1 By process

1.1 $HH \to HH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	-0.6547	-0.6547	0	1.615	1.615	0
cHDD	-0.1077	-0.1077	0	0.01445	0.01445	0
cHbox	0.4309	0.4309	0	0.2312	0.2312	0
cHl3	-0.01609	-0.01609	0	0.0009756	0.0009756	0
cll1	0.008046	0.008046	0	0.0002439	0.0002439	0
sm	0	0	0	0.06636	0.06636	0

1.2 $HH \to HHH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$7.942 \cdot 10^{-6}$	$7.942 \cdot 10^{-6}$	0	$4.926 \cdot 10^{-5}$	$4.926 \cdot 10^{-5}$	0
cHDD	$4.392 \cdot 10^{-7}$	$4.392 \cdot 10^{-7}$	0	$1.513 \cdot 10^{-8}$	$1.513 \cdot 10^{-8}$	0
cHbox	$-1.757 \cdot 10^{-6}$	$-1.757 \cdot 10^{-6}$	0	$2.42 \cdot 10^{-7}$	$2.42 \cdot 10^{-7}$	0
cHl3	$-1.164 \cdot 10^{-7}$	$-1.164 \cdot 10^{-7}$	0	$1.059 \cdot 10^{-8}$	$1.059 \cdot 10^{-8}$	0
cll1	$5.822 \cdot 10^{-8}$	$5.822 \cdot 10^{-8}$	0	$2.647 \cdot 10^{-9}$	$2.647 \cdot 10^{-9}$	0
sm	0	0	0	$3.201 \cdot 10^{-7}$	$3.201 \cdot 10^{-7}$	0

1.3 $HH \to H\tau^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-5.193 \cdot 10^{-10}$	$-5.193 \cdot 10^{-10}$	0	$9.372 \cdot 10^{-10}$	$9.372 \cdot 10^{-10}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-2.492 \cdot 10^{-10}$	$-2.492 \cdot 10^{-10}$	0	$5.206 \cdot 10^{-11}$	$5.206 \cdot 10^{-11}$	0
cHbox	$9.969 \cdot 10^{-10}$	$9.969 \cdot 10^{-10}$	0	$8.33 \cdot 10^{-10}$	$8.33 \cdot 10^{-10}$	0
cHl3	$-2.617 \cdot 10^{-11}$	$-2.617 \cdot 10^{-11}$	0	$2.38 \cdot 10^{-12}$	$2.38 \cdot 10^{-12}$	0
ceHRe	$-2.312 \cdot 10^{-10}$	$-2.312 \cdot 10^{-10}$	0	$4.489 \cdot 10^{-11}$	$4.489 \cdot 10^{-11}$	0
cll1	$1.308 \cdot 10^{-11}$	$1.308 \cdot 10^{-11}$	0	$5.949 \cdot 10^{-13}$	$5.949 \cdot 10^{-13}$	0
sm	0	0	0	$7.195 \cdot 10^{-11}$	$7.195 \cdot 10^{-11}$	0

1.4 $HH \to Hb\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-6.644 \cdot 10^{-9}$	$-6.644 \cdot 10^{-9}$	0	$2.046 \cdot 10^{-8}$	$2.046 \cdot 10^{-8}$	0
cHDD	$-4.487 \cdot 10^{-10}$	$-4.487 \cdot 10^{-10}$	0	$1.994 \cdot 10^{-10}$	$1.994 \cdot 10^{-10}$	0
cHbox	$1.795 \cdot 10^{-9}$	$1.795 \cdot 10^{-9}$	0	$3.19 \cdot 10^{-9}$	$3.19 \cdot 10^{-9}$	0
cHl3	$-1.964 \cdot 10^{-10}$	$-1.964 \cdot 10^{-10}$	0	$1.786 \cdot 10^{-11}$	$1.786 \cdot 10^{-11}$	0
cdHRe	$-1.097 \cdot 10^{-9}$	$-1.097 \cdot 10^{-9}$	0	$1.191 \cdot 10^{-9}$	$1.191 \cdot 10^{-9}$	0
cll1	$9.818 \cdot 10^{-11}$	$9.818 \cdot 10^{-11}$	0	$4.464 \cdot 10^{-12}$	$4.464 \cdot 10^{-12}$	0
sm	0	0	0	$5.398 \cdot 10^{-10}$	$5.398 \cdot 10^{-10}$	0

1.5 $HH \to Hs\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-8.702 \cdot 10^{-12}$	$-8.702 \cdot 10^{-12}$	0	$2.144 \cdot 10^{-11}$	$2.144 \cdot 10^{-11}$	0
cHDD	$-3.623 \cdot 10^{-13}$	$-3.623 \cdot 10^{-13}$	0	$1.375 \cdot 10^{-13}$	$1.375 \cdot 10^{-13}$	0
cHbox	$1.449 \cdot 10^{-12}$	$1.449 \cdot 10^{-12}$	0	$2.2 \cdot 10^{-12}$	$2.2 \cdot 10^{-12}$	0
cHl3	$-3.211 \cdot 10^{-13}$	$-3.211 \cdot 10^{-13}$	0	$2.92 \cdot 10^{-14}$	$2.92 \cdot 10^{-14}$	0
cdHRe	$-1.012 \cdot 10^{-12}$	$-1.012 \cdot 10^{-12}$	0	$1.073 \cdot 10^{-12}$	$1.073 \cdot 10^{-12}$	0
cll1	$1.606 \cdot 10^{-13}$	$1.606 \cdot 10^{-13}$	0	$7.301 \cdot 10^{-15}$	$7.301 \cdot 10^{-15}$	0

