		old		new	
Class	Coefficients	Fitted	Fixed	Fitted	Fixed
2FB	c_{tG}	✓		✓	
	$c_{Qq}^{1,8}$	✓		✓	
	$c_{Qq}^{1,1}$	✓		✓	
	$c_{Qq}^{3,8}$	✓		✓	
	$c_{Qq}^{3,1}$	✓		✓	
	c_{tq}^{87}	√		√	
	$c_{tq}^1 \\ c_{tu}^8$	√		√	
2L2H	c_{tu}^8	✓		✓	
	c_{tu}^1	✓		✓	
	c_{Qu}^8	✓		✓	
	c_{Qu}^1	√		√	
	c_{Qu}^{c}	√		√	
	c_{td}^1	√		√	
	c_{Od}^8	√		√	
	$c_{Qd}^{ m I}$	√		√	
	Number fitted coefficients	15		15	

Table 1: Coefficient comparison

Type	Datasets	old	new
	ATLAS_CMS_tt_AC_8TeV	√	✓
	ATLAS_tt_13TeV_asy_2022	√	√
	ATLAS_tt_13TeV_ljets_2016_Mtt	√	✓
	$ATLAS_{tt_8}TeV_{dilep_Mtt}$	√	✓
tt	$ATLAS_{tt_8}TeV_{jets_Mtt}$	√	✓
	$CMS_tt2D_8TeV_dilep_MttYtt$	√	✓
	$CMS_tt_13TeV_Mtt$	√	✓
0.0	$CMS_{tt_1}3TeV_{asy}$	√	✓
	$CMS_tt_13TeV_dilep_2015_Mtt$	√	✓
	$CMS_tt_13TeV_dilep_2016_Mtt$	√	✓
	$CMS_tt_13TeV_ljets_2015_Mtt$	√	✓
	CMS_tt_13TeV_ljets_2016_Mtt	√	✓
	CMS_tt_13TeV_ljets_inc	√	√
	$CMS_{tt_8}TeV_{jets_Y}tt$	√	√

Table 1: Dataset comparison

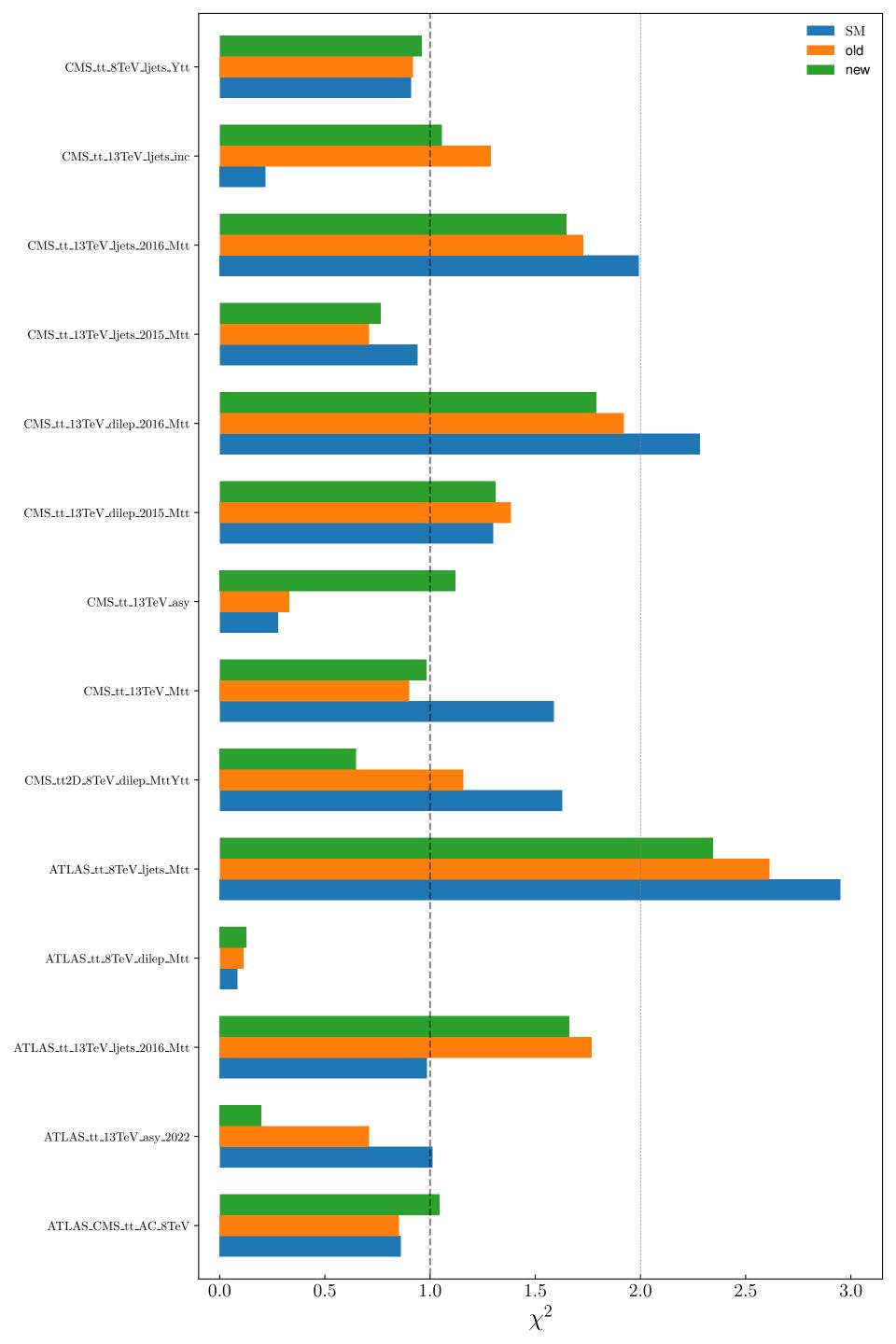
 χ^2 table. Blue color text represents a value that is lower than the SM χ^2 by more than one standard deviation of the χ^2 distribution. Similarly, red color text represents values that are higher than the SM χ^2 by more than one standard deviation. In parenthesis is the total SM χ^2 for the dataset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

