		HL-LHC		CLIC: 380 GeV		CLIC: 380 + 1500 GeV		CLIC: 3	380 + 1500 + 3000 Ge
Class	Coefficients	Fitted		Fitted	Fixed	Fitted	Fixed	Fitted	Fixed
	c_{carphi}	√		√		√		√	
	c_{barphi}	√		√		√		√	
	c_{tarphi}	√		√		√		√	
	$c_{ auarphi}$	✓		√		√		√	
	c_{tG}	√		√		√		√	
	c_{tW}	√		√		√		√	
	c_{tZ}	√		√		√		√	
	$c_{\varphi q}^{(3)}$	√		✓		√		√	
	$c_{\varphi q}^{(3)}$ $c_{\varphi Q}^{(3)}$ $c_{\varphi Q}^{(-)}$ $c_{\varphi q}^{(-)}$ $c_{\varphi Q}^{(-)}$	√		√		✓		√	
	$c_{\varphi q}^{(-)}$	✓		✓		√		√	
2FB	$c_{\omega Q}^{(-)}$	√		√		√		√	
	$c_{\varphi u}$	√		√		√		√	
	$c_{\varphi d}$	√		√		√		√	
	$c_{\varphi t}$	√		√		√		√	
	$c_{\varphi l_1}$	✓		√		√		√	
	$c_{\varphi l_2}$	✓		✓		√		√	
	$c_{\varphi l_3}$	✓		√		✓		√	
	$c_{\varphi l_1}^{(3)}$	✓		✓		✓		✓	
	$\begin{array}{c} c_{\varphi l_{3}} \\ c_{\varphi l_{1}} \\ c_{\varphi l_{1}} \\ c_{\varphi l_{2}} \\ c_{\varphi l_{3}} \\ c_{\varphi l_{3}} \end{array}$	✓		✓		✓		✓	
	$c_{\varphi l_3}^{(3)}$	✓		✓		✓		✓	
	$c_{arphi e}$	✓		√		√		√	
	$c_{arphi\mu}$	√		√		√		√	
	$c_{arphi au}$	√		√		✓		√	
41	c_{ll}	✓		✓		✓		✓	
	$c_{arphi G}$	√		√		✓		√	
	$c_{\varphi B}$	√		√		√		√	
	$c_{arphi W}$	√		√		√		√	