sm	0	0	0	$8.829 \cdot 10^{-13}$	$8.829 \cdot 10^{-13}$	0

1.6 $HH \to Ht\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cH	$9.162 \cdot 10^{-6}$	$9.162 \cdot 10^{-6}$	0	$1.643 \cdot 10^{-5}$	$1.643 \cdot 10^{-5}$	0
cHDD	$4.351 \cdot 10^{-6}$	$4.351 \cdot 10^{-6}$	0	$3.153 \cdot 10^{-7}$	$3.153 \cdot 10^{-7}$	0
cHbox	$-1.74 \cdot 10^{-5}$	$-1.74 \cdot 10^{-5}$	0	$5.045 \cdot 10^{-6}$	$5.045 \cdot 10^{-6}$	0
cHl3	$-1.528 \cdot 10^{-5}$	$-1.528 \cdot 10^{-5}$	0	$1.39 \cdot 10^{-6}$	$1.39 \cdot 10^{-6}$	0
cll1	$7.64 \cdot 10^{-6}$	$7.64 \cdot 10^{-6}$	0	$3.474 \cdot 10^{-7}$	$3.474 \cdot 10^{-7}$	0
cuHRe	$1.139 \cdot 10^{-5}$	$1.139 \cdot 10^{-5}$	0	$3.051 \cdot 10^{-6}$	$3.051 \cdot 10^{-6}$	0
sm	0	0	0	$4.201 \cdot 10^{-5}$	$4.201 \cdot 10^{-5}$	0

1.7 $HH \to Hu\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cH	$-2.568 \cdot 10^{-15}$	$-2.568 \cdot 10^{-15}$	0	$5.635 \cdot 10^{-15}$	$5.635 \cdot 10^{-15}$	0
cHDD	$-1.532 \cdot 10^{-16}$	$-1.532 \cdot 10^{-16}$	0	$6.728 \cdot 10^{-17}$	$6.728 \cdot 10^{-17}$	0
cHbox	$6.127 \cdot 10^{-16}$	$6.127 \cdot 10^{-16}$	0	$1.076 \cdot 10^{-15}$	$1.076 \cdot 10^{-15}$	0
cHl3	$-1.064 \cdot 10^{-16}$	$-1.064 \cdot 10^{-16}$	0	$9.678 \cdot 10^{-18}$	$9.678 \cdot 10^{-18}$	0
cll1	$5.321 \cdot 10^{-17}$	$5.321 \cdot 10^{-17}$	0	$2.419 \cdot 10^{-18}$	$2.419 \cdot 10^{-18}$	0
cuHRe	$-4.701 \cdot 10^{-16}$	$-4.701 \cdot 10^{-16}$	0	$6.337 \cdot 10^{-16}$	$6.337 \cdot 10^{-16}$	0
sm	0	0	0	$2.926 \cdot 10^{-16}$	$2.926 \cdot 10^{-16}$	0

1.8 $HH \to Hzz$

	interference	square

3

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-5.03 \cdot 10^{-6}$	$-5.03 \cdot 10^{-6}$	0	$2.289 \cdot 10^{-5}$	$2.289 \cdot 10^{-5}$	0
cHB	$-4.8 \cdot 10^{-6}$	$-4.8 \cdot 10^{-6}$	0	$3.757 \cdot 10^{-7}$	$3.757 \cdot 10^{-7}$	0
cHDD	$-6.016 \cdot 10^{-6}$	$-6.016 \cdot 10^{-6}$	0	$6.315 \cdot 10^{-7}$	$6.315 \cdot 10^{-7}$	0
cHW	$-7.839 \cdot 10^{-6}$	$-7.839 \cdot 10^{-6}$	0	$8.526 \cdot 10^{-6}$	$8.526 \cdot 10^{-6}$	0
cHWB	$-8.963 \cdot 10^{-6}$	$-8.963 \cdot 10^{-6}$	0	$1.31 \cdot 10^{-6}$	$1.31 \cdot 10^{-6}$	0
cHbox	$1.686 \cdot 10^{-5}$	$1.686 \cdot 10^{-5}$	0	$4.479 \cdot 10^{-6}$	$4.479 \cdot 10^{-6}$	0
cHl3	$-3.124 \cdot 10^{-6}$	$-3.124 \cdot 10^{-6}$	0	$2.841 \cdot 10^{-7}$	$2.841 \cdot 10^{-7}$	0
cll1	$1.562 \cdot 10^{-6}$	$1.562 \cdot 10^{-6}$	0	$7.102 \cdot 10^{-8}$	$7.102 \cdot 10^{-8}$	0
sm	0	0	0	$8.589 \cdot 10^{-6}$	$8.589 \cdot 10^{-6}$	0

1.9 $HH \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	4.762	4.762	0	0.1331	0.1331	0
cHDD	1.749	1.749	0	0.1947	0.1947	0
cHW	0.6426	0.6426	0	12.92	12.92	0
cHbox	-6.994	-6.994	0	3.116	3.116	0
cHl3	-10.36	-10.36	0	0.6281	0.6281	0
cll1	5.18	5.18	0	0.157	0.157	0
sm	0	0	0	42.73	42.73	0

1.10 $HH \to W^+W^-\gamma$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-2.116 \cdot 10^{-7}$	$-2.116 \cdot 10^{-7}$	0	$8.242 \cdot 10^{-8}$	$8.242 \cdot 10^{-8}$	0
cHB	$3.519 \cdot 10^{-7}$	$3.519 \cdot 10^{-7}$	0	$2.097 \cdot 10^{-7}$	$2.097 \cdot 10^{-7}$	0

	interference			square		
	mod1	mod2	$1-\mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1-\mathtt{mod2}/\mathtt{mod1}$
cHDD	$6.646 \cdot 10^{-7}$	$6.646 \cdot 10^{-7}$	0	$9.273 \cdot 10^{-7}$	$9.273 \cdot 10^{-7}$	0
cHW	$-1.377 \cdot 10^{-6}$	$-1.377 \cdot 10^{-6}$	0	0.0001156	0.0001156	0
cHWB	$-2.194 \cdot 10^{-7}$	$-2.194 \cdot 10^{-7}$	0	$2.237 \cdot 10^{-6}$	$2.237 \cdot 10^{-6}$	0
cHbox	$-3.064 \cdot 10^{-6}$	$-3.064 \cdot 10^{-6}$	0	$1.544 \cdot 10^{-5}$	$1.544 \cdot 10^{-5}$	0
cHl3	$-2.473 \cdot 10^{-7}$	$-2.473 \cdot 10^{-7}$	0	$2.249 \cdot 10^{-8}$	$2.249 \cdot 10^{-8}$	0
cW	$-7.376 \cdot 10^{-7}$	$-7.376 \cdot 10^{-7}$	0	$1.387 \cdot 10^{-6}$	$1.387 \cdot 10^{-6}$	0
cll1	$1.236 \cdot 10^{-7}$	$1.236 \cdot 10^{-7}$	0	$5.622 \cdot 10^{-9}$	$5.622 \cdot 10^{-9}$	0
sm	0	0	0	$6.798 \cdot 10^{-7}$	$6.798 \cdot 10^{-7}$	0

