		NS		MC	
Class	Coefficients	Fitted	Fixed	Fitted	Fixed
STXS	$c_{2q2l}^{[1]}$	✓		✓	
	$c_{2q2l}^{[2]}$	✓		✓	
	$c_{2q2l}^{[3]}$	✓		✓	
	$c_{2q2l}^{[4]}$	✓		✓	
	$c_{4q}^{[1]}$	✓		✓	
	$c_{HB,HW,HWB,HD,tW,tB}^{[1]}$	✓		✓	
	$c_{HB,HW,HWB,HD,tW,tB}^{[2]}$	✓		✓	
	$c_{HB,HW,HWB,HD,tW,tB}^{[3]}$	✓		✓	
	$c_{HB,HW,HWB,HD,tW,tB}^{[4]}$	✓		✓	
	c_{HG}	✓		✓	
	$c_{uH,dH,H\Box}^{[1]}$	✓		✓	
	$c_{Hq^{(3)}}$	✓		✓	
	$c_{Hl^{(1)},He}^{[1]}$	✓		✓	
	$c_{Hl^{(1)},He}^{[2]}$	✓		✓	
	$c_{Hl^{(3)},ll^{(1)}}^{[1]}$	✓		✓	
	$c_{Hl^{(3)},ll^{(1)}}^{[2]}$	✓		✓	
	$c_{Hu,Hd,Ht,Hq^{(1)}}^{[1]}$	✓		✓	
	$c_{Hu,Hd,Ht,Hq^{(1)}}^{[2]}$	✓		✓	
	c_W	✓		✓	
	c_{bH}	✓		✓	
	c_{eH}	✓		✓	
	c_{tG}	✓		✓	
	c_{tH}	✓		✓	
	$c_{top}^{[1]}$	✓		✓	
	Number fitted coefficients	24		24	

Table 1: Coefficient comparison

Type	Datasets	NS	MC
STXS	STXS_2020_no_LEP	✓	✓

Table 1: Dataset comparison

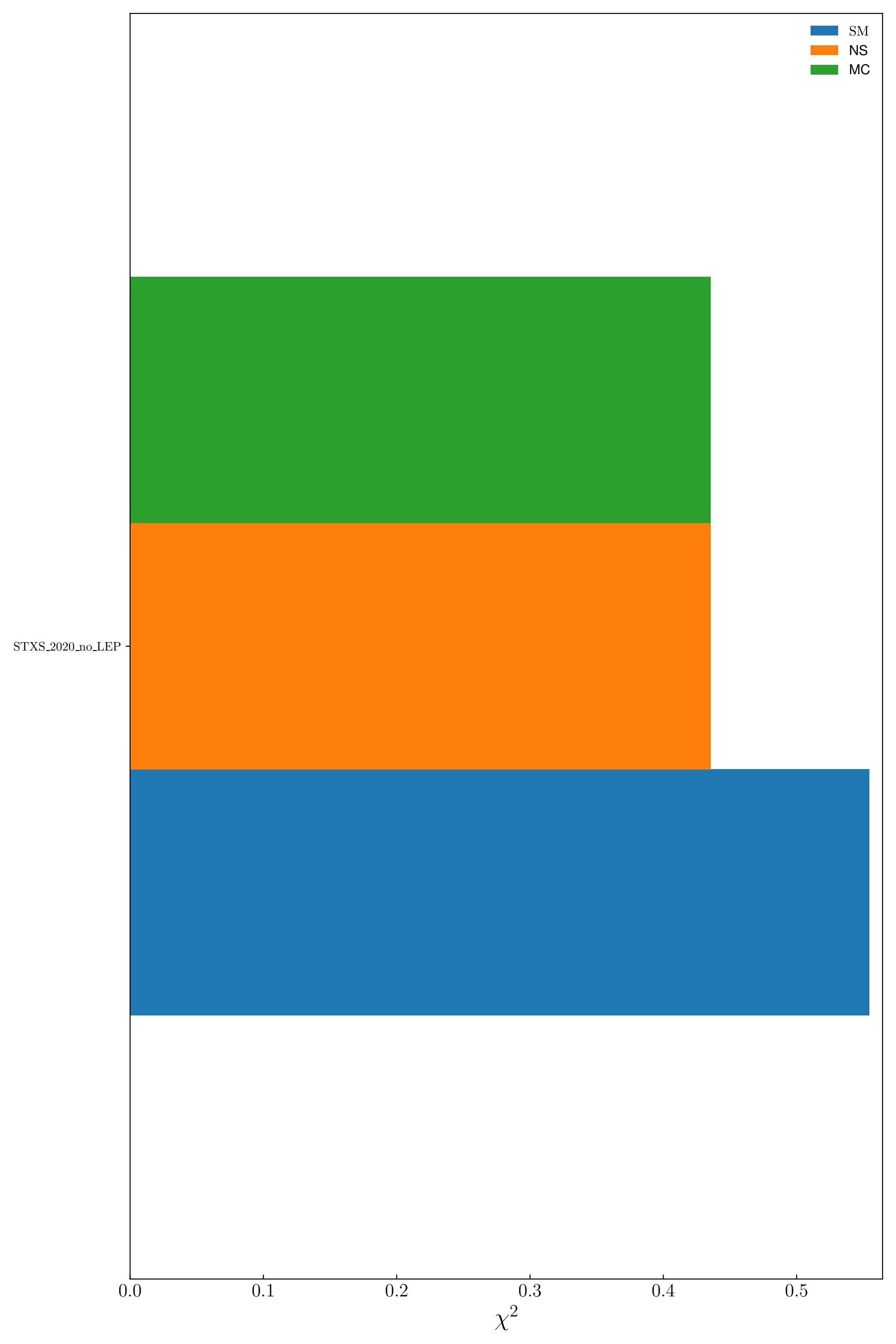
χ^2 table. Blue color text represents a value that is lower than the SM χ^2 by more than one standard deviation of the χ^2 distribution. Similarly, red color text represents values that are higher than the SM χ^2 by more than one standard deviation. In parenthesis is the total SM χ^2 for the dataset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

