

Class	Coefficients	old		new	
		Fitted	Fixed	Fitted	Fixed
2FB	$c_{tG}^{1,8}$	✓		✓	
2L2H	$c_{Qq}^{1,1}$	✓		✓	
	$c_{Qq}^{1,1}$	✓		✓	
	$c_{Qq}^{3,8}$	✓		✓	
	$c_{Qq}^{3,1}$	✓		✓	
	$c_{tq}^8$	✓		✓	
	$c_{tq}^1$	✓		✓	
	$c_{tu}^8$	✓		✓	
	$c_{tu}^1$	✓		✓	
	$c_{Qu}^8$	✓		✓	
	$c_{Qu}^1$	✓		✓	
	$c_{td}^8$	✓		✓	
	$c_{td}^1$	✓		✓	
	$c_{Qd}^8$	✓		✓	
	$c_{Qd}^1$	✓		✓	
Number fitted coefficients		15		15	

Table 1: Coefficient comparison

Type	Datasets	old	new
tt	CMS_tt_13TeV_ljets_2016_Mtt	✓	✓

Table 1: Dataset comparison

$\chi^2$  table. Blue color text represents a value that is lower than the SM  $\chi^2$  by more than one standard deviation of the  $\chi^2$  distribution. Similarly, red color text represents values that are higher than the SM  $\chi^2$  by more than one standard deviation. In parenthesis is the total SM  $\chi^2$  for the dataset included in the fit.