1.11 $HH \to W^+ \bar{t} b$

	interference			square		
	mod1	mod2	$1-\mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1-\mathtt{mod2}/\mathtt{mod1}$
cH	$2.09 \cdot 10^{-6}$	$2.09 \cdot 10^{-6}$	0	$7.201 \cdot 10^{-7}$	$7.201 \cdot 10^{-7}$	0
cHDD	$-3.146 \cdot 10^{-6}$	$-3.146 \cdot 10^{-6}$	0	$4.286 \cdot 10^{-6}$	$4.286 \cdot 10^{-6}$	0
cHW	$-5.749 \cdot 10^{-6}$	$-5.749 \cdot 10^{-6}$	0	$4.638 \cdot 10^{-6}$	$4.638 \cdot 10^{-6}$	0
cHbox	$1.258 \cdot 10^{-5}$	$1.258 \cdot 10^{-5}$	0	$6.857 \cdot 10^{-5}$	$6.857 \cdot 10^{-5}$	0
cHl3	$-3.401 \cdot 10^{-6}$	$-3.401 \cdot 10^{-6}$	0	$3.093 \cdot 10^{-7}$	$3.093 \cdot 10^{-7}$	0
cHq3	$-1.229 \cdot 10^{-5}$	$-1.229 \cdot 10^{-5}$	0	$4.335 \cdot 10^{-5}$	$4.335 \cdot 10^{-5}$	0
cHudRe	$1.353 \cdot 10^{-9}$	$1.353 \cdot 10^{-9}$	0	$3.469 \cdot 10^{-10}$	$3.469 \cdot 10^{-10}$	0
cdHRe	$-1.802 \cdot 10^{-9}$	$-1.802 \cdot 10^{-9}$	0	$6.73 \cdot 10^{-10}$	$6.73 \cdot 10^{-10}$	0
cdWRe	$-1.423 \cdot 10^{-8}$	$-1.423 \cdot 10^{-8}$	0	$1.557 \cdot 10^{-8}$	$1.557 \cdot 10^{-8}$	0
cll1	$1.701 \cdot 10^{-6}$	$1.701 \cdot 10^{-6}$	0	$7.733 \cdot 10^{-8}$	$7.733 \cdot 10^{-8}$	0
cuHRe	$-1.748 \cdot 10^{-7}$	$-1.748 \cdot 10^{-7}$	0	$3.585 \cdot 10^{-7}$	$3.585 \cdot 10^{-7}$	0
cuWRe	$-4.698 \cdot 10^{-6}$	$-4.698 \cdot 10^{-6}$	0	$8.731 \cdot 10^{-6}$	$8.731 \cdot 10^{-6}$	0
sm	0	0	0	$9.351 \cdot 10^{-6}$	$9.351 \cdot 10^{-6}$	0

1.12 $HH \to W^+ e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
cH	$3.767 \cdot 10^{-8}$	$3.767 \cdot 10^{-8}$	0	$4.286 \cdot 10^{-8}$	$4.286 \cdot 10^{-8}$	0
cHDD	$1.899 \cdot 10^{-7}$	$1.899 \cdot 10^{-7}$	0	$3.33 \cdot 10^{-9}$	$3.33 \cdot 10^{-9}$	0
cHW	$1.634 \cdot 10^{-6}$	$1.634 \cdot 10^{-6}$	0	$2.033 \cdot 10^{-5}$	$2.033 \cdot 10^{-5}$	0
cHbox	$-7.595 \cdot 10^{-7}$	$-7.595 \cdot 10^{-7}$	0	$5.328 \cdot 10^{-8}$	$5.328 \cdot 10^{-8}$	0
cHl3	$2.659 \cdot 10^{-7}$	$2.659 \cdot 10^{-7}$	0	$4.943 \cdot 10^{-8}$	$4.943 \cdot 10^{-8}$	0
ceHRe	$1.317 \cdot 10^{-16}$	$1.317 \cdot 10^{-16}$	0	$2.033 \cdot 10^{-17}$	$2.033 \cdot 10^{-17}$	0
ceWRe	$4.086 \cdot 10^{-18}$	$4.086 \cdot 10^{-18}$	0	$3.697 \cdot 10^{-18}$	$3.697 \cdot 10^{-18}$	0
cll1	$6.505 \cdot 10^{-8}$	$6.505 \cdot 10^{-8}$	0	$2.958 \cdot 10^{-9}$	$2.958 \cdot 10^{-9}$	0
sm	0	0	0	$3.577 \cdot 10^{-7}$	$3.577 \cdot 10^{-7}$	0

