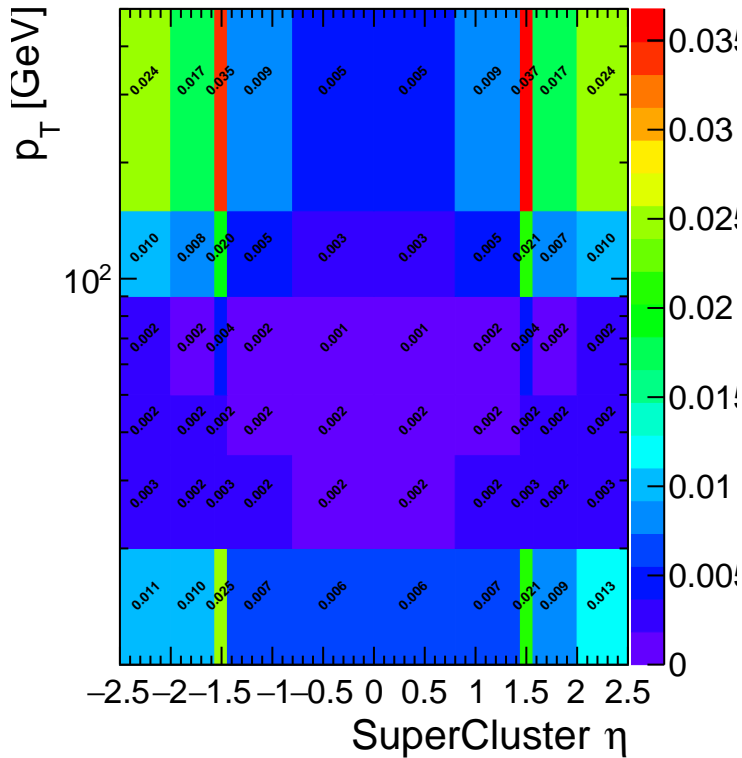
## e/ $\gamma$ scale factors



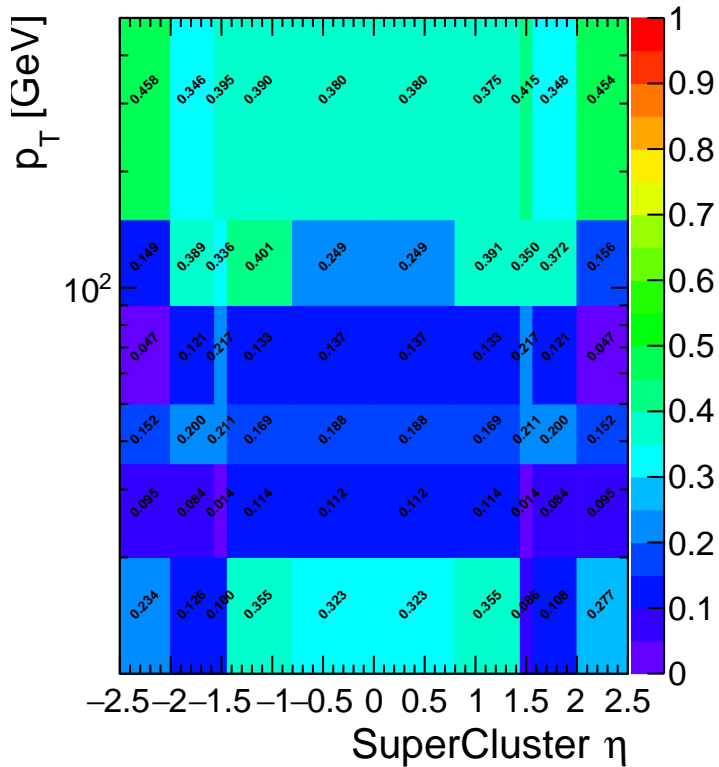