В	$c_{\varphi WB}$	√		√		√		√	
	c_{WWW}	√		√		√		√	
	c_{φ}	√		√		√		√	
	$c_{\varphi D}$	✓		✓		√		✓	
	Number fitted coefficients	31		31		31		31	

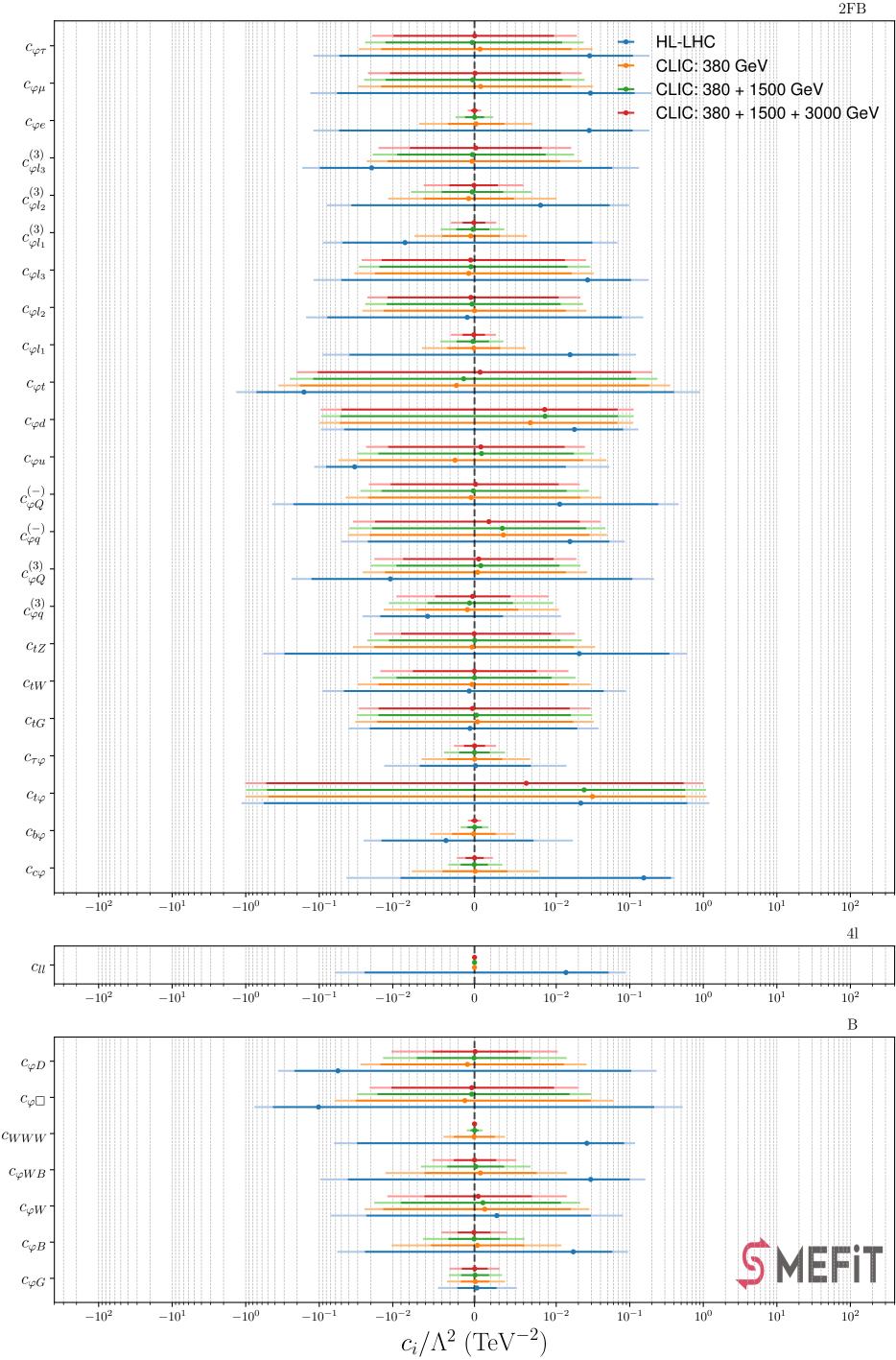
Table 1: Coefficient comparison

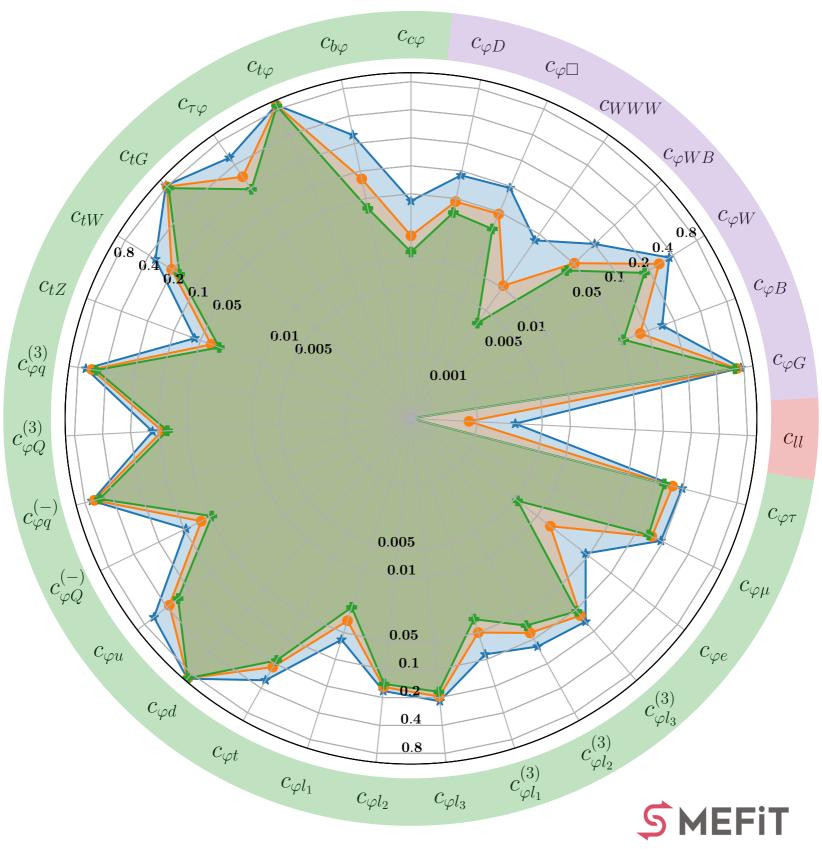
Type	Datasets	HL-LHC	CLIC: 380 GeV	CLIC: 380 + 1500 GeV	CLIC: 380 + 1500 + 3000 C
	ATLAS_ttbb_13TeV_2016	√	√	√	√
	ATLAS_tttt_13TeV_run2	√	√	√	√
	ATLAS_tttt_13TeV_slep_inc	·	-	· ✓	√
	ATLAS_tttt_13TeV_2023	 		√	√
	CMS_ttbb_13TeV	\ \ \ \ \	√	<u> </u>	· ·
	CMS_ttbb_13TeV_2016	·	·	· √	·
4H	CMS_ttbb_13TeV_dilepton_inc	 	<i>-</i>	→	, , , , , , , , , , , , , , , , , , ,
	CMS_ttbb_13TeV_ljets_inc	→ ✓	./	↓	
	CMS_tttt_13TeV	V √	./	V ✓	· /
	CMS_tttt_13TeV_run2	· · · · · · · · · · · · · · · · · · ·	V	∨ ✓	V
	CMS_tttt_13TeV_slep_inc	V (V	,	V
	CMS_tttt_13TeV_2023	V	V	√	V
		√	V	√	V
	CLIC_zh_aa_380GeV		√	√	√
	CLIC_zh_bb_380GeV		√	√	√
	CLIC_zh_cc_380GeV		√	√	√
	CLIC_zh_gg_380GeV		√	√	√
	CLIC_zh_tautau_380GeV		√	✓	√
	CLIC_zh_ww_380GeV		√	✓	✓
	CLIC_zh_xstot_380GeV		√	✓	✓
	CLIC_zh_zz_380GeV		√	√	✓
	CLIC_vvh_aa_1500GeV			✓	✓
	CLIC_vvh_aa_3000GeV				√
	CLIC_vvh_aa_380GeV		√	√	✓