1.13 $HH \to W^- u\bar{d}$

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
cH	$2.356 \cdot 10^{-8}$	$2.356 \cdot 10^{-8}$	0	$4.728 \cdot 10^{-10}$	$4.728 \cdot 10^{-10}$	0
cHDD	$-2.087 \cdot 10^{-8}$	$-2.087 \cdot 10^{-8}$	0	$9.274 \cdot 10^{-9}$	$9.274 \cdot 10^{-9}$	0
cHW	$1.566 \cdot 10^{-6}$	$1.566 \cdot 10^{-6}$	0	$2.602 \cdot 10^{-6}$	$2.602 \cdot 10^{-6}$	0
cHbox	$8.35 \cdot 10^{-8}$	$8.35 \cdot 10^{-8}$	0	$1.484 \cdot 10^{-7}$	$1.484 \cdot 10^{-7}$	0
cHl3	$-4.673 \cdot 10^{-7}$	$-4.673 \cdot 10^{-7}$	0	$4.249 \cdot 10^{-8}$	$4.249 \cdot 10^{-8}$	0
cHq3	$1.267 \cdot 10^{-5}$	$1.267 \cdot 10^{-5}$	0	$3.122 \cdot 10^{-5}$	$3.122 \cdot 10^{-5}$	0
cHudRe	$-1.352 \cdot 10^{-24}$	$-1.352 \cdot 10^{-24}$	0	$3.848 \cdot 10^{-26}$	$3.848 \cdot 10^{-26}$	0
cdHRe	$-1.69 \cdot 10^{-15}$	$-1.69 \cdot 10^{-15}$	0	$2 \cdot 10^{-15}$	$2 \cdot 10^{-15}$	0
cdWRe	$2.306 \cdot 10^{-16}$	$2.306 \cdot 10^{-16}$	0	$3.843 \cdot 10^{-15}$	$3.843 \cdot 10^{-15}$	0
cll1	$2.336 \cdot 10^{-7}$	$2.336 \cdot 10^{-7}$	0	$1.062 \cdot 10^{-8}$	$1.062 \cdot 10^{-8}$	0
cuHRe	$-6.41 \cdot 10^{-16}$	$-6.41 \cdot 10^{-16}$	0	$1.671 \cdot 10^{-16}$	$1.671 \cdot 10^{-16}$	0
cuWRe	$-8.009 \cdot 10^{-16}$	$-8.009 \cdot 10^{-16}$	0	$6.354 \cdot 10^{-17}$	$6.354 \cdot 10^{-17}$	0
sm	0	0	0	$1.285 \cdot 10^{-6}$	$1.285 \cdot 10^{-6}$	0

1.14 $HH \to z\bar{b}b$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.606 \cdot 10^{-9}$	$1.606 \cdot 10^{-9}$	0	$3.763 \cdot 10^{-9}$	$3.763 \cdot 10^{-9}$	0
cHB	$7.457 \cdot 10^{-7}$	$7.457 \cdot 10^{-7}$	0	$9.614 \cdot 10^{-7}$	$9.614 \cdot 10^{-7}$	0
cHDD	$-6.823 \cdot 10^{-7}$	$-6.823 \cdot 10^{-7}$	0	$6.277 \cdot 10^{-7}$	$6.277 \cdot 10^{-7}$	0
cHW	$4.985 \cdot 10^{-7}$	$4.985 \cdot 10^{-7}$	0	$5.542 \cdot 10^{-6}$	$5.542 \cdot 10^{-6}$	0
cHWB	$2.143 \cdot 10^{-6}$	$2.143 \cdot 10^{-6}$	0	$3.67 \cdot 10^{-6}$	$3.67 \cdot 10^{-6}$	0
cHbox	$-1.324 \cdot 10^{-6}$	$-1.324 \cdot 10^{-6}$	0	$2.692 \cdot 10^{-6}$	$2.692 \cdot 10^{-6}$	0
cHd	$-1.824 \cdot 10^{-7}$	$-1.824 \cdot 10^{-7}$	0	$2.704 \cdot 10^{-7}$	$2.704 \cdot 10^{-7}$	0
cHl3	$-1.034 \cdot 10^{-7}$	$-1.034 \cdot 10^{-7}$	0	$9.399 \cdot 10^{-9}$	$9.399 \cdot 10^{-9}$	0
cHq1	$9.653 \cdot 10^{-7}$	$9.653 \cdot 10^{-7}$	0	$2.688 \cdot 10^{-7}$	$2.688 \cdot 10^{-7}$	0
cHq3	$9.36 \cdot 10^{-7}$	$9.36 \cdot 10^{-7}$	0	$8.364 \cdot 10^{-7}$	$8.364 \cdot 10^{-7}$	0
cdBRe	$-9.477 \cdot 10^{-10}$	$-9.477 \cdot 10^{-10}$	0	$7.97 \cdot 10^{-11}$	$7.97 \cdot 10^{-11}$	0
cdHRe	$1.075 \cdot 10^{-9}$	$1.075 \cdot 10^{-9}$	0	$3.968 \cdot 10^{-10}$	$3.968 \cdot 10^{-10}$	0
cdWRe	$-1.77 \cdot 10^{-9}$	$-1.77 \cdot 10^{-9}$	0	$2.779 \cdot 10^{-10}$	$2.779 \cdot 10^{-10}$	0
cll1	$5.168 \cdot 10^{-8}$	$5.168 \cdot 10^{-8}$	0	$2.35 \cdot 10^{-9}$	$2.35 \cdot 10^{-9}$	0
sm	0	0	0	$2.842 \cdot 10^{-7}$	$2.842 \cdot 10^{-7}$	0

1.15 $HH \to z\nu_e\bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$3.989 \cdot 10^{-9}$	$3.989 \cdot 10^{-9}$	0	$3.061 \cdot 10^{-11}$	$3.061 \cdot 10^{-11}$	0
cHB	$9.325 \cdot 10^{-8}$	$9.325 \cdot 10^{-8}$	0	$4.15 \cdot 10^{-8}$	$4.15 \cdot 10^{-8}$	0
cHDD	$-6.468 \cdot 10^{-10}$	$-6.468 \cdot 10^{-10}$	0	$1.018 \cdot 10^{-9}$	$1.018 \cdot 10^{-9}$	0
cHW	$-1.631 \cdot 10^{-8}$	$-1.631 \cdot 10^{-8}$	0	$1.022 \cdot 10^{-6}$	$1.022 \cdot 10^{-6}$	0
cHWB	$1.741 \cdot 10^{-7}$	$1.741 \cdot 10^{-7}$	0	$1.447 \cdot 10^{-7}$	$1.447 \cdot 10^{-7}$	0