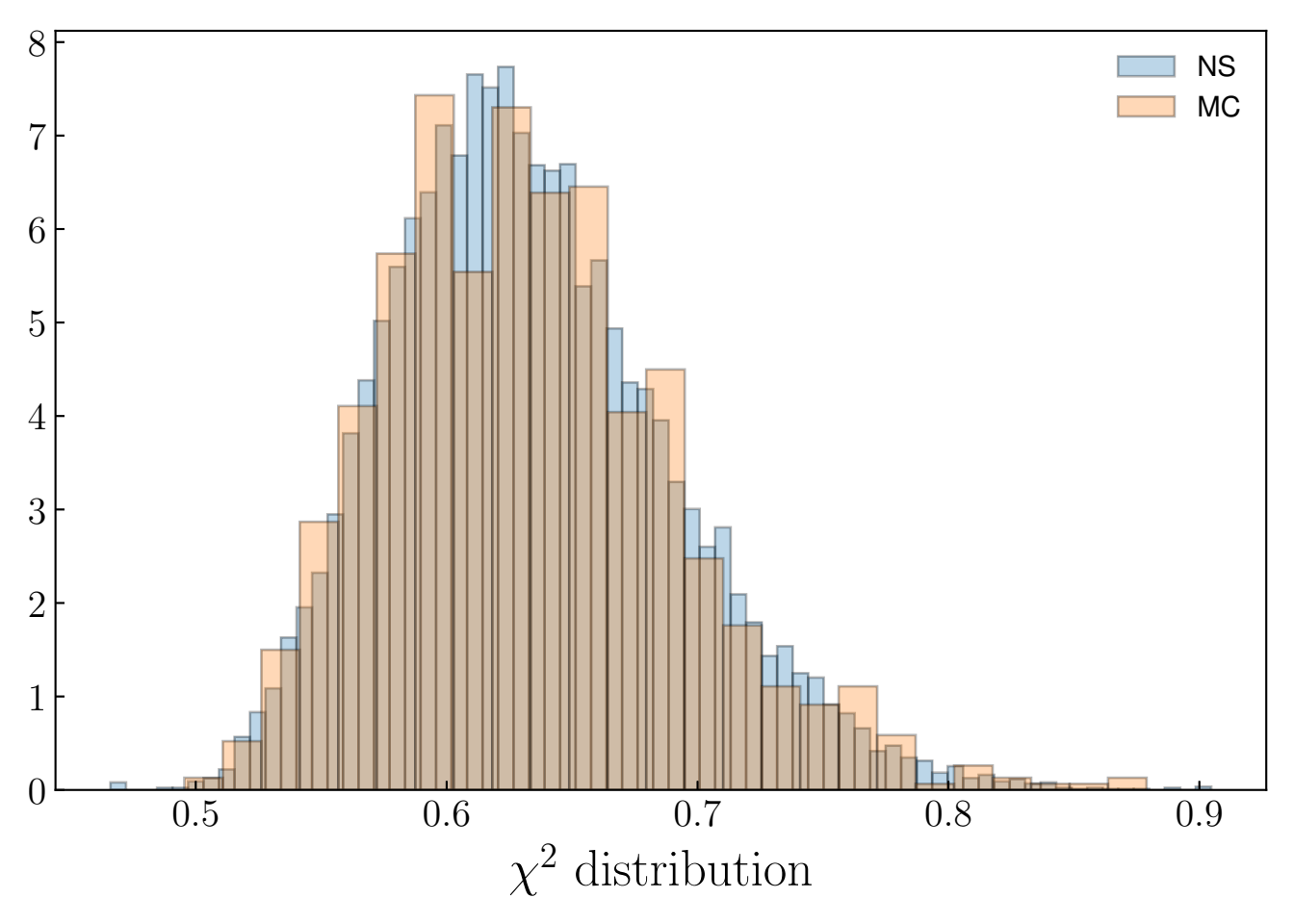
		SM	NS	MC
Process	N_{data}	χ^2/N_{data}	χ^2/N_{data}	χ^2/N_{data}
STXS_2020_no_LEP	120	0.554	0.435	0.436
Total			0.435 (0.554)	0.436 (0.554)