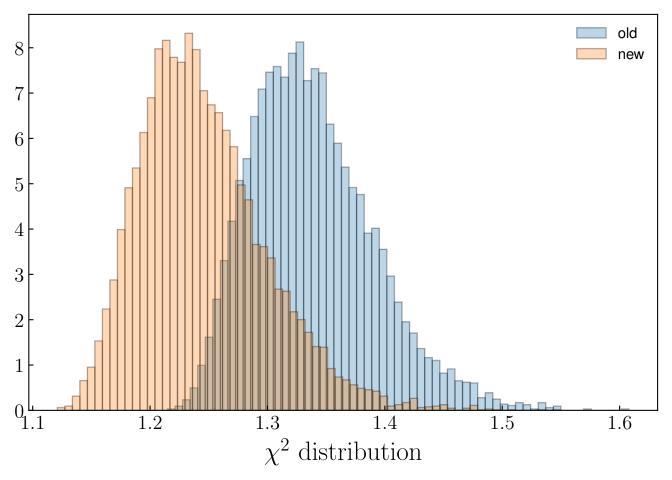
		SM	old	new
Process	$N_{ m data}$	$\chi^2/N_{\rm data}$	χ^2/N_{data}	χ^2/N_{data}
ATLAS_CMS_tt_AC_8TeV	6	0.861	0.852	1.045
ATLAS_tt_13TeV_asy_2022	5	1.011	0.710	0.198
ATLAS_tt_13TeV_ljets_2016_Mtt	7	0.986	1.769	1.662
ATLAS_tt_8TeV_dilep_Mtt	6	0.084	0.112	0.127
ATLAS_tt_8TeV_ljets_Mtt	7	2.951	2.613	2.344
CMS_tt2D_8TeV_dilep_MttYtt	16	1.628	1.158	0.648
CMS_tt_13TeV_Mtt	15	1.588	0.902	0.982
CMS_tt_13TeV_asy	3	0.277	0.330	1.121
CMS_tt_13TeV_dilep_2015_Mtt	6	1.299	1.385	1.310
CMS_tt_13TeV_dilep_2016_Mtt	7	2.282	1.920	1.789
CMS_tt_13TeV_ljets_2015_Mtt	8	0.939	0.709	0.764
CMS_tt_13TeV_ljets_2016_Mtt	10	1.992	1.727	1.648
CMS_tt_13TeV_ljets_inc	1	0.218	1.288	1.055
CMS_tt_8TeV_ljets_Ytt	10	0.909	0.919	0.960
Total			1.198 (1.397)	1.104 (1.418)