## e/ $\gamma$ uncertainties

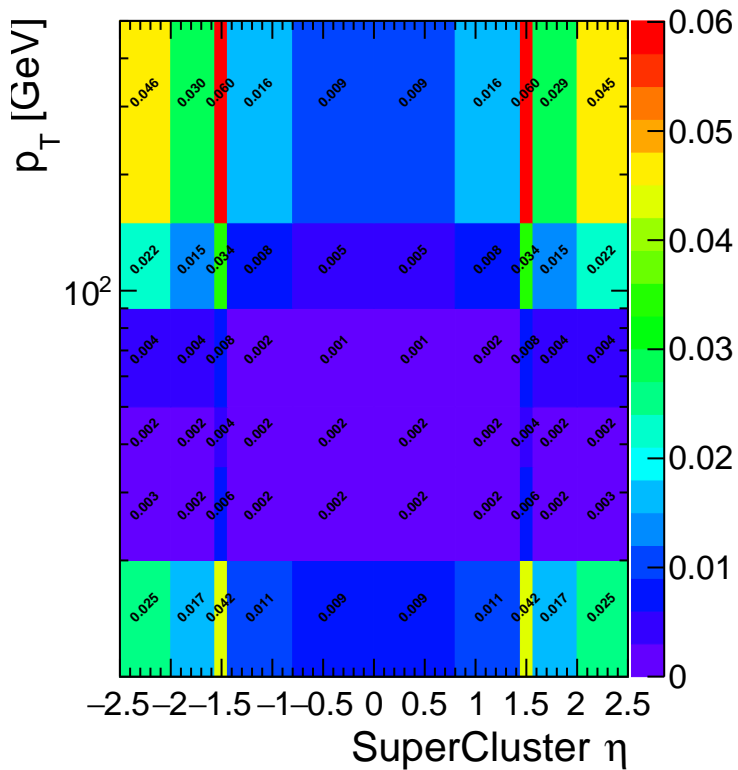
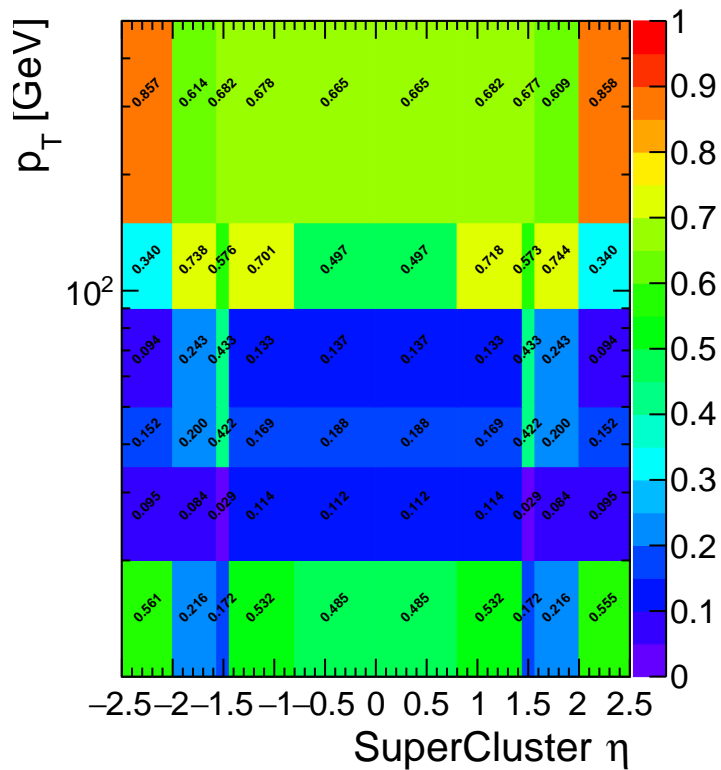