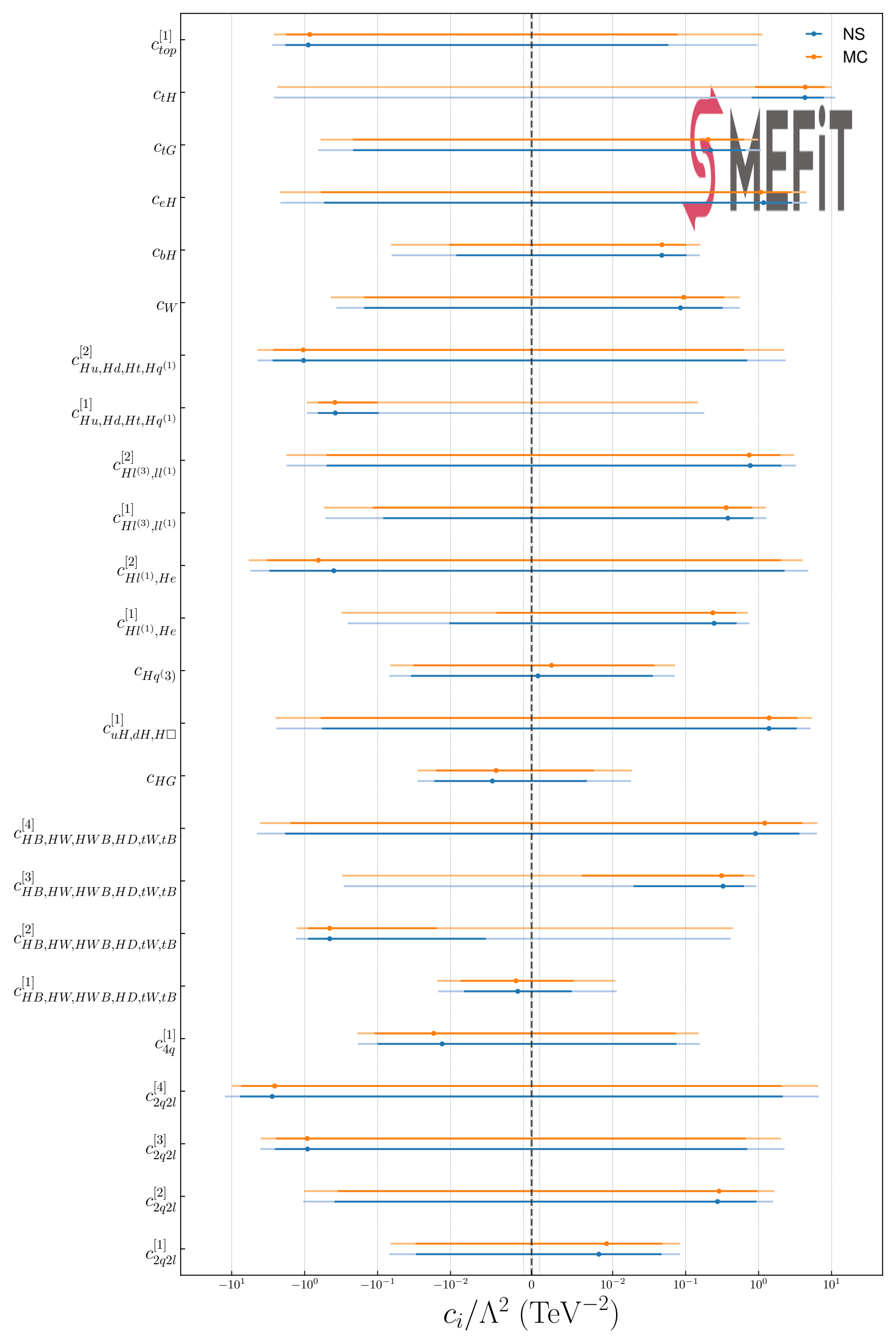
Table 1: χ^2 table for STXS data

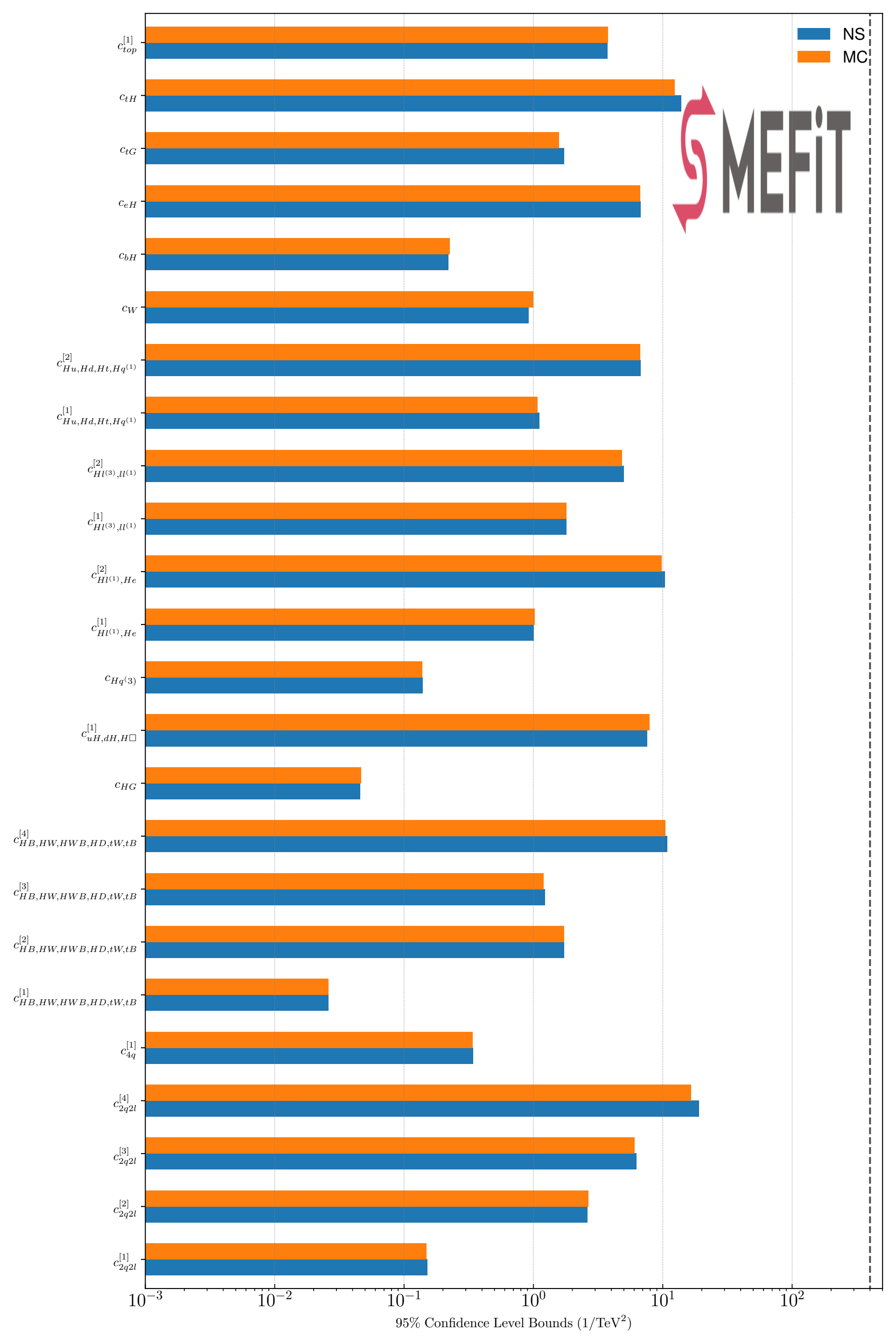
	NS		MC	
Process	N_{data}	χ^2/N_{data}	N_{data}	χ^2/N_{data}
STXS	120	0.435 (0.554)	120	0.436 (0.554)
Total	120	0.435 (0.554)	120	0.436 (0.554)

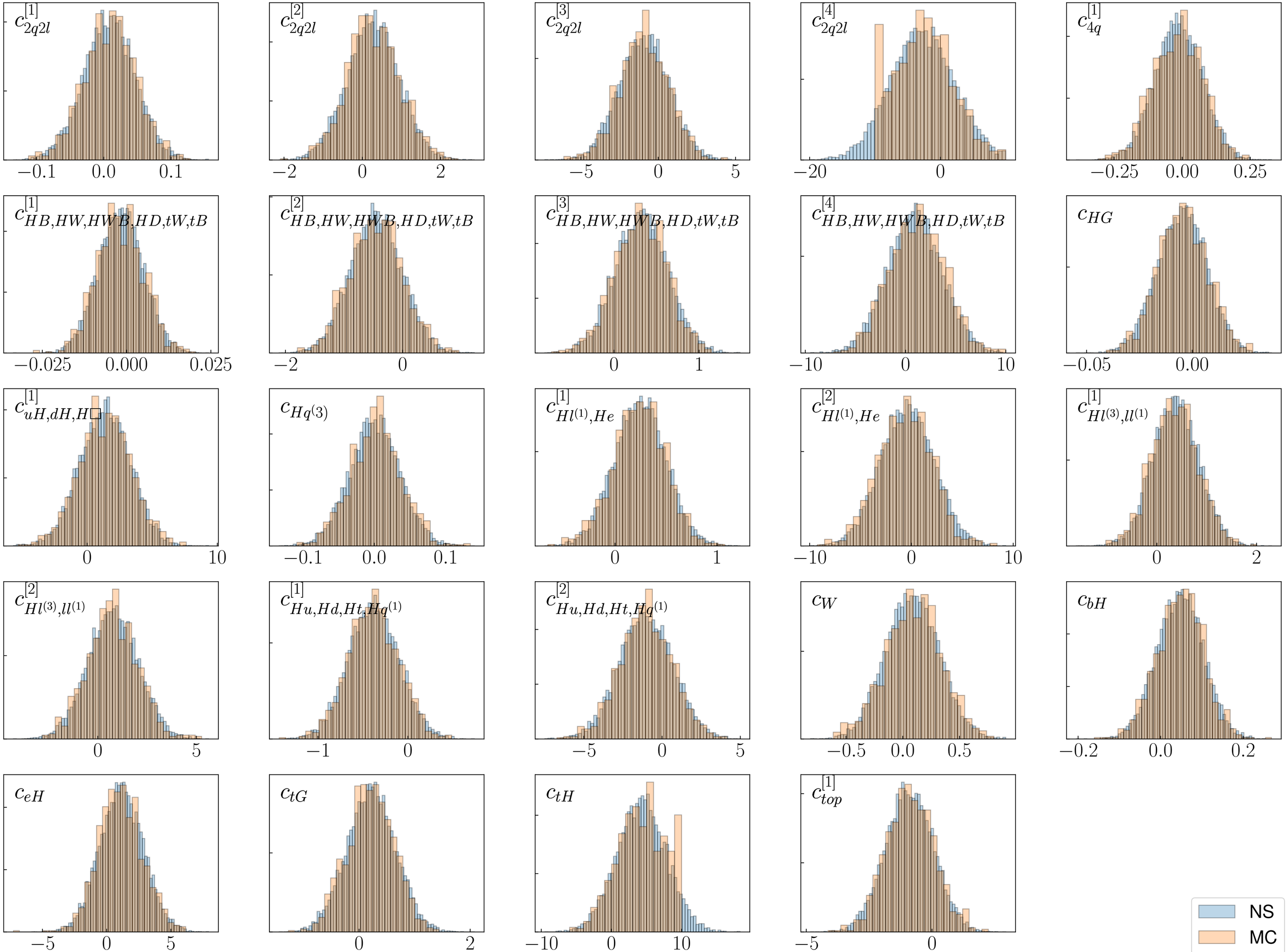
Table 2: χ^2 table for grouped data. In parenthesis is the total SM χ^2 for the dataset included in the fit. The SM column refers to all the datasets available in the group