	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cHbox	$2.842 \cdot 10^{-8}$	$2.842 \cdot 10^{-8}$	0	$5.691 \cdot 10^{-9}$	$5.691 \cdot 10^{-9}$	0
cHl1	$-9.979 \cdot 10^{-7}$	$-9.979 \cdot 10^{-7}$	0	$1.495 \cdot 10^{-6}$	$1.495 \cdot 10^{-6}$	0
cHl3	$2.088 \cdot 10^{-6}$	$2.088 \cdot 10^{-6}$	0	$3.552 \cdot 10^{-6}$	$3.552 \cdot 10^{-6}$	0
cll1	$5.582 \cdot 10^{-8}$	$5.582 \cdot 10^{-8}$	0	$2.538 \cdot 10^{-9}$	$2.538 \cdot 10^{-9}$	0
sm	0	0	0	$3.069 \cdot 10^{-7}$	$3.069 \cdot 10^{-7}$	0

1.16 $HH \to zc\bar{c}$

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cH	$4.422 \cdot 10^{-8}$	$4.422 \cdot 10^{-8}$	0	$2.504 \cdot 10^{-10}$	$2.504 \cdot 10^{-10}$	0
cHB	$3.426 \cdot 10^{-8}$	$3.426 \cdot 10^{-8}$	0	$7.732 \cdot 10^{-8}$	$7.732 \cdot 10^{-8}$	0
cHDD	$7.234 \cdot 10^{-8}$	$7.234 \cdot 10^{-8}$	0	$4.689 \cdot 10^{-9}$	$4.689 \cdot 10^{-9}$	0
cHW	$8.888 \cdot 10^{-7}$	$8.888 \cdot 10^{-7}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0
cHWB	$2.556 \cdot 10^{-7}$	$2.556 \cdot 10^{-7}$	0	$7.249 \cdot 10^{-8}$	$7.249 \cdot 10^{-8}$	0
cHbox	$2.529 \cdot 10^{-7}$	$2.529 \cdot 10^{-7}$	0	$1.457 \cdot 10^{-8}$	$1.457 \cdot 10^{-8}$	0
cHl3	$-1.059 \cdot 10^{-6}$	$-1.059 \cdot 10^{-6}$	0	$9.63 \cdot 10^{-8}$	$9.63 \cdot 10^{-8}$	0
cHq1	$-1.609 \cdot 10^{-5}$	$-1.609 \cdot 10^{-5}$	0	$6.557 \cdot 10^{-5}$	$6.557 \cdot 10^{-5}$	0
cHq3	$2.71 \cdot 10^{-5}$	$2.71 \cdot 10^{-5}$	0	$7.43 \cdot 10^{-5}$	$7.43 \cdot 10^{-5}$	0
cHu	$6.798 \cdot 10^{-6}$	$6.798 \cdot 10^{-6}$	0	$6.559 \cdot 10^{-5}$	$6.559 \cdot 10^{-5}$	0
cll1	$5.295 \cdot 10^{-7}$	$5.295 \cdot 10^{-7}$	0	$2.408 \cdot 10^{-8}$	$2.408 \cdot 10^{-8}$	0
cuBRe	$1.471 \cdot 10^{-10}$	$1.471 \cdot 10^{-10}$	0	$7.755 \cdot 10^{-11}$	$7.755 \cdot 10^{-11}$	0
cuHRe	$-1.715 \cdot 10^{-11}$	$-1.715 \cdot 10^{-11}$	0	$2.538 \cdot 10^{-10}$	$2.538 \cdot 10^{-10}$	0
cuWRe	$-2.747 \cdot 10^{-10}$	$-2.747 \cdot 10^{-10}$	0	$2.704 \cdot 10^{-10}$	$2.704 \cdot 10^{-10}$	0
sm	0	0	0	$2.911 \cdot 10^{-6}$	$2.911 \cdot 10^{-6}$	0

1.17 $HH \to zd\bar{d}$

interference	square

	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cH	$3.682 \cdot 10^{-9}$	$3.682 \cdot 10^{-9}$	0	$1.866 \cdot 10^{-10}$	$1.866 \cdot 10^{-10}$	0
cHB	$9.177 \cdot 10^{-8}$	$9.177 \cdot 10^{-8}$	0	$2.639 \cdot 10^{-8}$	$2.639 \cdot 10^{-8}$	0
cHDD	$2.759 \cdot 10^{-8}$	$2.759 \cdot 10^{-8}$	0	$1.234 \cdot 10^{-9}$	$1.234 \cdot 10^{-9}$	0
cHW	$5.293 \cdot 10^{-7}$	$5.293 \cdot 10^{-7}$	0	$1.484 \cdot 10^{-6}$	$1.484 \cdot 10^{-6}$	0
cHWB	$3.122 \cdot 10^{-7}$	$3.122 \cdot 10^{-7}$	0	$9.206 \cdot 10^{-8}$	$9.206 \cdot 10^{-8}$	0
cHbox	$1.421 \cdot 10^{-7}$	$1.421 \cdot 10^{-7}$	0	$9.876 \cdot 10^{-9}$	$9.876 \cdot 10^{-9}$	0
cHd	$-1.345 \cdot 10^{-6}$	$-1.345 \cdot 10^{-6}$	0	$2.122 \cdot 10^{-5}$	$2.122 \cdot 10^{-5}$	0
cHl3	$-1.294 \cdot 10^{-7}$	$-1.294 \cdot 10^{-7}$	0	$1.176 \cdot 10^{-8}$	$1.176 \cdot 10^{-8}$	0
cHq1	$7.705 \cdot 10^{-6}$	$7.705 \cdot 10^{-6}$	0	$2.122 \cdot 10^{-5}$	$2.122 \cdot 10^{-5}$	0
cHq3	$2.704 \cdot 10^{-6}$	$2.704 \cdot 10^{-6}$	0	$5.297 \cdot 10^{-6}$	$5.297 \cdot 10^{-6}$	0
cdBRe	$-1.654 \cdot 10^{-15}$	$-1.654 \cdot 10^{-15}$	0	$3.723 \cdot 10^{-16}$	$3.723 \cdot 10^{-16}$	0
cdHRe	$-2.305 \cdot 10^{-15}$	$-2.305 \cdot 10^{-15}$	0	$3.463 \cdot 10^{-15}$	$3.463 \cdot 10^{-15}$	0
cdWRe	$-3.088 \cdot 10^{-15}$	$-3.088 \cdot 10^{-15}$	0	$1.298 \cdot 10^{-15}$	$1.298 \cdot 10^{-15}$	0
cll1	$6.468 \cdot 10^{-8}$	$6.468 \cdot 10^{-8}$	0	$2.941 \cdot 10^{-9}$	$2.941 \cdot 10^{-9}$	0
sm	0	0	0	$3.556 \cdot 10^{-7}$	$3.556 \cdot 10^{-7}$	0