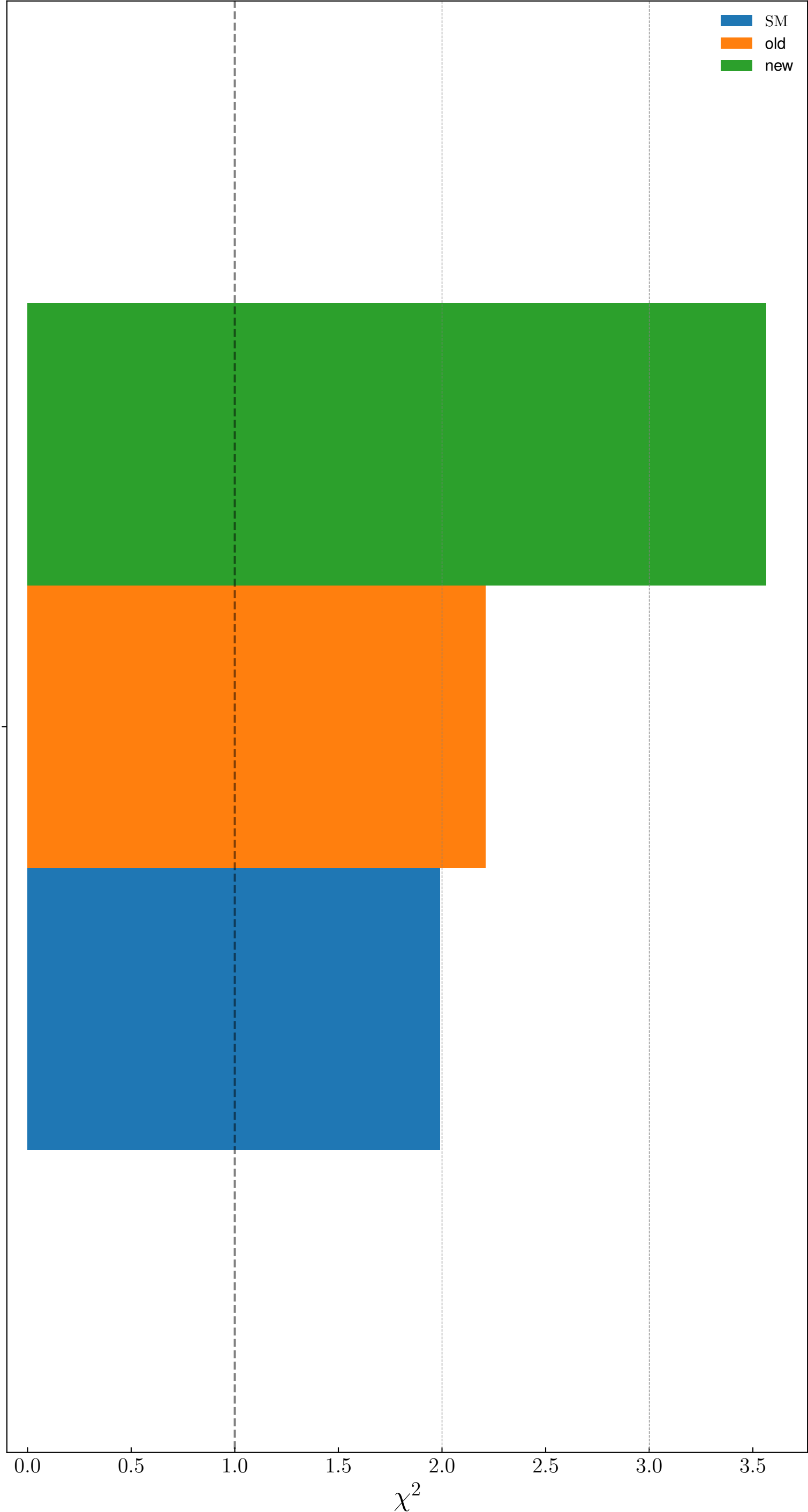
		SM	old	new
Process	$N_{\text{data}}$	$\chi^2/N_{\text{data}}$	$\chi^2/N_{\text{data}}$	$\chi^2/N_{\text{data}}$
CMS_tt_13TeV_ljets_2016_Mtt	10	1.992	2.209	3.564
Total			2.209 (1.992)	3.564 (1.992)