	CLIC_vvh_bb_1500GeV			√	✓
	CLIC_vvh_bb_3000GeV				√
	CLIC_vvh_bb_380GeV		√	√	√
	CLIC_vvh_cc_1500GeV			√	√
	CLIC_vvh_cc_3000GeV				· ·
	CLIC_vvh_cc_380GeV			√	· ·
	CLIC_vvh_gg_1500GeV		•	·	, ,
	CLIC_vvh_gg_3000GeV				, ,
	CLIC_vvh_gg_380GeV		√	√	./
	CLIC_vvh_tautau_1500GeV		•	→	./
	CLIC_vvh_tautau_3000GeV			,	v /
	CLIC_vvh_tautau_380GeV		√		V
	CLIC_vvh_ww_1500GeV		V	V	V
	CLIC_vvh_ww_3000GeV			V	∨ ✓
	CLIC_vvh_ww_380GeV		√		V
			V	√	V
	CLIC_vvh_za_1500GeV			√	V
	CLIC_vvh_za_3000GeV				V
	CLIC_vvh_zz_1500GeV			√	√
	CLIC_vvh_zz_3000GeV				√
	CLIC_vvh_zz_380GeV		✓	√	√
	CLIC_bb_1500GeV			✓	√
	CLIC_bb_3000GeV				√
CLIC	CLIC_bb_380GeV		√	√	✓
CLIC	CLIC_bb_Afb_1500GeV			✓	√
	CLIC_bb_Afb_3000GeV				✓
	CLIC_bb_Afb_380GeV		√	√	✓
	CLIC_cc_1500GeV			√	√
	CLIC_cc_3000GeV				✓
	CLIC_cc_380GeV		√	✓	✓
	CLIC_cc_Afb_1500GeV			√	√
	CLIC_cc_Afb_3000GeV				√
	CLIC_cc_Afb_380GeV		√	√	· ✓
	CLIC_ee_1500GeV			· √	· ·
	CLIC_ee_3000GeV				· ✓
	CLIC_ee_380GeV		√	 	· · · · · · · · · · · · · · · · · · ·
	CLIC_ee_Afb_1500GeV		,	→	· · · · · · · · · · · · · · · · · · ·
	CLIC_ee_Afb_3000GeV			,	V ✓
	CLIC_ee_Afb_380GeV		√	 	√
I	ODIO_00_1110_900GE V		_ v	<u> </u>	