1.18 $HH \to z e^+ e^-$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cH	$3.702 \cdot 10^{-9}$	$3.702 \cdot 10^{-9}$	0	$2.641 \cdot 10^{-9}$	$2.641 \cdot 10^{-9}$	0
cHB	$2.781 \cdot 10^{-8}$	$2.781 \cdot 10^{-8}$	0	$1.808 \cdot 10^{-7}$	$1.808 \cdot 10^{-7}$	0
cHDD	$8.882 \cdot 10^{-10}$	$8.882 \cdot 10^{-10}$	0	$1.44 \cdot 10^{-9}$	$1.44 \cdot 10^{-9}$	0
cHW	$-3.354 \cdot 10^{-7}$	$-3.354 \cdot 10^{-7}$	0	$2.239 \cdot 10^{-6}$	$2.239 \cdot 10^{-6}$	0
cHWB	$7.37 \cdot 10^{-8}$	$7.37 \cdot 10^{-8}$	0	$1.162 \cdot 10^{-7}$	$1.162 \cdot 10^{-7}$	0
cHbox	$1.889 \cdot 10^{-8}$	$1.889 \cdot 10^{-8}$	0	$2.293 \cdot 10^{-9}$	$2.293 \cdot 10^{-9}$	0
cHe	$-7.555 \cdot 10^{-8}$	$-7.555 \cdot 10^{-8}$	0	$8.932 \cdot 10^{-8}$	$8.932 \cdot 10^{-8}$	0
cHl1	$9.557 \cdot 10^{-7}$	$9.557 \cdot 10^{-7}$	0	$3.015 \cdot 10^{-6}$	$3.015 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cHl3	$7.923 \cdot 10^{-8}$	$7.923 \cdot 10^{-8}$	0	$7.365 \cdot 10^{-8}$	$7.365 \cdot 10^{-8}$	0
ceBRe	$-5.074 \cdot 10^{-19}$	$-5.074 \cdot 10^{-19}$	0	$2.205 \cdot 10^{-18}$	$2.205 \cdot 10^{-18}$	0
ceHRe	$-1.022 \cdot 10^{-18}$	$-1.022 \cdot 10^{-18}$	0	$8.365 \cdot 10^{-18}$	$8.365 \cdot 10^{-18}$	0
ceWRe	$6.3 \cdot 10^{-20}$	$6.3 \cdot 10^{-20}$	0	$2.039 \cdot 10^{-18}$	$2.039 \cdot 10^{-18}$	0
cll1	$7.402 \cdot 10^{-9}$	$7.402 \cdot 10^{-9}$	0	$3.366 \cdot 10^{-10}$	$3.366 \cdot 10^{-10}$	0
sm	0	0	0	$4.07 \cdot 10^{-8}$	$4.07 \cdot 10^{-8}$	0

1.19 $HH \rightarrow zt\bar{t}$

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cH	$4.57 \cdot 10^{-8}$	$4.57 \cdot 10^{-8}$	0	$2.108 \cdot 10^{-6}$	$2.108 \cdot 10^{-6}$	0
cHB	$-2.482 \cdot 10^{-6}$	$-2.482 \cdot 10^{-6}$	0	$9.516 \cdot 10^{-7}$	$9.516 \cdot 10^{-7}$	0
cHDD	$4.152 \cdot 10^{-5}$	$4.152 \cdot 10^{-5}$	0	$2.777 \cdot 10^{-6}$	$2.777 \cdot 10^{-6}$	0
cHW	$-3.958 \cdot 10^{-6}$	$-3.958 \cdot 10^{-6}$	0	$1.636 \cdot 10^{-5}$	$1.636 \cdot 10^{-5}$	0
cHWB	$1.339 \cdot 10^{-5}$	$1.339 \cdot 10^{-5}$	0	$3.007 \cdot 10^{-6}$	$3.007 \cdot 10^{-6}$	0
cHbox	0.0001686	0.0001686	0	$2.648 \cdot 10^{-5}$	$2.648 \cdot 10^{-5}$	0
cHl3	$-7.384 \cdot 10^{-7}$	$-7.384 \cdot 10^{-7}$	0	$6.715 \cdot 10^{-8}$	$6.715 \cdot 10^{-8}$	0
cHq1	0.0001071	0.0001071	0	$3.343 \cdot 10^{-5}$	$3.343 \cdot 10^{-5}$	0
cHq3	$-4.955 \cdot 10^{-6}$	$-4.955 \cdot 10^{-6}$	0	$1.505 \cdot 10^{-5}$	$1.505 \cdot 10^{-5}$	0
cHu	-0.0001085	-0.0001085	0	$3.342 \cdot 10^{-5}$	$3.342 \cdot 10^{-5}$	0
cll1	$3.692 \cdot 10^{-7}$	$3.692 \cdot 10^{-7}$	0	$1.679 \cdot 10^{-8}$	$1.679 \cdot 10^{-8}$	0
cuBRe	$-1.286 \cdot 10^{-5}$	$-1.286 \cdot 10^{-5}$	0	$1.115 \cdot 10^{-5}$	$1.115 \cdot 10^{-5}$	0
cuHRe	$-4.509 \cdot 10^{-5}$	$-4.509 \cdot 10^{-5}$	0	$7.265 \cdot 10^{-6}$	$7.265 \cdot 10^{-6}$	0
cuWRe	$2.402 \cdot 10^{-5}$	$2.402 \cdot 10^{-5}$	0	$3.889 \cdot 10^{-5}$	$3.889 \cdot 10^{-5}$	0
sm	0	0	0	$2.03 \cdot 10^{-6}$	$2.03 \cdot 10^{-6}$	0