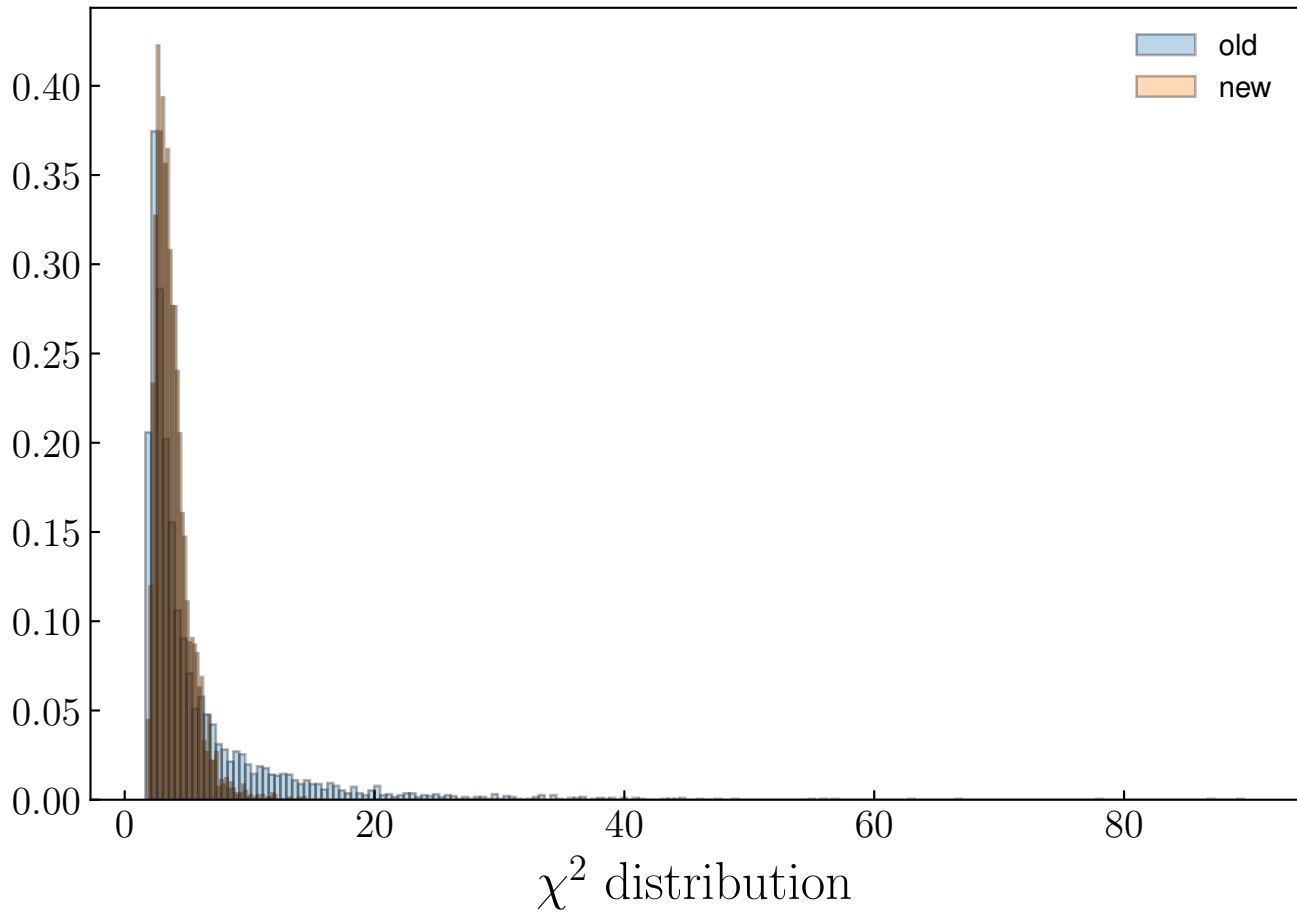
Table 1:  $\chi^2$  table for tt data

	old		new	
Process	$N_{\text{data}}$	$\chi^2/N_{\text{data}}$	$N_{\text{data}}$	$\chi^2/N_{\text{data}}$
tt	10.0	2.209 (1.992)	10.0	3.564 (1.992)
Total	10.0	2.209 (1.992)	10.0	3.564 (1.992)