ſ	$CLIC_mumu_1500GeV$		I	 	√
	CLIC_mumu_3000GeV			V	∨ ✓
	CLIC_mumu_380GeV		√		·
			√	√	√
	CLIC_mumu_Afb_1500GeV			√	√
	CLIC_mumu_Afb_3000GeV		,	,	√
	CLIC_mumu_Afb_380GeV		√	√	√
	CLIC_tautau_1500GeV			√	√
	CLIC_tautau_3000GeV		,		√
	CLIC_tautau_380GeV		√	√	√
	CLIC_tautau_Afb_1500GeV			✓	√
	CLIC_tautau_Afb_3000GeV				√
	CLIC_tautau_Afb_380GeV		✓	√	✓
	CLIC_Zdata_380GeV		√	✓	✓
	CLIC_Brw_380GeV		√	√	✓
	CLIC_Brw_1500GeV			√	√
	CLIC_Brw_3000GeV				√
	CLIC_ww_380GeV		√	√	√
	CLIC_ww_1500GeV			√	√
	CLIC_ww_3000GeV			·	· ✓
	ATLAS_CMS_SSinc_RunI	√	√	√	√
	ATLAS_SSinc_RunII	√	▼	V ✓	V ✓
	CMS_SSinc_RunII	√	V ✓	V ✓	∨ ✓
	ATLAS_WH_Hbb_13TeV	∨ ✓	∨ ✓	∨	∨ ✓
	ATLAS_WILLIBB_13TeV	∨ ✓	∨ ✓	∨	∨ ✓
HrunI	ATLAS_ggF_13TeV_2015	√		-	
		-	√	√	√
	ATLAS_ggF_ZZ_13TeV	√	√	√	√
	CMS_H_13TeV_2015_pTH	√	√	√	√
	CMS_ggF_aa_13TeV	√	√	√	√
	ATLAS_STXS_runII_13TeV	√	√	√	√
	LEP1_EWPOs_2006	✓	√	√	√
LEP	LEP_Bhabha_2013	✓	√	√	✓
LLI	LEP_Brw_2013	✓	√	✓	✓
	LEP_alphaEW	✓	√	✓	√
	ATLAS_WW_13TeV_2016_memu	✓	√	✓	✓
	ATLAS_WZ_13TeV_2016_mTWZ	✓	√	√	✓
	$CMS_WZ_13TeV_2016_pTZ$	√	√	√	✓
VV	$CMS_WZ_13TeV_2022_pTZ$	√	✓	✓	✓
V V	LEP_eeWW_182GeV	√	√	✓	√
	LEP_eeWW_189GeV	√	√	√	√
	LEP_eeWW_198GeV	√	√	√	√
	LEP_eeWW_206GeV	√	√	√	√
	ATLAS_t_sch_8TeV	√		√	√
	ATLAS_t_tch_8TeV_diff_Yt	<u> </u>	·	·	· ·
	CMS_t_sch_8TeV	√	↓	→	√
	CMS_t_tch_8TeV_diff_Yt	√	√	V ✓	√
	CMS_t_tch_8TeV_inc	∨ ✓	V ✓	V ✓	∨ ✓
t8	ATLAS_t_sch_13TeV_inc	∨	√	∨	∨ ✓
	ATLAS_t_sch_13TeV_inc ATLAS_t_tch_13TeV_inc	∨ ✓	∨ ✓	· .	∨ ✓
	CMS_t_tch_13TeV_2016_diff_Yt	-	•	√	
		√	√	√	√
	CMS_t_tch_13TeV_2019_diff_Yt	√	√	√	√