SM
NS
MC
STXS_2020_no_LEP
0.0
0.1
0.2
0.3
0.4
0.5
χ^2


NS
MC
0
1
2
3
4
5
6
7
8
0.5
0.6
0.7
0.8
0.9
χ^2 distribution

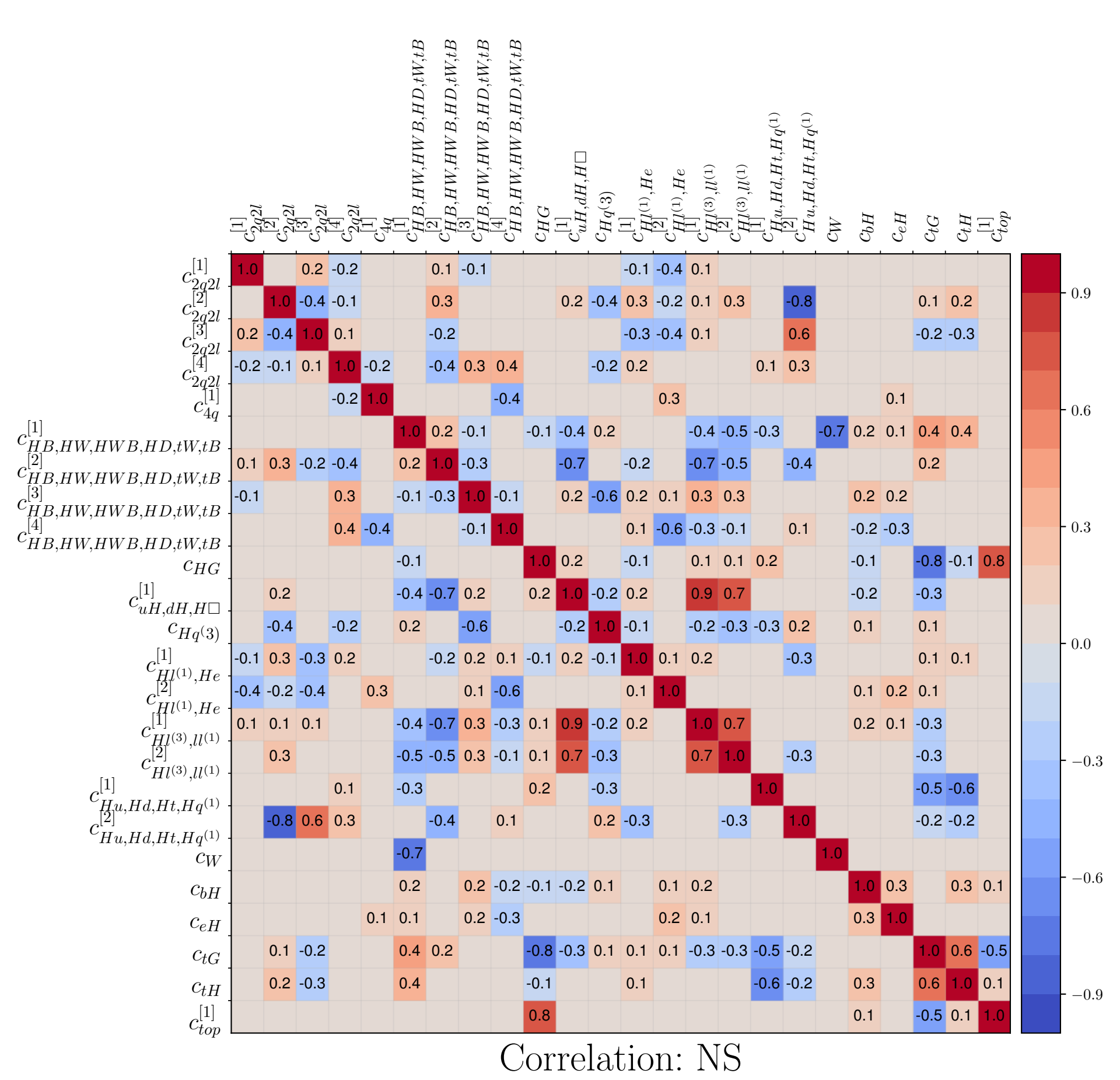

NS
MC
SMEFiT
$c_{top}^{[1]}$
c_{tH}
c_{tG}
c_{eH}
c_{bH}
c_{W}
$c_{Hu,Hd,Ht,Hq^{(1)}}^{[2]}$
$c_{Hu,Hd,Ht,Hq^{(1)}}^{[1]}$
$c_{Hl^{(3)},ll^{(1)}}^{[2]}$
$c_{Hl^{(3)},ll^{(1)}}^{[1]}$
$c_{Hl^{(1)},He}^{[2]}$
$c_{Hl^{(1)},He}^{[1]}$
$c_{Hq(3)}$
$c_{uH,dH,H\Box}^{[1]}$
c_{HG}
$c_{HB,HW,HWB,HD,tW,tB}^{[4]}$
$c_{HB,HW,HWB,HD,tW,tB}^{[3]}$
$c_{HB,HW,HWB,HD,tW,tB}^{[2]}$
$c_{HB,HW,HWB,HD,tW,tB}^{[1]}$
$c_{4q}^{[1]}$
$c_{2q2l}^{[4]}$
$c_{2q2l}^{[3]}$
$c_{2q2l}^{[2]}$
$c_{2q2l}^{[1]}$
-10^{1}
-10^{0}
-10^{-1}
-10^{-2}
0
10^{-2}
10^{-1}
10^{0}
10^{1}
c_i/Λ^2 (TeV^{-2})


NS
MC
SMEFiT
$c_{top}^{[1]}$
c_{tH}
c_{tG}
c_{eH}
c_{bH}
c_{W}
$c_{Hu,Hd,Ht,Hq^{(1)}}^{[2]}$
$c_{Hu,Hd,Ht,Hq^{(1)}}^{[1]}$
$c_{Hl^{(3)},ll^{(1)}}^{[2]}$
$c_{Hl^{(3)},ll^{(1)}}^{[1]}$
$c_{Hl^{(1)},He}^{[2]}$
$c_{Hl^{(1)},He}^{[1]}$
$c_{Hq^{(3)}}$
$c_{uH,dH,H\Box}^{[1]}$
c_{HG}
$c_{HB,HW,HWB,HD,tW,tB}^{[4]}$
$c_{HB,HW,HWB,HD,tW,tB}^{[3]}$
$c_{HB,HW,HWB,HD,tW,tB}^{[2]}$
$c_{HB,HW,HWB,HD,tW,tB}^{[1]}$
$c_{4q}^{[1]}$
$c_{2q2l}^{[4]}$
$c_{2q2l}^{[3]}$
$c_{2q2l}^{[2]}$
$c_{2q2l}^{[1]}$
10^{-3}
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
95% Confidence Level Bounds ($1/\mathrm{TeV}^2$)