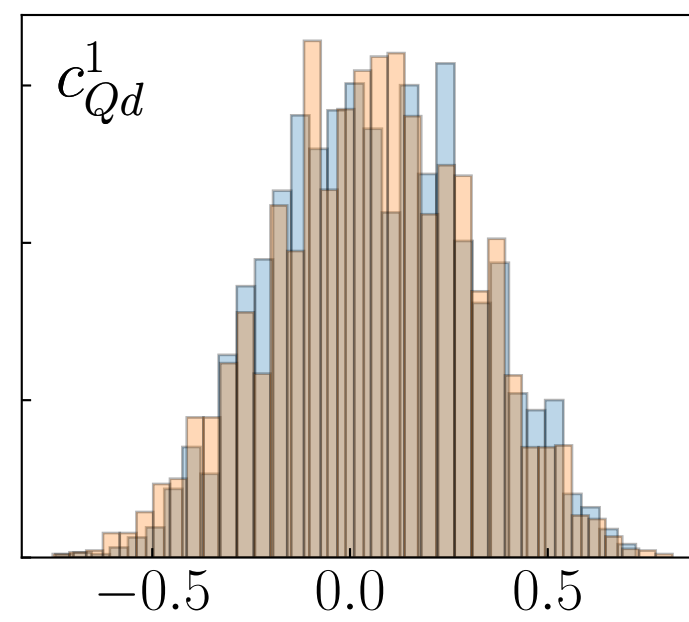
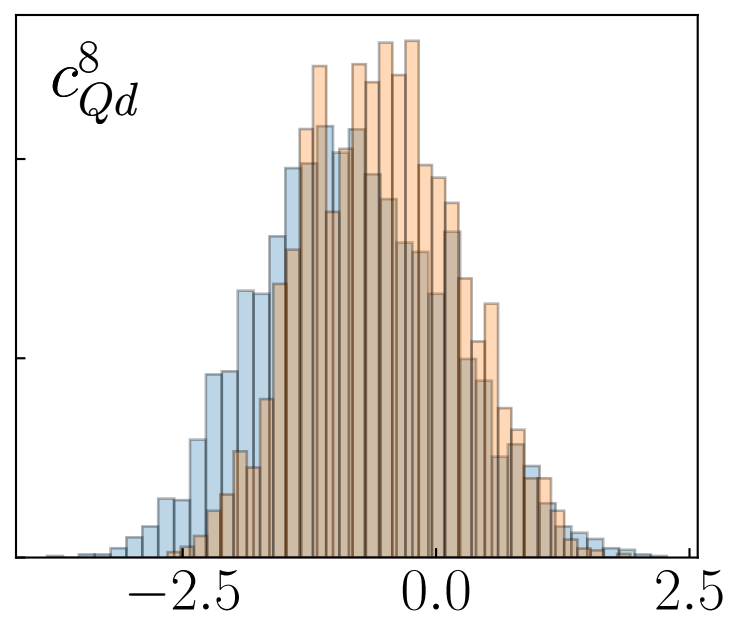
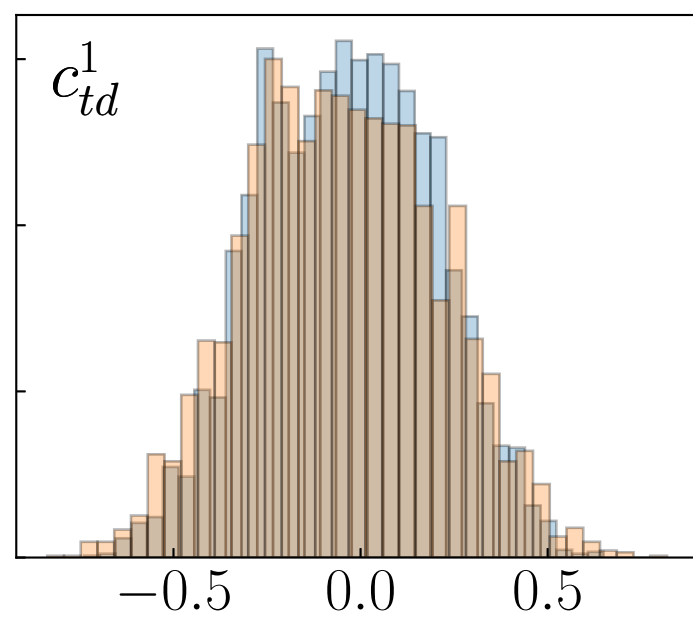
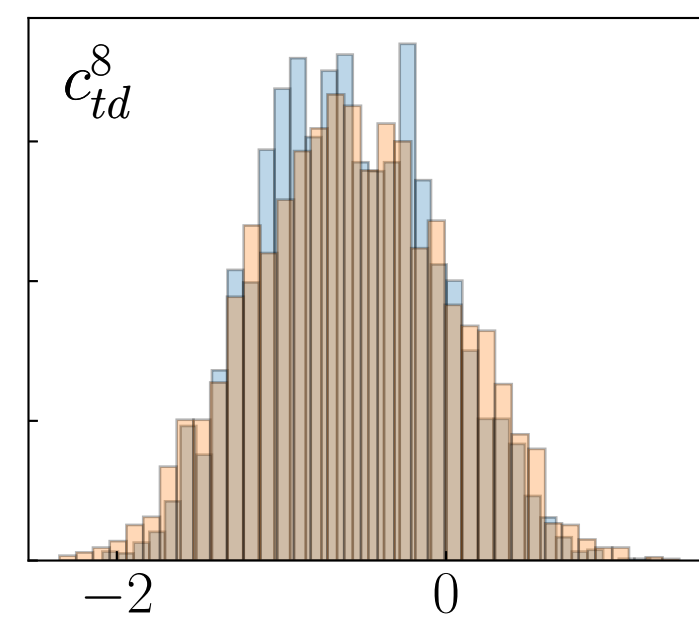
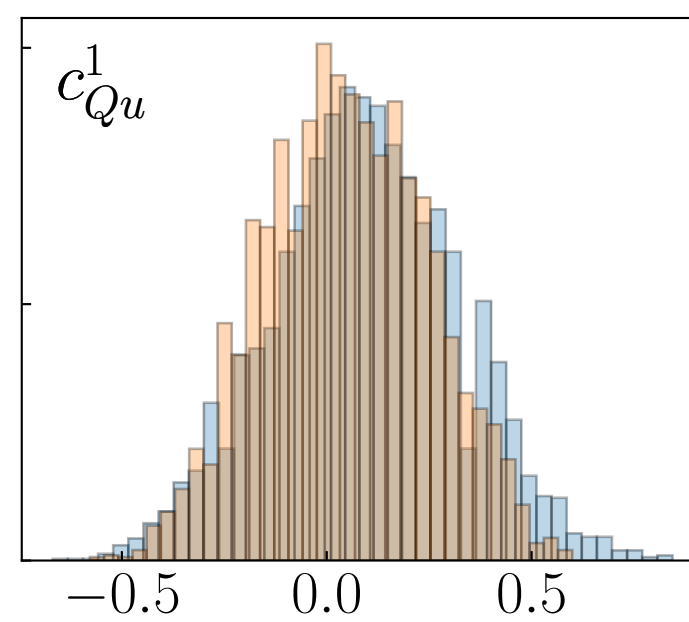
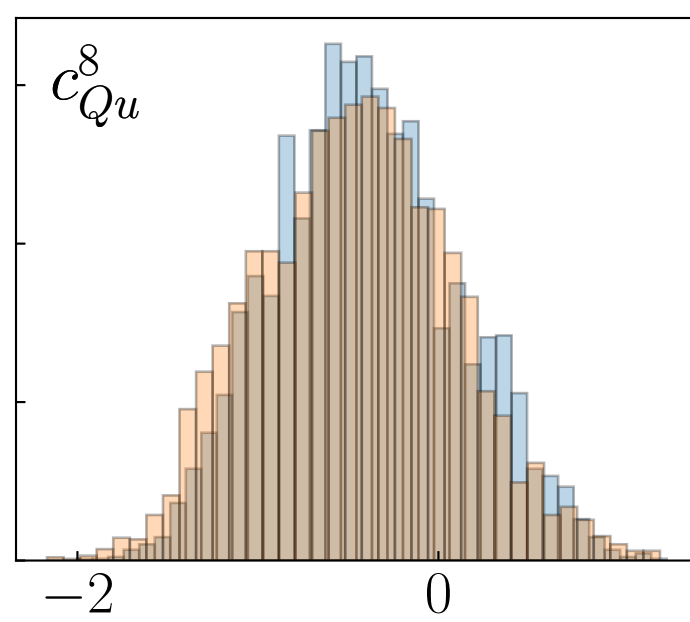
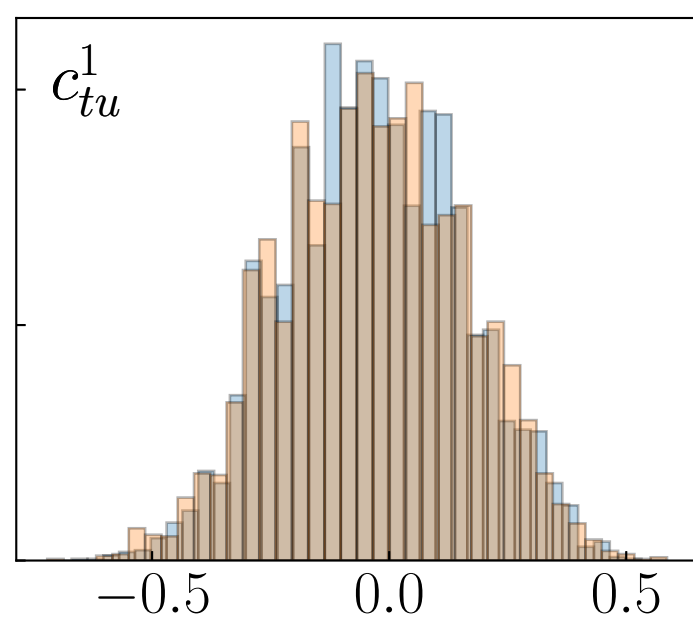