	CMS_t_tch_13TeV_inc	✓	√	√	√
	ATLAS_tW_13TeV_inc	✓	√	√	√
	ATLAS_tW_8TeV_inc	✓	√	✓	√
	ATLAS_tW_slep_8TeV_inc	✓	√	√	✓
	CMS_tW_13TeV_inc	√	✓	√	✓
	CMS_tW_13TeV_slep_inc	√	√	✓	✓
tW	CMS_tW_8TeV_inc	√	√	✓	✓
	ATLAS_tZ_13TeV_inc	√	√	✓	✓
	ATLAS_tZ_13TeV_run2_inc	√	√	√	✓
	CMS_tZ_13TeV_2016_inc	√	√	√	✓
	CMS_tZ_13TeV_inc	√	√	√	√
	CMS_tZ_13TeV_pTt	√	√	√	√
	ATLAS_tt_8TeV_dilep_Mtt	✓	√	√	√
1	T	ı	I .	I .	I .

		ATLAS_tt_8TeV_ljets_Mtt	✓	√	✓	✓
		CMS_tt2D_8TeV_dilep_MttYtt	✓	√	✓	✓
		CMS_tt_8TeV_ljets_Ytt	✓	√	✓	✓
		ATLAS_tt_13TeV_ljets_2016_Mtt	✓	√	✓	✓
		CMS_tt_13TeV_Mtt	✓	√	✓	✓
		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	√	√	✓	✓
		ATLAS_WhelF_8TeV	√	√	✓	✓
		ATLAS_Whel_13TeV	√	√	✓	✓
		CMS_WhelF_8TeV	✓	√	✓	✓
		ATLAS_CMS_tt_AC_8TeV	✓	√	✓	✓
		ATLAS_tt_13TeV_asy_2022	✓	√	✓	✓
		CMS_tt_13TeV_asy	√	√	✓	✓
Ī		ATLAS_ttZ_13TeV	✓	√	✓	✓
		ATLAS_ttZ_13TeV_2016	✓	√	✓	✓
		ATLAS_ttZ_13TeV_pTZ	√	√	✓	✓
		ATLAS_ttZ_8TeV	✓	√	✓	✓
		CMS_ttZ_13TeV	√	√	✓	✓
	ttV	CMS_ttZ_13TeV_pTZ	✓	√	✓	✓
	UU V	CMS_ttZ_8TeV	✓	√	✓	✓
		ATLAS_ttW_13TeV	√	√	✓	✓
	ATLAS_ttW_13TeV_2016	√	√	✓	✓	
	ATLAS_ttW_8TeV	✓	√	✓	✓	
		CMS_ttW_13TeV	✓	√	✓	✓
		CMS_ttW_8TeV	√	√	✓	✓
	tta	ATLAS_tta_8TeV	√	√	✓	✓
	ua	CMS_tta_8TeV	√	√	√	√

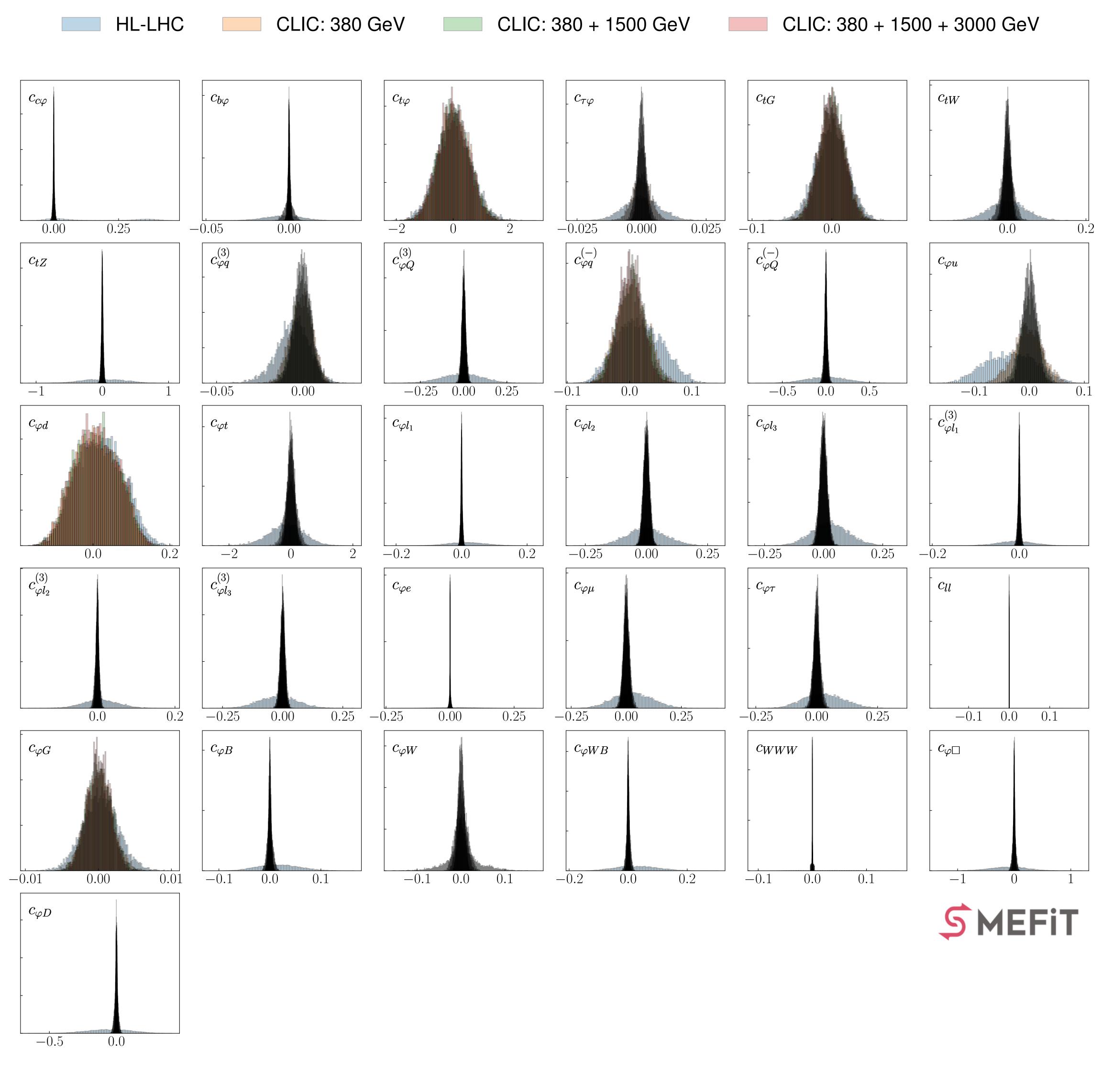
Table 1: Dataset comparison





CLIC: 380 GeV — CLIC: 380 + 1500 + 3000 GeV

--- CLIC: 380 + 1500 GeV



			HL-LHC			C			
Class	Coefficients	best	68% CL Bounds	95% CL Bounds	best	68% CL Bounds	95% CL Bounds	best	68%
	c_{carphi}	0.155	[-0.009,0.363]	[-0.043,0.41]	0.0	[-0.004,0.004]	[-0.008,0.008]	-0.0	[-(