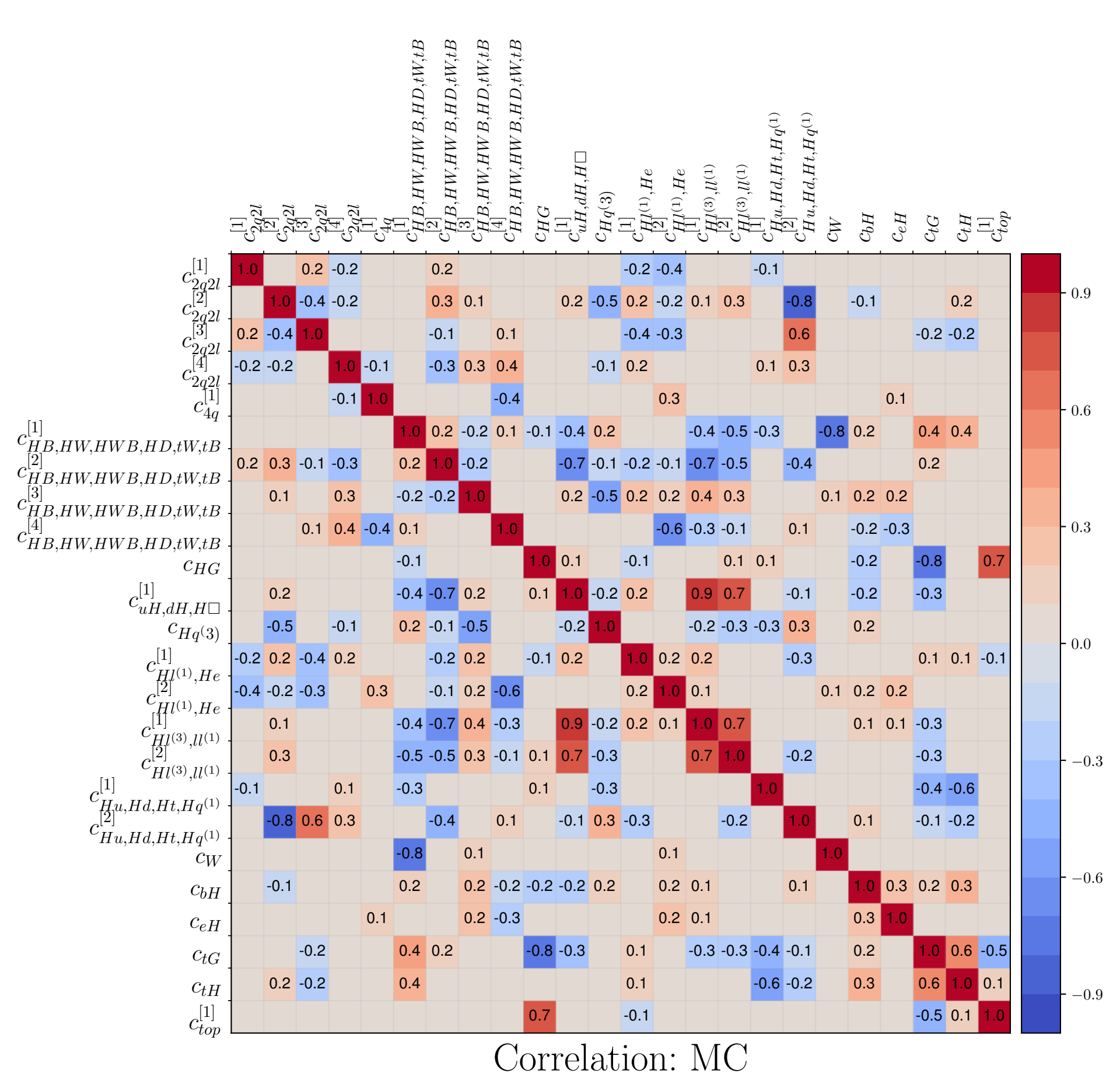

$c^{[1]}_{2q2l}$
$c^{[2]}_{2q2l}$
$c^{[3]}_{2q2l}$
$c^{[4]}_{2q2l}$
$c^{[1]}_{4q}$
$c^{[1]}_{HB,HW,HWB,HD,tW,tB}$
$c^{[2]}_{HB,HW,HWB,HD,tW,tB}$
$c^{[3]}_{HB,HW,HWB,HD,tW,tB}$
$c^{[4]}_{HB,HW,HWB,HD,tW,tB}$
c_{HG}
$c^{[1]}_{uH,dH,H\Box}$
$c_{Hq^{(3)}}$
$c^{[1]}_{Hl^{(1)},He}$
$c^{[2]}_{Hl^{(1)},He}$
$c^{[1]}_{Hl^{(3)},ll^{(1)}}$
$c^{[2]}_{Hl^{(3)},ll^{(1)}}$
$c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$
$c^{[2]}_{Hu,Hd,Ht,Hq^{(1)}}$
c_W
c_{bH}
c_{eH}
c_{tG}
c_{tH}
$c^{[1]}_{top}$
NS
MC