$e/\gamma$  absolute SF syst: statData

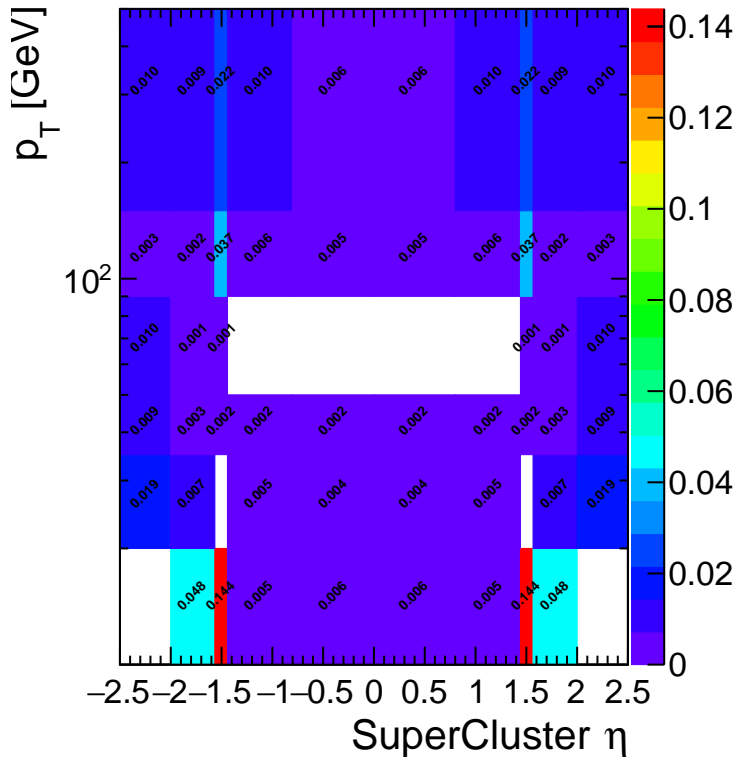


$e/\gamma$  relative SF syst: statData

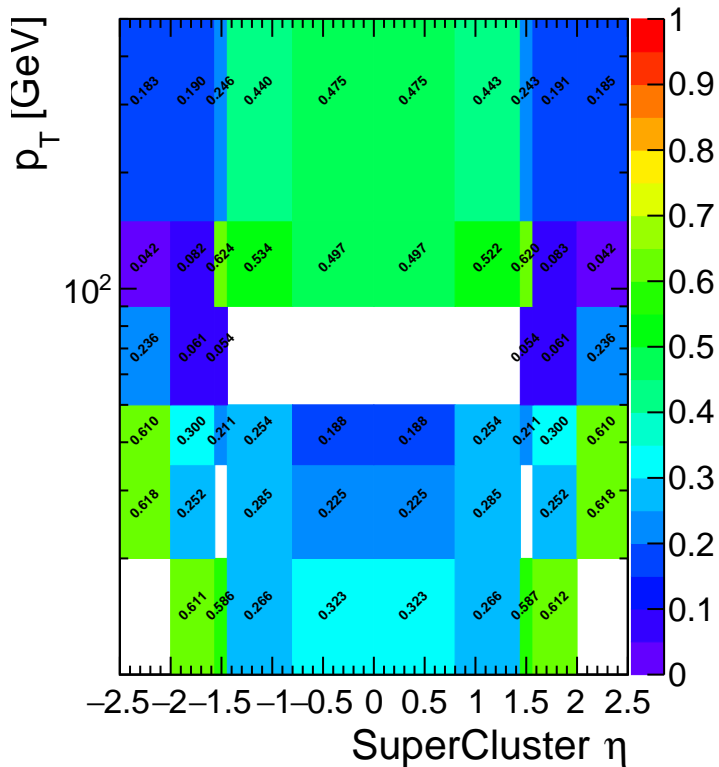


**$e/\gamma$  absolute SF syst: statMC** **$e/\gamma$  relative SF syst: statMC**

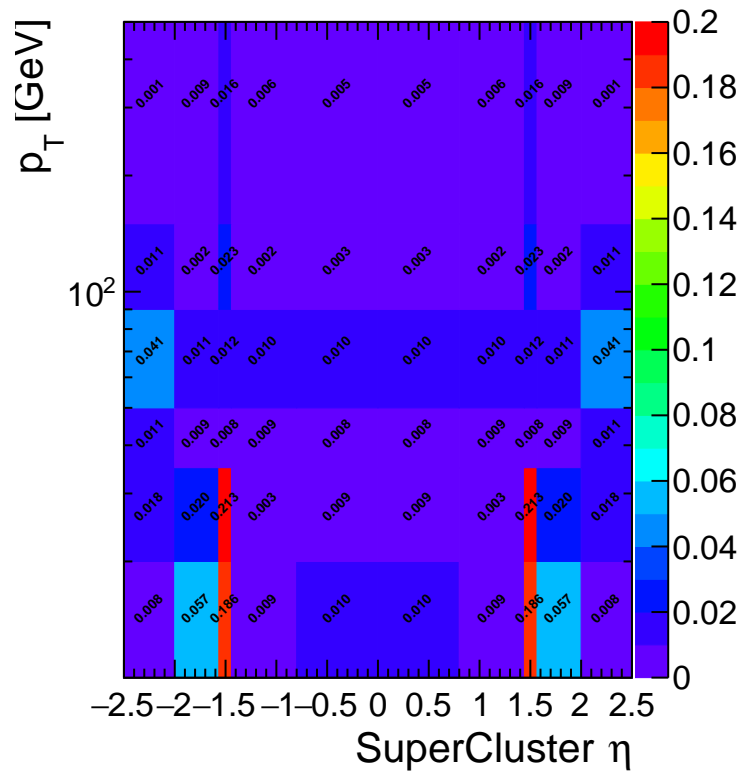
$e/\gamma$  absolute SF syst: altBkgModel