1.20 $HH \rightarrow zz$

	interference			square		
	mod1	mod2	$1-\mathtt{mod2/mod1}$	mod1	mod2	$1-\mathtt{mod2/mod1}$
cH	0.355	0.355	0	0.06606	0.06606	0
cHB	0.01275	0.01275	0	0.1984	0.1984	0
cHDD	-0.514	-0.514	0	0.4377	0.4377	0
cHW	0.06471	0.06471	0	2.53	2.53	0
cHWB	0.02381	0.02381	0	0.6919	0.6919	0
cHbox	-1.052	-1.052	0	1.866	1.866	0
cHl3	-0.1349	-0.1349	0	0.00818	0.00818	0
cll1	0.06747	0.06747	0	0.002045	0.002045	0
sm	0	0	0	0.5565	0.5565	0

1.21 $HW^+ \to \gamma t\bar{b}$

	interference			square		
	mod1	mod2	$1-\mathtt{mod2/mod1}$	mod1	mod2	$1-\mathtt{mod2/mod1}$
cHB	$2.658 \cdot 10^{-7}$	$2.658 \cdot 10^{-7}$	0	$4.509 \cdot 10^{-7}$	$4.509 \cdot 10^{-7}$	0
cHDD	$-1.95 \cdot 10^{-7}$	$-1.95 \cdot 10^{-7}$	0	$6.632 \cdot 10^{-9}$	$6.632 \cdot 10^{-9}$	0
cHW	$-1.512 \cdot 10^{-6}$	$-1.512 \cdot 10^{-6}$	0	$1.368 \cdot 10^{-6}$	$1.368 \cdot 10^{-6}$	0
cHWB	$8.521 \cdot 10^{-7}$	$8.521 \cdot 10^{-7}$	0	$2.494 \cdot 10^{-6}$	$2.494 \cdot 10^{-6}$	0
cHbox	$1.739 \cdot 10^{-7}$	$1.739 \cdot 10^{-7}$	0	$5.27 \cdot 10^{-9}$	$5.27 \cdot 10^{-9}$	0
cHl3	$-6.314 \cdot 10^{-7}$	$-6.314 \cdot 10^{-7}$	0	$5.742 \cdot 10^{-8}$	$5.742 \cdot 10^{-8}$	0
cHq3	$-1.064 \cdot 10^{-6}$	$-1.064 \cdot 10^{-6}$	0	$5.19 \cdot 10^{-7}$	$5.19 \cdot 10^{-7}$	0
cHudRe	$-2.305 \cdot 10^{-11}$	$-2.305 \cdot 10^{-11}$	0	$5.254 \cdot 10^{-12}$	$5.254 \cdot 10^{-12}$	0
cW	$8.837 \cdot 10^{-7}$	$8.837 \cdot 10^{-7}$	0	$6.738 \cdot 10^{-7}$	$6.738 \cdot 10^{-7}$	0
cdBRe	$-2.087 \cdot 10^{-9}$	$-2.087 \cdot 10^{-9}$	0	$2.015 \cdot 10^{-9}$	$2.015 \cdot 10^{-9}$	0
cdHRe	$3.555 \cdot 10^{-11}$	$3.555 \cdot 10^{-11}$	0	$1.292 \cdot 10^{-12}$	$1.292 \cdot 10^{-12}$	0
cdWRe	$8.603 \cdot 10^{-10}$	$8.603 \cdot 10^{-10}$	0	$1.067 \cdot 10^{-9}$	$1.067 \cdot 10^{-9}$	0
cll1	$3.157 \cdot 10^{-7}$	$3.157 \cdot 10^{-7}$	0	$1.435 \cdot 10^{-8}$	$1.435 \cdot 10^{-8}$	0

	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
cuBRe	$-7.014\cdot10^{-7}$	$-7.014\cdot10^{-7}$	0	$7.522\cdot10^{-6}$	$7.522\cdot10^{-6}$	0
cuHRe	$1.917\cdot10^{-8}$	$1.917\cdot10^{-8}$	0	$1.589\cdot10^{-9}$	$1.589\cdot10^{-9}$	0
cuWRe	$-3.348\cdot10^{-7}$	$-3.348\cdot10^{-7}$	0	$1.775\cdot10^{-6}$	$1.775\cdot10^{-6}$	0
sm	0	0	0	$1.736\cdot10^{-6}$	$1.736\cdot10^{-6}$	0