		NS			MC		
Class	Coefficients	best	68% CL Bounds	95% CL Bounds	best	68% CL Bounds	95% CL Bounds
STXS	$c_{2q2l}^{[1]}$	0.008	[-0.030,0.047]	[-0.069,0.083]	0.009	[-0.030,0.048]	[-0.066,0.083]
	$c_{2q2l}^{[2]}$	0.274	[-0.388,0.936]	[-1.047,1.575]	0.287	[-0.351,0.965]	[-1.021,1.635]
	$c_{2q2l}^{[3]}$	-0.913	[-2.542,0.697]	[-4.020,2.262]	-0.921	[-2.488,0.668]	[-4.011,2.040]
	$c_{2q2l}^{[4]}$	-2.785	[-7.675,2.145]	[-12.300,6.722]	-2.580	[-7.451,2.059]	[-9.997,6.531]
	$c_{4q}^{[1]}$	-0.013	[-0.101,0.075]	[-0.185,0.157]	-0.017	[-0.110,0.073]	[-0.189,0.150]
	$c_{HB,HW,HWB,HD,tW,tB}^{[1]}$	-0.002	[-0.008,0.005]	[-0.015,0.011]	-0.002	[-0.009,0.005]	[-0.015,0.011]
	$c_{HB,HW,HWB,HD,tW,tB}^{[2]}$	-0.453	[-0.896,-0.006]	[-1.317,0.418]	-0.453	[-0.905,-0.015]	[-1.278,0.446]
	$c_{HB,HW,HWB,HD,tW,tB}^{[3]}$	0.326	[0.019,0.632]	[-0.291,0.942]	0.310	[0.006,0.619]	[-0.306,0.895]
	$c_{HB,HW,HWB,HD,tW,tB}^{[4]}$	0.908	[-1.852,3.632]	[-4.479,6.335]	1.213	[-1.571,3.963]	[-4.072,6.383]
	c_{HG}	-0.005	[-0.017,0.007]	[-0.028,0.018]	-0.004	[-0.016,0.008]	[-0.028,0.018]
	$c_{uH,dH,H\Box}^{[1]}$	1.388	[-0.581,3.335]	[-2.434,5.170]	1.391	[-0.603,3.394]	[-2.508,5.419]
	$c_{Hq^{(3)}}$	0.001	[-0.035,0.036]	[-0.069,0.071]	0.002	[-0.032,0.038]	[-0.067,0.072]
	$c_{Hl^{(1)},He}^{[1]}$	0.246	[-0.010,0.499]	[-0.257,0.750]	0.236	[-0.004,0.494]	[-0.313,0.713]
	$c_{Hl^{(1)},He}^{[2]}$	-0.399	[-3.049,2.263]	[-5.580,4.790]	-0.649	[-3.289,2.035]	[-5.830,4.008]
	$c_{Hl^{(3)},ll^{(1)}}^{[1]}$	0.380	[-0.084,0.842]	[-0.519,1.286]	0.358	[-0.116,0.819]	[-0.546,1.254]
	$c_{Hl^{(3)},ll^{(1)}}^{[2]}$	0.769	[-0.498,2.053]	[-1.764,3.263]	0.744	[-0.504,1.988]	[-1.784,3.080]
	$c_{Hu,Hd,Ht,Hq^{(1)}}^{[1]}$	-0.380	[-0.657,-0.096]	[-0.929,0.180]	-0.384	[-0.651,-0.100]	[-0.934,0.147]
	$c_{Hu,Hd,Ht,Hq^{(1)}}^{[2]}$	-1.034	[-2.745,0.701]	[-4.440,2.340]	-1.042	[-2.682,0.633]	[-4.424,2.247]
	c_{W}	0.085	[-0.153,0.322]	[-0.368,0.556]	0.094	[-0.153,0.339]	[-0.436,0.559]
	c_{bH}	0.047	[-0.009,0.103]	[-0.064,0.156]	0.047	[-0.010,0.101]	[-0.066,0.160]
	c_{eH}	1.173	[-0.543,2.872]	[-2.148,4.592]	1.074	[-0.597,2.818]	[-2.184,4.516]
	c_{tG}	0.220	[-0.217,0.661]	[-0.653,1.080]	0.204	[-0.218,0.635]	[-0.604,0.981]
	c_{tH}	4.317	[0.803,7.850]	[-2.646,11.229]	4.356	[0.900,8.109]	[-2.370,9.996]
	$c_{top}^{[1]}$	-0.892	[-1.838,0.058]	[-2.781,0.970]	-0.851	[-1.803,0.078]	[-2.639,1.126]

Table 1: Coefficient comparison



Correlation: NS


$c^{[1]}_{2q2l}$ $c^{[2]}_{2q2l}$ $c^{[3]}_{2q2l}$ $c^{[4]}_{2q2l}$ $c^{[1]}_{4q}$ $c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $c^{[2]}_{HB,HW,HWB,HD,tW,tB}$ $c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ c_{HG} $c^{[1]}_{uH,dH,H\Box}$ $c_{Hq(3)}$ $c^{[1]}_{Hl^{(1)},He}$ $c^{[2]}_{Hl^{(1)},He}$ $c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $c^{[2]}_{Hu,Hd,Ht,Hq^{(1)}}$ c_W c_{bH} c_{eH} c_{tG} c_{tH} $c^{[1]}_{top}$
0.9
0.6
0.3
0.0
−0.3
−0.6
−0.9
Correlation: MC

Principal Components Analysis: NS

PC 1 (3.97e+05): $-0.770c^{[2]}_{Hl^{(1)},He} +0.633c^{[2]}_{Hu,Hd,Ht,Hq^{(1)}} -0.074c^{[4]}_{2q2l} -0.029c^{[2]}_{2q2l} +0.013c^{[1]}_{4q}$

PC 2 (1.71e+05): $+0.773c^{[2]}_{Hu,Hd,Ht,Hq^{(1)}} +0.633c^{[2]}_{Hl^{(1)},He} +0.033c^{[4]}_{2q2l} +0.020c^{[2]}_{2q2l} +0.015c^{[1]}_{4q}$

PC 3 (2.64e+03): $-0.983c_{Hq^{(3)}} +0.145c^{[4]}_{2q2l} -0.063c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.062c^{[1]}_{2q2l} -0.048c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} -0.046c^{[2]}_{HB,HW,HWB,HD,tW,tB}$
$-0.016c_{tG} -0.014c^{[1]}_{uH,dH,H\Box} +0.013c^{[4]}_{HB,HW,HWB,HD,tW,tB} -0.011c^{[2]}_{Hl^{(1)},He}$

PC 4 (9.76e+02): $-0.990c^{[1]}_{2q2l} -0.105c^{[4]}_{2q2l} +0.059c^{[4]}_{HB,HW,HWB,HD,tW,tB} +0.047c_{Hq^{(3)}} +0.044c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.011c^{[2]}_{Hl^{(1)},He}$

PC 5 (7.56e+02): $-0.965c^{[4]}_{2q2l} +0.162c^{[4]}_{HB,HW,HWB,HD,tW,tB} -0.146c_{Hq^{(3)}} +0.105c^{[1]}_{2q2l} +0.078c^{[2]}_{Hl^{(1)},He} -0.044c^{[1]}_{Hl^{(1)},He}$
$-0.033c^{[2]}_{2q2l} -0.022c^{[2]}_{Hu,Hd,Ht,Hq^{(1)}} -0.018c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.012c^{[2]}_{HB,HW,HWB,HD,tW,tB} -0.011c^{[2]}_{Hl^{(3)},ll^{(1)}}$

PC 6 (1.59e+02): $-0.999c_{W} +0.028c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.026c^{[1]}_{4q} -0.018c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.014c^{[1]}_{Hl^{(3)},ll^{(1)}} +0.013c^{[1]}_{uH,dH,H\Box} +0.011c^{[1]}_{HB,HW}$

PC 7 (6.85e+01): $-0.699c^{[1]}_{uH,dH,H\Box} -0.562c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.265c^{[2]}_{HB,HW,HWB,HD,tW,tB} +0.246c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.157c^{[3]}_{HB,HW,HWB,H}$
$-0.136c^{[1]}_{HB,HW,HWB,HD,tW,tB} -0.121c^{[4]}_{HB,HW,HWB,HD,tW,tB} +0.050c^{[2]}_{2q2l} -0.046c_{tG} -0.034c_{W} -0.031c^{[1]}_{2q2l} +0.023c^{[1]}_{Hl^{(1)},He}$
$-0.011c_{bH} -0.011c^{[4]}_{2q2l} +0.010c_{Hq^{(3)}}$