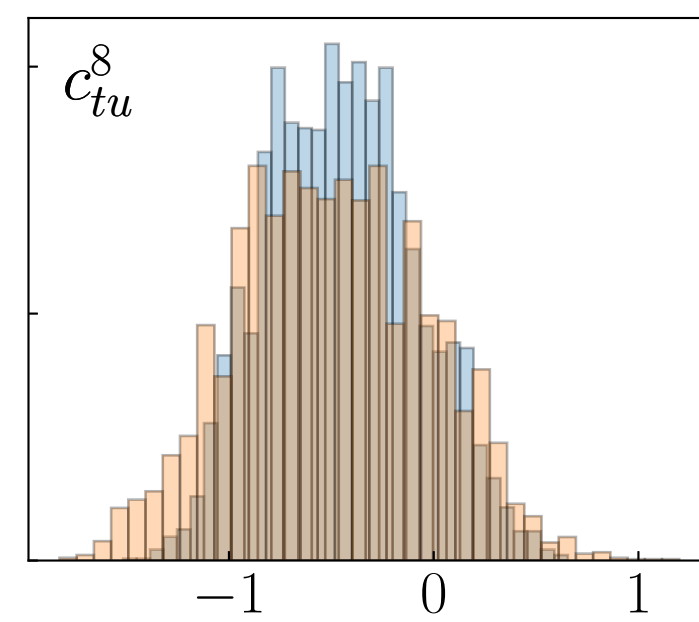
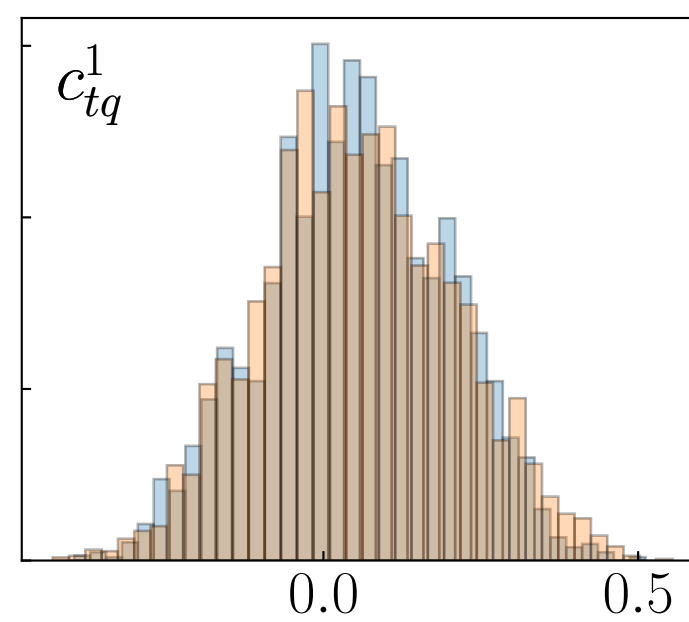
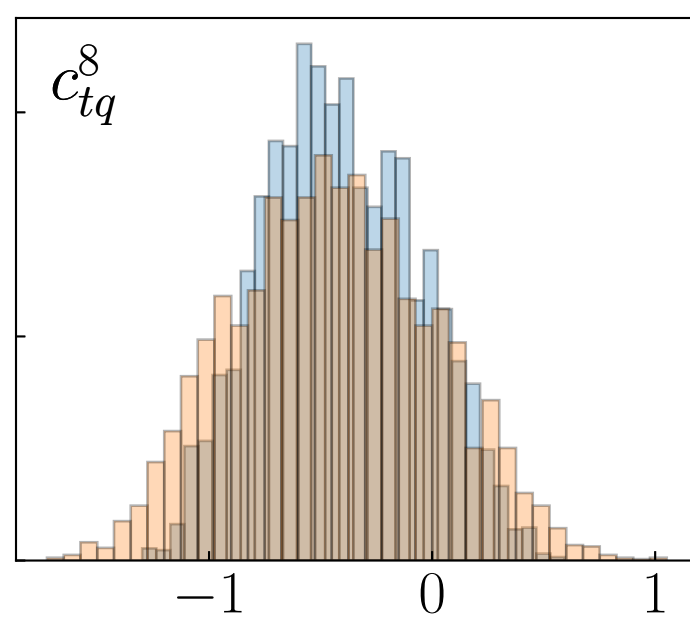
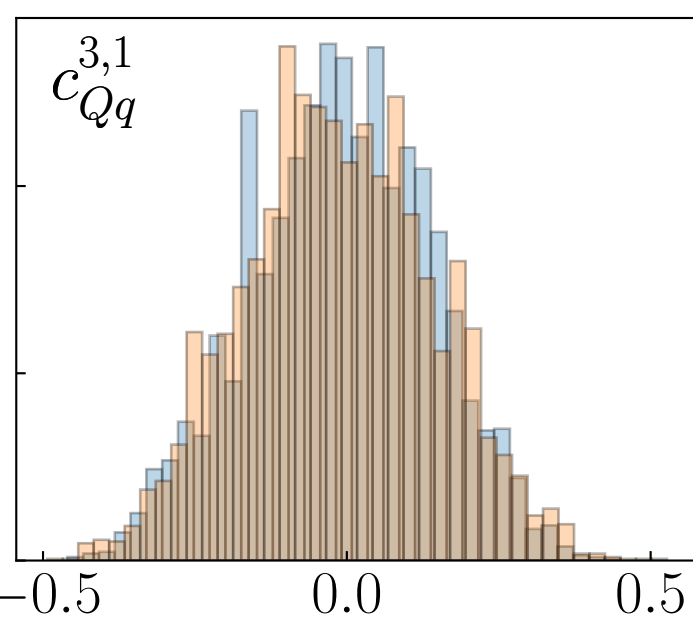
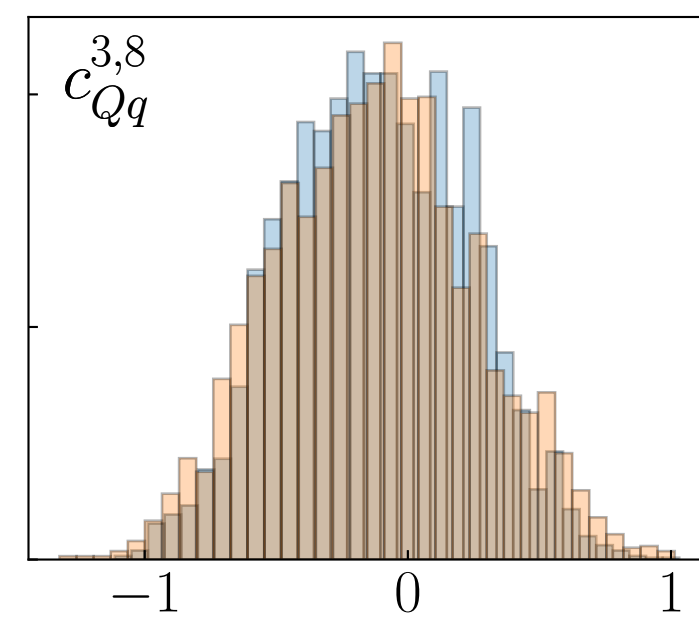
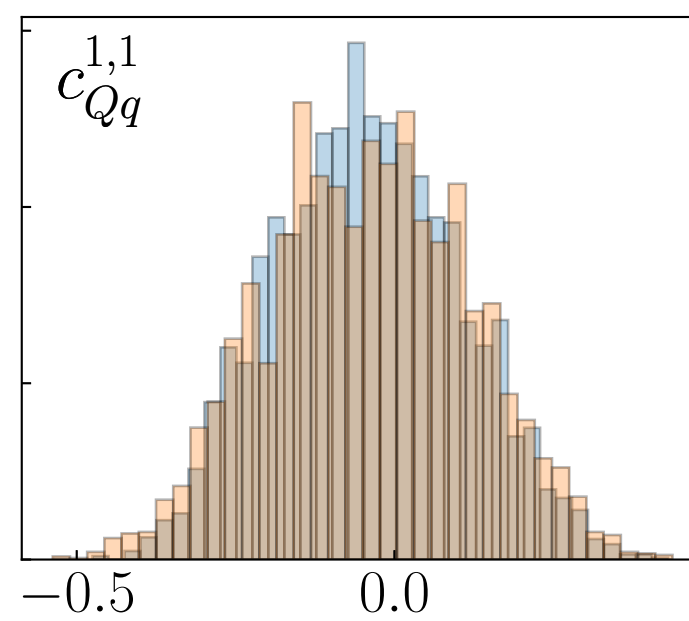
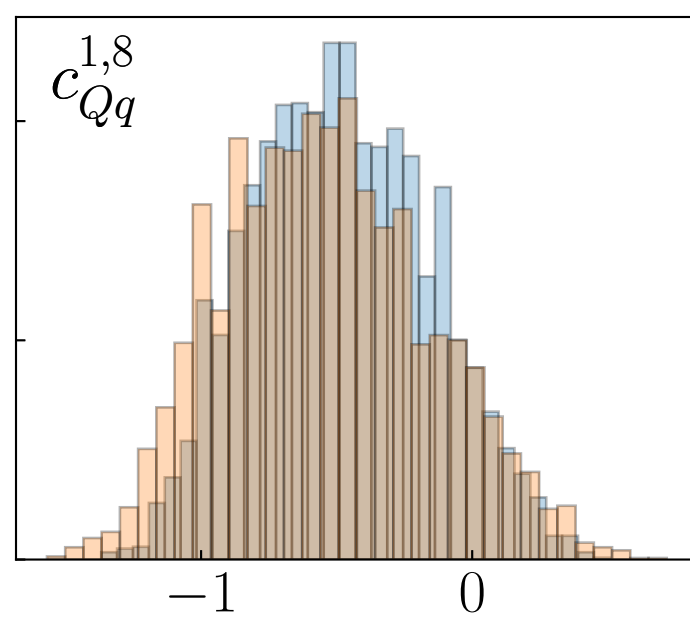