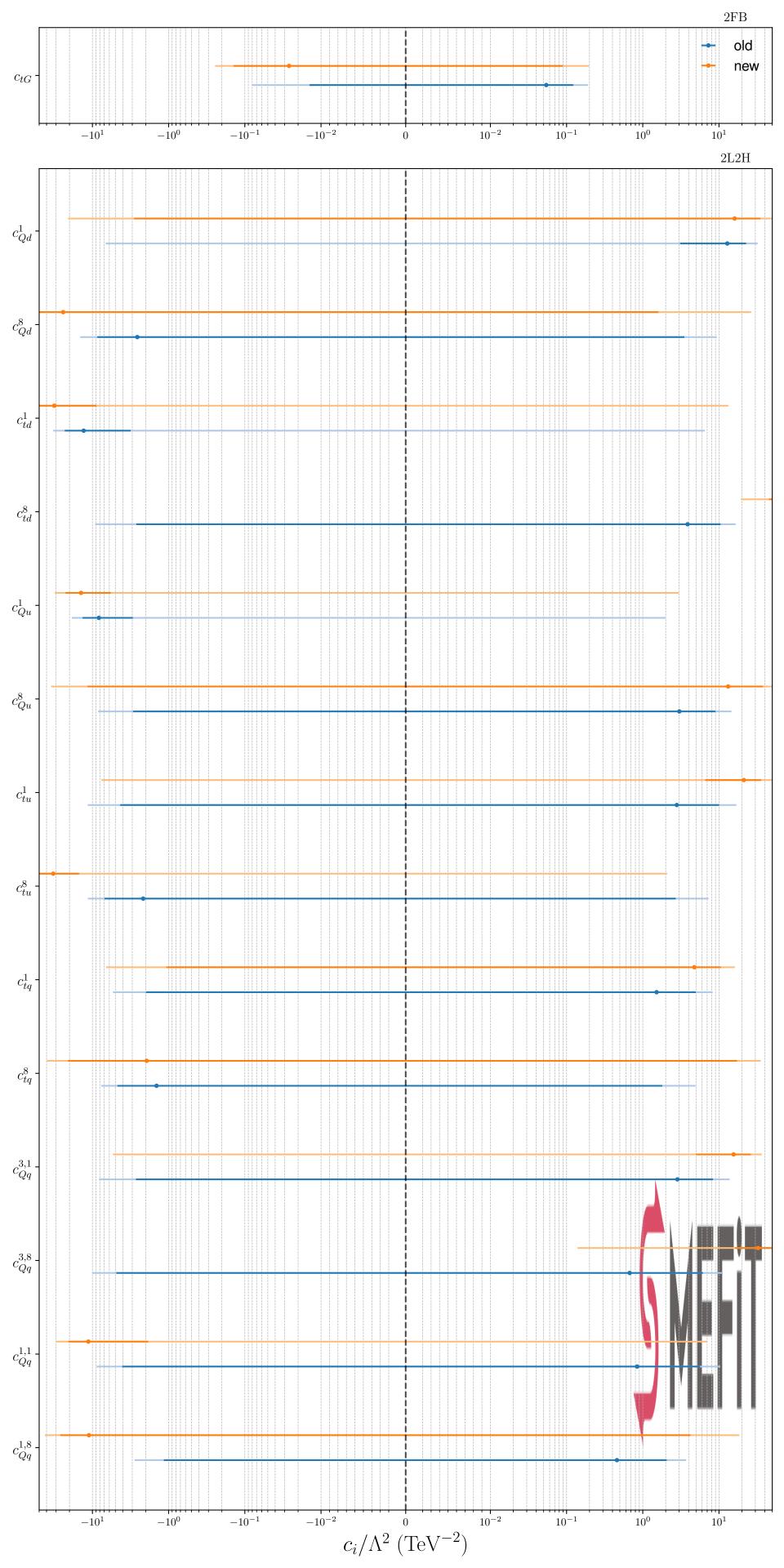
Table 1: χ^2 table for tt data

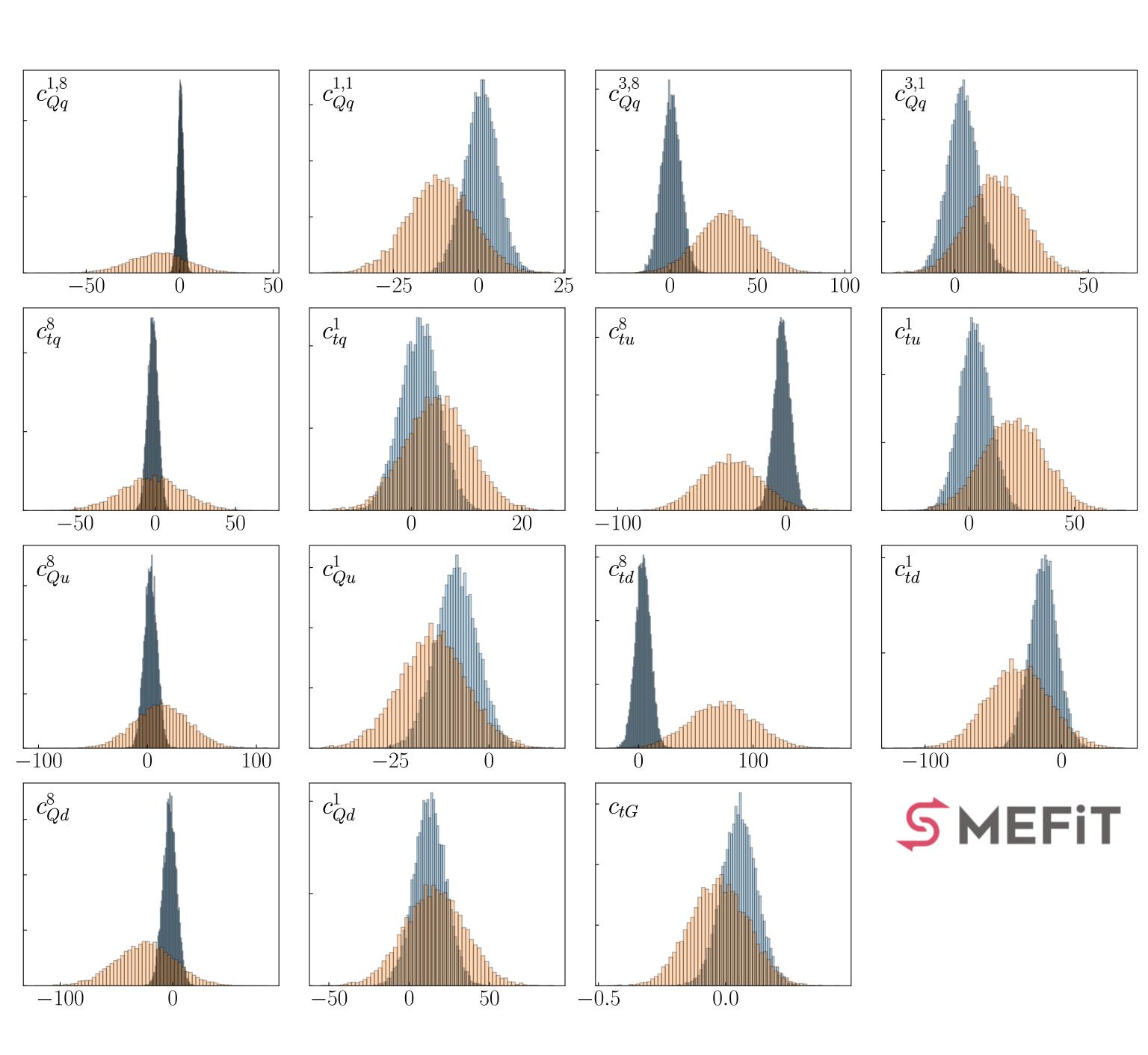
		old	new		
Process	$N_{ m data}$	$\chi^2/N_{\rm data}$	$N_{ m data}$	$\chi^2/N_{\rm data}$	
tt	107.0	1.198 (1.397)	107.0	1.104 (1.418)	
Total	107.0	1.198 (1.397)	107.0	1.104 (1.418)	