	c_{barphi}	-0.003	[-0.014,0.007]	[-0.025,0.017]	-0.0	[-0.003,0.003]	[-0.005,0.005]	0.0	[-(
	$c_{t\varphi}$	0.022	[-0.568, 0.607]	[-1.144,1.208]	0.031	[-0.497, 0.569]	[-0.991,1.112]	0.024	[-(
	$c_{ au arphi}$	0.0	[-0.007,0.007]	[-0.013,0.014]	0.0	[-0.003,0.003]	[-0.006,0.007]	-0.0	[-(
	c_{tG}	-0.001	[-0.021,0.019]	[-0.04,0.038]	0.0	[-0.016,0.017]	[-0.032,0.032]	0.0	[-(
	c_{tW}	-0.001	[-0.046, 0.044]	[-0.092,0.088]	-0.0	[-0.016,0.015]	[-0.03,0.029]	-0.0	[-
	c_{tZ}	0.021	[-0.298,0.345]	[-0.577, 0.599]	-0.0	[-0.018,0.017]	[-0.035,0.034]	0.0	[-(
	$c_{\varphi q}^{(3)}$	-0.006	[-0.015,0.003]	[-0.026, 0.012]	-0.001	[-0.007,0.005]	[-0.013,0.011]	-0.001	[-(
	$c_{arphi Q}^{(3)}$	-0.011	[-0.127,0.108]	[-0.238,0.213]	0.0	[-0.013,0.014]	[-0.026,0.026]	0.001	[-
	$c_{\varphi Q}^{(3)}$ $c_{\varphi q}^{(-)}$	0.015	[-0.022,0.053]	[-0.051,0.085]	0.004	[-0.021,0.028]	[-0.041,0.049]	0.003	[-(
$ _{2\mathrm{FB}}$	$c_{\varphi Q}^{(-)}$	0.011	[-0.224,0.244]	[-0.437,0.463]	-0.0	[-0.022,0.021]	[-0.044,0.041]	-0.0	[-(
21 15	$c_{\varphi u}$	-0.033	[-0.081,0.014]	[-0.117,0.052]	-0.002	[-0.028,0.023]	[-0.054,0.048]	0.001	-(
	$c_{\varphi d}$	0.018	[-0.046,0.081]	[-0.095,0.131]	0.007	[-0.053,0.068]	[-0.098,0.112]	0.009	<u> </u>
	$c_{\varphi t}$	-0.161	[-0.713,0.4]	[-1.346,0.899]	-0.002	[-0.183,0.183]	[-0.359, 0.355]	-0.001	[-(
	$c_{\varphi l_1}$	0.015	[-0.039,0.071]	[-0.09,0.121]	-0.0	[-0.003,0.003]	[-0.006,0.006]	-0.0	[-(
	$c_{\varphi l_2}$	-0.001	[-0.078,0.078]	[-0.151,0.153]	0.0	[-0.013,0.014]	[-0.026,0.026]	-0.0	[-(