PC 8 (4.57e+01): $+0.862c^{[4]}_{HB,HW,HWB,HD,tW,tB} -0.369c^{[1]}_{uH,dH,H\Box} -0.168c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.152c^{[2]}_{HB,HW,HWB,HD,tW,tB} +0.150c^{[4]}_{2q2l}$
$+0.135c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} -0.108c^{[1]}_{Hl^{(1)},He} -0.078c^{[3]}_{HB,HW,HWB,HD,tW,tB} +0.049c_{Hq^{(3)}} +0.047c^{[1]}_{2q2l} -0.042c_{eH} -0.040c^{[2]}_{2q2l} +0.039c^{[1]}_{Hl^{(3)},}$
$+0.031c_{tG} -0.013c_{tH} +0.011c_{HG} +0.010c_{bH}$

PC 9 (3.41e+01): $+0.827c^{[2]}_{2q2l} +0.441c^{[2]}_{HB,HW,HWB,HD,tW,tB} +0.242c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.197c^{[1]}_{top} +0.085c^{[4]}_{HB,HW,HWB,HD,tW,tB}$
$+0.072c^{[1]}_{Hl^{(1)},He} +0.064c^{[1]}_{HB,HW,HWB,HD,tW,tB} -0.039c_{Hq^{(3)}} -0.039c_{tH} -0.030c^{[1]}_{4q} -0.029c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.028c^{[2]}_{Hl^{(1)},He} +0.026c^{[3]}_{HB,HW,}$
$-0.023c_{eH} -0.013c^{[4]}_{2q2l} -0.013c^{[1]}_{Hl^{(3)},ll^{(1)}} -0.013c_{HG}$

PC 10 (2.38e+01): $+0.585c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.531c^{[2]}_{HB,HW,HWB,HD,tW,tB} -0.421c^{[2]}_{2q2l} +0.318c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.179c^{[1]}_{uH,dH,H\Box}$
$-0.155c^{[1]}_{top} -0.104c_{tG} +0.099c^{[1]}_{Hl^{(1)},He} +0.078c_{tH} -0.067c_{Hq^{(3)}} +0.065c^{[1]}_{HB,HW,HWB,HD,tW,tB} -0.045c^{[3]}_{HB,HW,HWB,HD,tW,tB}$
$-0.041c_{eH} -0.028c^{[1]}_{4q} -0.022c^{[4]}_{HB,HW,HWB,HD,tW,tB} -0.020c^{[3]}_{2q2l} +0.017c^{[1]}_{2q2l} +0.015c^{[4]}_{2q2l} +0.014c^{[2]}_{Hl^{(1)},He}$

PC 11 (1.96e+01): $-0.609c^{[2]}_{HB,HW,HWB,HD,tW,tB} +0.605c^{[2]}_{Hl^{(3)},ll^{(1)}} +0.302c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.230c^{[2]}_{2q2l} -0.195c^{[1]}_{uH,dH,H\Box}$
$-0.188c_{tG} -0.101c^{[1]}_{4q} +0.095c^{[1]}_{Hl^{(1)},He} +0.094c^{[1]}_{top} -0.088c^{[4]}_{HB,HW,HWB,HD,tW,tB} -0.050c^{[1]}_{HB,HW,HWB,HD,tW,tB} -0.045c_{tH}$
$-0.041c^{[3]}_{HB,HW,HWB,HD,tW,tB} -0.039c^{[4]}_{2q2l} -0.029c_{Hq^{(3)}} -0.019c^{[3]}_{2q2l} +0.014c^{[1]}_{2q2l} +0.014c^{[1]}_{Hl^{(3)},ll^{(1)}}$

PC 12 (1.77e+01): $-0.993c^{[1]}_{4q} -0.078c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.048c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} -0.037c^{[2]}_{2q2l} +0.033c_{tG} +0.030c^{[3]}_{HB,HW,HWB,HD,tW,tB}$
$+0.030c^{[2]}_{HB,HW,HWB,HD,tW,tB} -0.026c_{W} -0.023c^{[1]}_{Hl^{(1)},He} +0.019c^{[2]}_{Hu,Hd,Ht,Hq^{(1)}} +0.011c^{[1]}_{HB,HW,HWB,HD,tW,tB}$

PC 13 (1.23e+01): $+0.593c_{tG} -0.457c^{[1]}_{uH,dH,H\Box} -0.347c^{[2]}_{Hl^{(3)},ll^{(1)}} -0.337c^{[4]}_{HB,HW,HWB,HD,tW,tB} +0.282c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}} +0.256c^{[1]}_{H}$
$-0.193c^{[2]}_{HB,HW,HWB,HD,tW,tB} +0.106c^{[1]}_{Hl^{(1)},He} -0.066c^{[4]}_{2q2l} -0.055c_{eH} +0.038c^{[3]}_{HB,HW,HWB,HD,tW,tB} +0.027c^{[1]}_{4q} +0.024c_{HG}$

$+0.018c_W$ $+0.018c^{[3]}_{2q2l}$ $+0.012c_{bH}$ $-0.012c^{[1]}_{Hl^{(3)},ll^{(1)}}$

PC 14 (9.29e+00): $+0.670c_{tG}$ $+0.544c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $+0.265c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.261c^{[1]}_{uH,dH,H\Box}$ $+0.219c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ $-0.199c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $+0.090c^{[2]}_{HB,HW,HWB,HD,tW,tB}$ $-0.084c^{[1]}_{Hl^{(1)},He}$ $-0.082c_{eH}$ $-0.053c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $-0.036c_{Hq^{(3)}}$ $+0.035c^{[4]}_{2q2l}$ $-0.029c_{bH}$ $-0.022c_{HG}$ $-0.020c^{[3]}_{2q2l}$ $-0.011c^{[1]}_{2q2l}$

PC 15 (2.01e+00): $-0.781c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $+0.437c^{[1]}_{Hl^{(1)},He}$ $-0.280c_{eH}$ $-0.176c_{HG}$ $-0.160c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $+0.134c^{[1]}_{uH,dH,H\Box}$ $-0.119c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $+0.105c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.101c^{[1]}_{top}$ $-0.059c^{[3]}_{2q2l}$ $-0.053c_{tG}$ $-0.043c^{[2]}_{HB,HW,HWB,HD,tW,tB}$ $-0.032c^{[1]}_{Hu,Hd,Ht,H}$ $-0.031c^{[2]}_{2q2l}$ $-0.022c^{[1]}_{4q}$ $-0.021c^{[4]}_{2q2l}$ $+0.015c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ $+0.011c_{tH}$

PC 16 (1.49e+00): $+0.647c_{eH}$ $-0.476c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $-0.312c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $+0.296c_{HG}$ $+0.269c_{tG}$ $+0.166c^{[1]}_{top}$ $+0.165c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $+0.121c^{[1]}_{Hl^{(1)},He}$ $+0.116c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $-0.073c^{[3]}_{2q2l}$ $+0.069c^{[1]}_{uH,dH,H\Box}$ $+0.039c^{[2]}_{HB,HW,HWB,HD,tW,tB}$ $-0.033c^{[2]}_{2q2l}$ $-0.016c^{[1]}_{4q}$ $+0.015c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ $-0.014c_{bH}$ $-0.014c_{tH}$