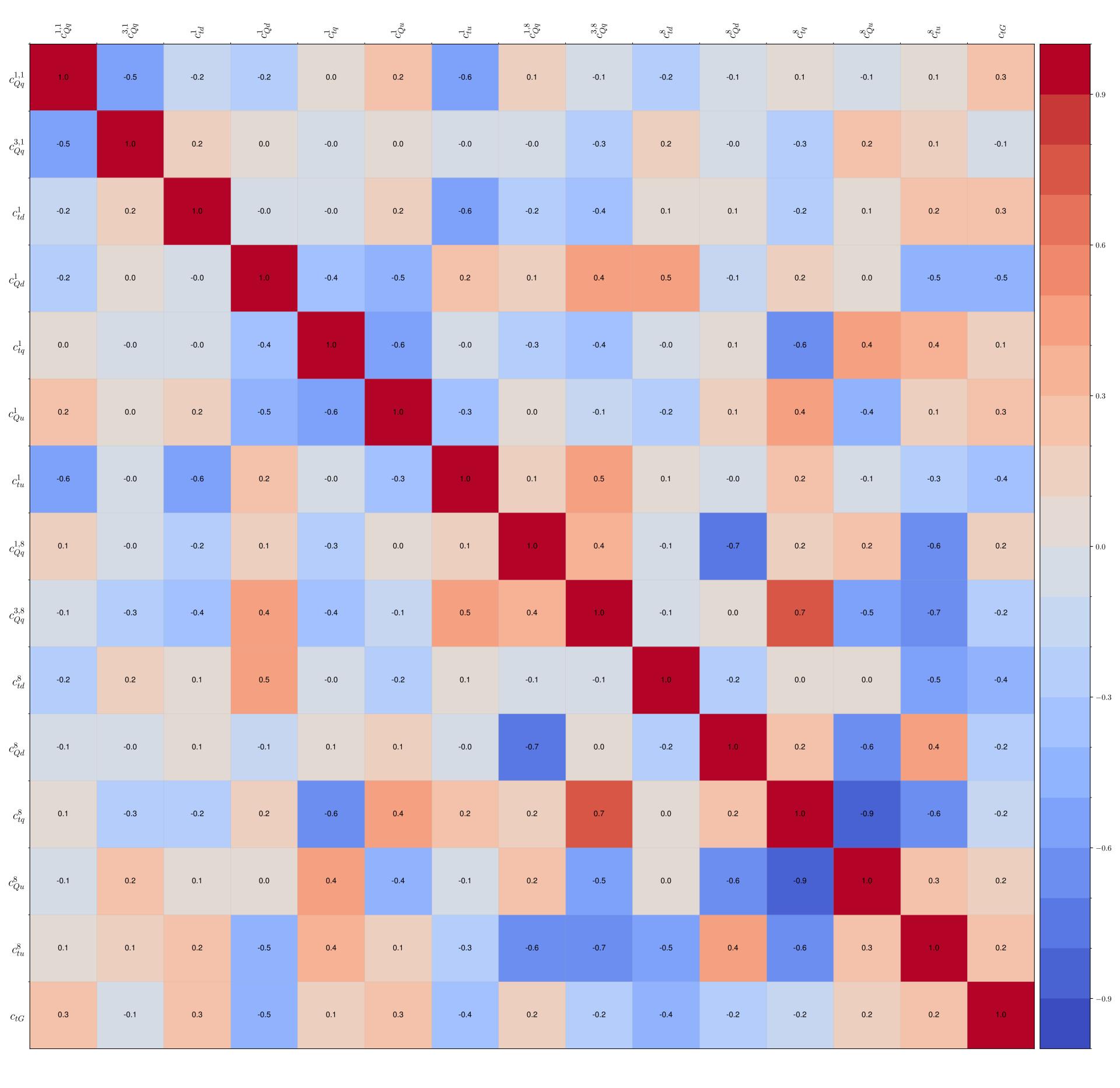
Table 2: χ^2 table for grouped data. In parenthesis is the total SM χ^2 for the dataset included in the fit. The SM column refers to all the datasets available in the group











Correlation: old