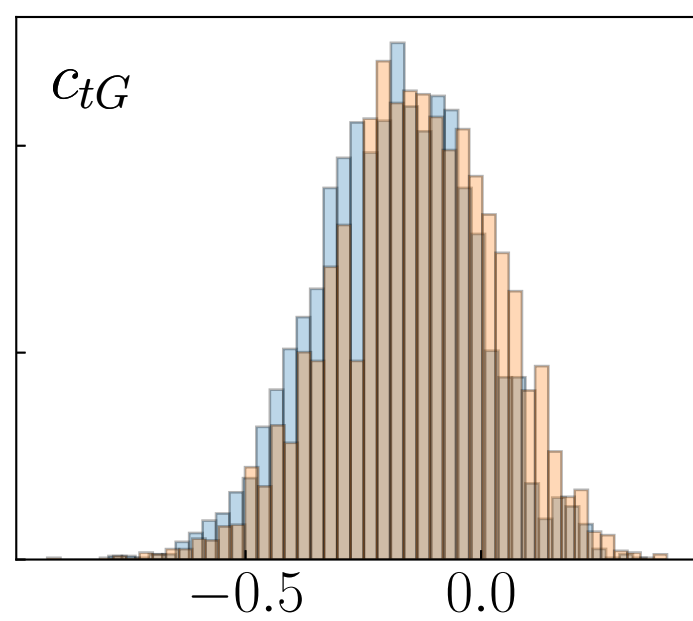
Table 2:  $\chi^2$  table for grouped data. In parenthesis is the total SM  $\chi^2$  for the dataset included in the fit. The SM column refers to all the datasets available in the group

CMS\_tt\_13TeV\_ljets\_2016\_Mtt





old new



 MEFIT