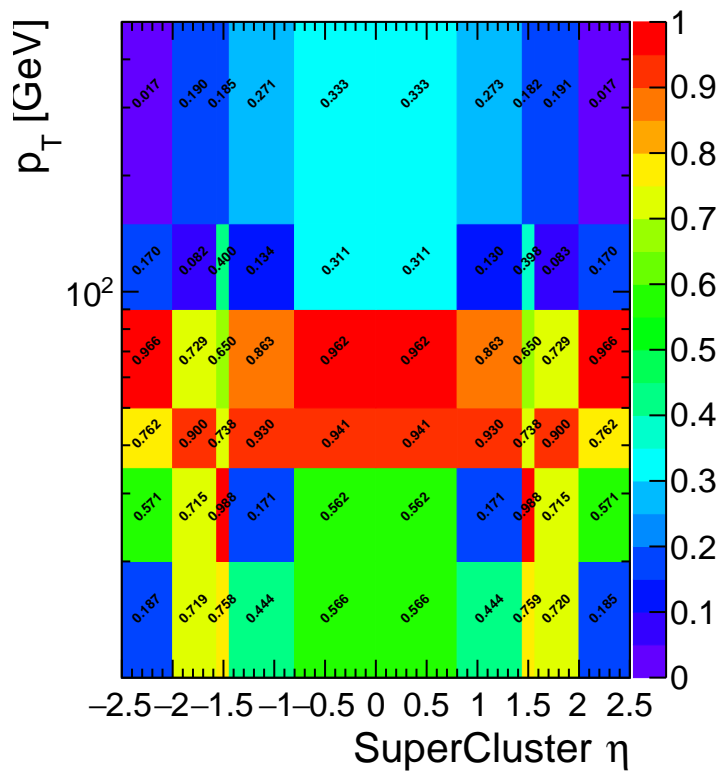
$e/\gamma$  relative SF syst: altBkgModel

