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

Table 1: Coefficient comparison

Type	Datasets	old	new
tt	$CMS_{tt_1}3TeV_{jets_inc}$	<b>√</b>	✓

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	$N_{ m data}$	$\chi^2/N_{\rm data}$	$\chi^2/N_{data}$	$\chi^2/N_{data}$
CMS_tt_13TeV_ljets_inc	1	0.218	42.821	43.468
Total			42.821 (0.218)	43.468 (0.218)

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

		old	new		
Process	$N_{ m data}$	$\chi^2/N_{\rm data}$	$N_{ m data}$	$\chi^2/N_{\rm data}$	
tt	1.0	42.821 (0.218)	1.0	43.468 (0.218)	
Total	1.0	42.821 (0.218)	1.0	43.468 (0.218)	

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