PC 17 (1.03e+00): $-0.940c^{[1]}_{top}$ $+0.259c^{[2]}_{2q2l}$ $+0.133c_{eH}$ $-0.131c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $+0.083c^{[1]}_{Hl^{(1)},He}$ $-0.056c^{[2]}_{HB,HW,HWB,HD,tW,}$ $-0.043c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.037c_{tG}$ $+0.026c^{[1]}_{uH,dH,H\Box}$ $+0.025c_{tH}$ $-0.015c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $+0.014c^{[3]}_{2q2l}$

PC 18 (4.11e-01): $-0.913c^{[3]}_{2q2l}$ $-0.287c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $+0.182c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.175c_{eH}$ $+0.085c_{tH}$ $+0.077c^{[3]}_{HB,HW,HWB,HD,tW,t}$ $-0.059c_{tG}$ $-0.034c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $-0.029c^{[1]}_{uH,dH,H\Box}$ $+0.025c_{bH}$ $-0.024c^{[1]}_{Hl^{(1)},He}$ $+0.018c_{HG}$ $-0.016c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $-0.014c^{[2]}_{HB,HW,HWB,HD}$

PC 19 (3.73e-01): $+0.593c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $+0.556c_{HG}$ $+0.385c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.314c^{[1]}_{Hl^{(1)},He}$ $-0.173c_{bH}$ $-0.155c_{tG}$ $-0.114c^{[1]}_{Hu,H}$ $-0.113c^{[3]}_{2q2l}$ $-0.092c_{eH}$ $+0.039c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $+0.035c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ $-0.023c^{[1]}_{top}$ $+0.021c^{[1]}_{uH,dH,H\Box}$ $-0.013c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $-0.012c_{tH}$

PC 20 (2.37e-01): $+0.626c_{eH}$ $+0.554c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.320c^{[3]}_{2q2l}$ $+0.213c_{tH}$ $-0.198c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $-0.180c_{HG}$ $+0.169c^{[1]}_{Hl^{(1)},He}$ $-0.163c_{tG}$ $-0.087c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $+0.076c^{[1]}_{top}$ $+0.071c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ $-0.062c_{bH}$ $-0.040c^{[1]}_{uH,dH,H\Box}$ $-0.028c^{[2]}_{HB,HW,HWB,HD,tW}$ $-0.023c^{[2]}_{2q2l}$ $+0.023c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $+0.019c^{[2]}_{Hl^{(3)},ll^{(1)}}$

PC 21 (1.83e-01): $-0.775c^{[1]}_{Hl^{(1)},He}$ $-0.477c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ $+0.271c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $-0.168c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ $+0.140c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $+0.134c_{HG}$ $-0.118c_{tG}$ $+0.096c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $+0.057c^{[2]}_{2q2l}$ $+0.057c_{eH}$ $-0.031c_{bH}$ $-0.029c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $+0.024c_{tH}$ $-0.018c^{[1]}_{uH,dH,H\Box}$

PC 22 (9.13e-02): $-0.678c_{HG}$ $+0.606c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $-0.260c_{bH}$ $+0.235c_{tH}$ $-0.191c^{[3]}_{2q2l}$ $-0.069c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.067c_{eH}$ $+0.040c_{tG}$ $-0.027c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $-0.026c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ $+0.021c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $+0.021c^{[2]}_{2q2l}$ $-0.015c^{[2]}_{HB,HW,HWB,HD,tW,tB}$ $+0.010c^{[1]}_{top}$ $-0.010c^{[1]}_{Hl^{(1)},He}$

PC 23 (7.47e-02): $-0.937c_{tH}$ $-0.213c_{HG}$ $+0.163c_{eH}$ $-0.133c_{bH}$ $+0.131c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $-0.070c^{[2]}_{2q2l}$ $+0.054c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $-0.054c^{[3]}_{2q2l}$ $+0.043c^{[2]}_{HB,HW,HWB,HD,tW,tB}$ $-0.041c_{tG}$ $-0.032c^{[1]}_{top}$ $+0.015c^{[1]}_{Hl^{(1)},He}$ $-0.014c^{[1]}_{uH,dH,H\Box}$

PC 24 (3.76e-02): $+0.937c_{bH}$ $+0.288c^{[1]}_{Hl^{(3)},ll^{(1)}}$ $-0.119c_{HG}$ $+0.106c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ $+0.075c_{eH}$ $-0.057c_{tH}$ $+0.040c^{[1]}_{Hl^{(1)},He}$ $-0.037c^{[3]}_{2q2l}$ $-0.032c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ $-0.021c_{tG}$ $+0.017c^{[2]}_{Hl^{(3)},ll^{(1)}}$ $-0.012c^{[3]}_{HB,HW,HWB,HD,tW,tB}$

Singular Values

10^{4}
10^{2}
10^{0}
10^{-2}
10^{-4}

$c^{[1]}_{2q2l}$ 1.0
$c^{[2]}_{2q2l}$ 0.7 0.2
$c^{[3]}_{2q2l}$ 0.8 0.1
$c^{[4]}_{2q2l}$ 0.9
$c^{[1]}_{4q}$ 1.0
$c^{[1]}_{HB,HW,HWB,HD,tW,tB}$ 0.2 0.1 0.3
$c^{[2]}_{HB,HW,HWB,HD,tW,tB}$ 0.2 0.3 0.4
$c^{[3]}_{HB,HW,HWB,HD,tW,tB}$ 0.6 0.2
$c^{[4]}_{HB,HW,HWB,HD,tW,tB}$ 0.7 0.1
c_{HG} 0.3 0.5
$c^{[1]}_{uH,dH,H\Box}$ 0.5 0.1 0.2
$c_{Hq^{(3)}}$ 1.0
$c^{[1]}_{Hl^{(1)},He}$ 0.2 0.6
$c^{[2]}_{Hl^{(1)},He}$ 0.6 0.4
$c^{[1]}_{Hl^{(3)},ll^{(1)}}$ 0.4 0.4
$c^{[2]}_{Hl^{(3)},ll^{(1)}}$ 0.1 0.4 0.1 0.3
$c^{[1]}_{Hu,Hd,Ht,Hq^{(1)}}$ 0.3 0.3
$c^{[2]}_{Hu,Hd,Ht,Hq^{(1)}}$ 0.4 0.6
c_{W} 1.0
c_{bH} 0.9
c_{eH} 0.4 0.4
c_{tG} 0.4 0.4
c_{tH} 0.9
$c^{[1]}_{top}$ 0.9

PC 1 PC 2 PC 3 PC 4 PC 5 PC 6 PC 7 PC 8 PC 9 PC 10 PC 11 PC 12 PC 13 PC 14 PC 15 PC 16 PC 17 PC 18 PC 19 PC 20 PC 21 PC 22 PC 23 PC 24

a_i^2
1.0
0.8
0.6
0.4
0.2
0.0

PCA: NS