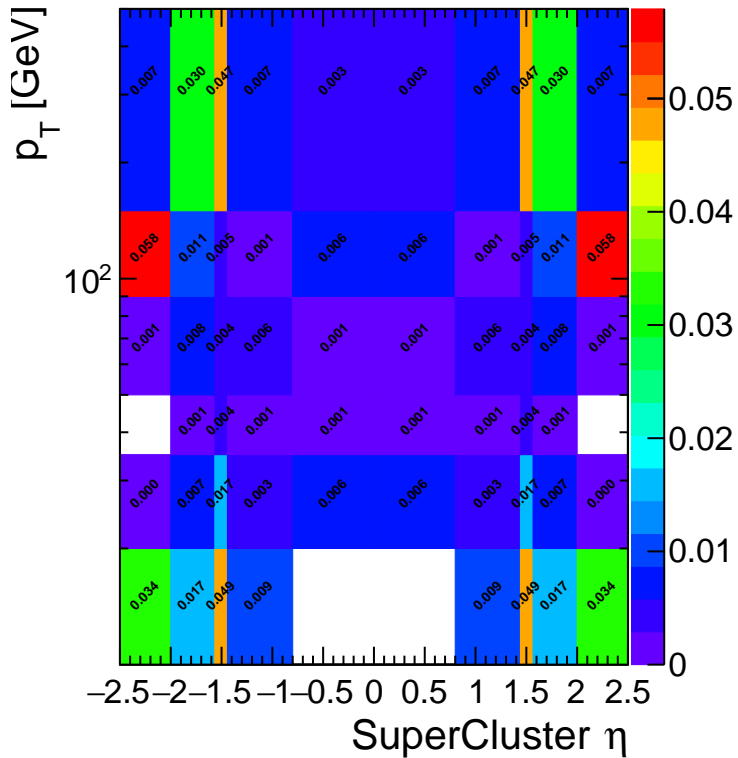
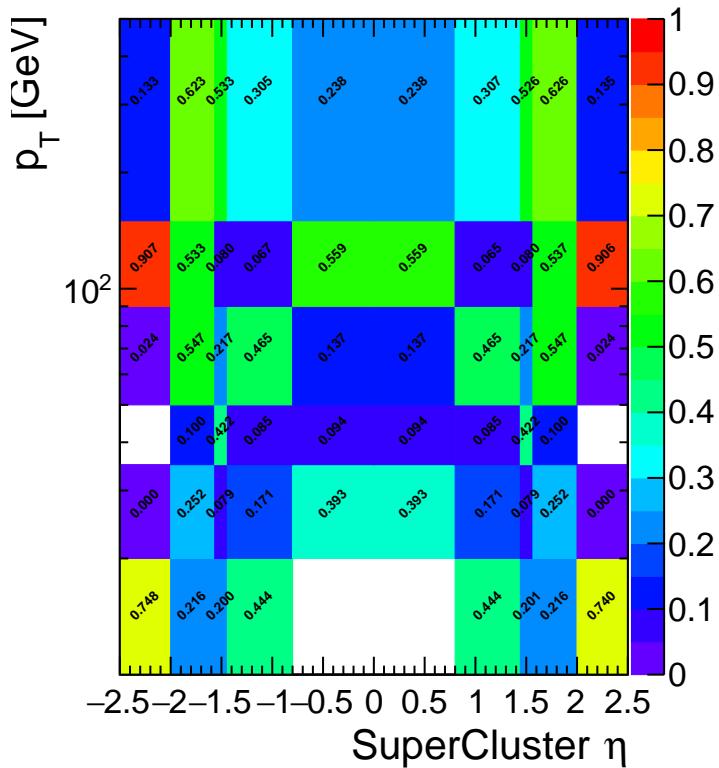


$e/\gamma$  absolute SF syst: altSignalModel



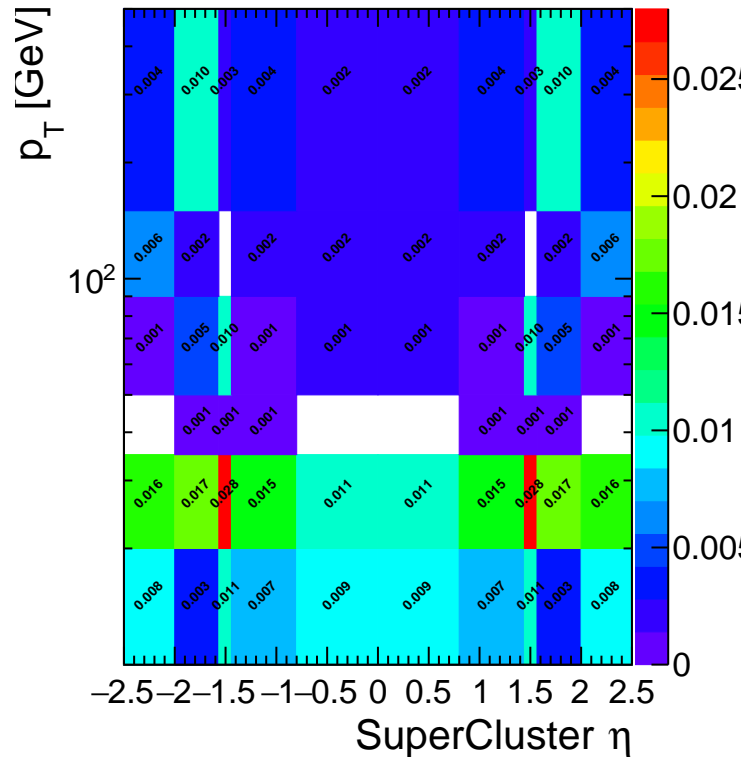
$e/\gamma$  relative SF syst: altSignalModel



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



$e/\gamma$  absolute SF syst: altTagSelection



$e/\gamma$  relative SF syst: altTagSelection