	$c_{\varphi l_3}$	0.027	[-0.05,0.104]	[-0.12,0.182]	-0.001	[-0.018,0.016]	[-0.033,0.032]	-0.0	[-(
	$c_{\varphi l_1}^{(3)}$	-0.009	[-0.048,0.031]	[-0.089,0.068]	-0.0	[-0.004,0.003]	[-0.007,0.006]	-0.0	[-(
	$c_{\varphi l_2}^{(3)} \ c_{\varphi l_3}^{(3)}$	0.008	[-0.037,0.053]	[-0.079,0.098]	-0.001	[-0.006,0.005]	[-0.012,0.01]	-0.0	[-(
	$c_{\varphi l_3}^{(3)}$	-0.019	[-0.098,0.058]	[-0.17,0.134]	-0.0	[-0.012,0.011]	[-0.023,0.022]	-0.0	[-(
	$c_{\varphi e}$	0.028	[-0.054,0.11]	[-0.12,0.185]	0.0	[-0.003,0.004]	[-0.007,0.007]	0.0	[-(
	$c_{\varphi\mu}$	0.029	[-0.057,0.116]	[-0.132,0.198]	0.001	[-0.014,0.016]	[-0.03,0.032]	-0.0	[-(
	$c_{\varphi au}$	0.028	[-0.053,0.111]	[-0.12,0.186]	0.001	[-0.014,0.016]	[-0.029,0.031]	-0.0	[-(
41	c_{ll}	0.014	[-0.024,0.052]	[-0.062,0.087]	-0.0	[-0.0,0.0]	[-0.0,0.0]	-0.0	
	$c_{\varphi G}$	0.0	[-0.002,0.003]	[-0.004,0.005]	0.0	[-0.002,0.002]	[-0.003,0.004]	0.0	[-(
	$c_{\varphi B}$	0.017	[-0.024,0.058]	[-0.057, 0.095]	0.0	[-0.005, 0.006]	[-0.01,0.012]	-0.0	[-(
	$c_{\varphi W}$	0.003	[-0.023,0.03]	[-0.071,0.081]	0.001	[-0.013,0.016]	[-0.024,0.028]	0.001	[-(
В [$c_{\varphi WB}$	0.029	[-0.041,0.1]	[-0.097,0.163]	0.001	[-0.006,0.008]	[-0.013,0.014]	0.0	[-(
	c_{WWW}	0.026	[-0.031,0.084]	[-0.063,0.118]	-0.0	[-0.003,0.003]	[-0.004,0.004]	0.0	
	$c_{\varphi\Box}$	-0.102	[-0.427, 0.215]	[-0.761, 0.525]	-0.001	[-0.032,0.029]	[-0.062,0.06]	-0.0	[-(
	$c_{arphi D}$	-0.056	[-0.217,0.105]	[-0.363,0.232]	-0.001	[-0.015,0.013]	[-0.028,0.026]	-0.0	[-(

Table 1: Coefficient comparison