1.22 $HW^+ \rightarrow \gamma u\bar{d}$

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
cHB	$5.3\cdot10^{-8}$	$5.3\cdot10^{-8}$	0	$8.803\cdot10^{-6}$	$8.803\cdot10^{-6}$	0
cHDD	$-7.979\cdot10^{-9}$	$-7.979\cdot10^{-9}$	0	$2.713\cdot10^{-10}$	$2.713\cdot10^{-10}$	0
cHW	$-7.981\cdot10^{-8}$	$-7.981\cdot10^{-8}$	0	$4.248\cdot10^{-7}$	$4.248\cdot10^{-7}$	0
cHWB	$-5.348\cdot10^{-7}$	$-5.348\cdot10^{-7}$	0	$6.555\cdot10^{-5}$	$6.555\cdot10^{-5}$	0
cHbox	$7.113\cdot10^{-9}$	$7.113\cdot10^{-9}$	0	$2.156\cdot10^{-10}$	$2.156\cdot10^{-10}$	0
cHl3	$-4.835\cdot10^{-8}$	$-4.835\cdot10^{-8}$	0	$4.396\cdot10^{-9}$	$4.396\cdot10^{-9}$	0
cHq3	$1.679\cdot10^{-7}$	$1.679\cdot10^{-7}$	0	$5.887\cdot10^{-8}$	$5.887\cdot10^{-8}$	0
cHudRe	$-2.8\cdot10^{-24}$	$-2.8\cdot10^{-24}$	0	$3.804\cdot10^{-26}$	$3.804\cdot10^{-26}$	0
cW	$1.563\cdot10^{-7}$	$1.563\cdot10^{-7}$	0	$2.746\cdot10^{-7}$	$2.746\cdot10^{-7}$	0
cdBRe	$-1.656\cdot10^{-15}$	$-1.656\cdot10^{-15}$	0	$7.188\cdot10^{-16}$	$7.188\cdot10^{-16}$	0
cdHRe	$-2.308\cdot10^{-15}$	$-2.308\cdot10^{-15}$	0	$9.084\cdot10^{-17}$	$9.084\cdot10^{-17}$	0
cdWRe	$2.455\cdot10^{-15}$	$2.455\cdot10^{-15}$	0	$7.537\cdot10^{-16}$	$7.537\cdot10^{-16}$	0
cll1	$2.417\cdot10^{-8}$	$2.417\cdot10^{-8}$	0	$1.099\cdot10^{-9}$	$1.099\cdot10^{-9}$	0
cuBRe	$-9.737\cdot10^{-17}$	$-9.737\cdot10^{-17}$	0	$1.225\cdot10^{-17}$	$1.225\cdot10^{-17}$	0
cuHRe	$-1.069\cdot10^{-16}$	$-1.069\cdot10^{-16}$	0	$6.607\cdot10^{-18}$	$6.607\cdot10^{-18}$	0
cuWRe	$5.1\cdot10^{-17}$	$5.1\cdot10^{-17}$	0	$2.726\cdot10^{-16}$	$2.726\cdot10^{-16}$	0
sm	0	0	0	$1.329\cdot10^{-7}$	$1.329\cdot10^{-7}$	0

1.23 $HW^+ \rightarrow u\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0006116	-0.0006116	0	$4.635 \cdot 10^{-6}$	$4.635 \cdot 10^{-6}$	0
cHW	0.01225	0.01225	0	0.05747	0.05747	0
cHbox	0.002446	0.002446	0	$7.416 \cdot 10^{-5}$	$7.416 \cdot 10^{-5}$	0
cHl3	-0.005197	-0.005197	0	0.0003151	0.0003151	0
cHq3	0.4021	0.4021	0	1.886	1.886	0
cHudRe	$-2.346 \cdot 10^{-19}$	$-2.346 \cdot 10^{-19}$	0	$4.917 \cdot 10^{-20}$	$4.917 \cdot 10^{-20}$	0
cdHRe	$-2.548 \cdot 10^{-11}$	$-2.548 \cdot 10^{-11}$	0	$4.491 \cdot 10^{-11}$	$4.491 \cdot 10^{-11}$	0
cdWRe	$-3.932 \cdot 10^{-11}$	$-3.932 \cdot 10^{-11}$	0	$1.335 \cdot 10^{-9}$	$1.335 \cdot 10^{-9}$	0
cll1	0.002599	0.002599	0	$7.877 \cdot 10^{-5}$	$7.877 \cdot 10^{-5}$	0
cuHRe	$-1.242 \cdot 10^{-12}$	$-1.242 \cdot 10^{-12}$	0	$9.384 \cdot 10^{-12}$	$9.384 \cdot 10^{-12}$	0
cuWRe	$-1.025 \cdot 10^{-11}$	$-1.025 \cdot 10^{-11}$	0	$2.681 \cdot 10^{-10}$	$2.681 \cdot 10^{-10}$	0
sm	0	0	0	0.02143	0.02143	0

1.24 $HW^- \to \bar{t}b$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.02271	-0.02271	0	0.0001721	0.0001721	0
cHW	-0.05482	-0.05482	0	0.06634	0.06634	0
cHbox	0.09086	0.09086	0	0.002754	0.002754	0
cHl3	-0.049	-0.049	0	0.002971	0.002971	0
cHq3	-0.8069	-0.8069	0	1.54	1.54	0
cHudRe	-0.001119	-0.001119	0	0.000269	0.000269	0
cdHRe	$-5.722 \cdot 10^{-5}$	$-5.722 \cdot 10^{-5}$	0	$3.723 \cdot 10^{-5}$	$3.723 \cdot 10^{-5}$	0
cdWRe	-0.0001749	-0.0001749	0	0.001154	0.001154	0
cll1	0.0245	0.0245	0	0.0007427	0.0007427	0
cuHRe	0.08047	0.08047	0	0.05046	0.05046	0

cuWRe	0.2444	0.2444	0	2.103	2.103	0
sm	0	0	0	0.2021	0.2021	0

1.25 $HW^- \to \gamma e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	$-1.764 \cdot 10^{-10}$	$-1.764 \cdot 10^{-10}$	0	$1.831 \cdot 10^{-8}$	$1.831 \cdot 10^{-8}$	0
cHDD	$-1.466 \cdot 10^{-9}$	$-1.466 \cdot 10^{-9}$	0	$4.986 \cdot 10^{-11}$	$4.986 \cdot 10^{-11}$	0
cHW	$-1.477 \cdot 10^{-9}$	$-1.477 \cdot 10^{-9}$	0	$5.421 \cdot 10^{-8}$	$5.421 \cdot 10^{-8}$	0
cHWB	$-1.042 \cdot 10^{-8}$	$-1.042 \cdot 10^{-8}$	0	$7.24 \cdot 10^{-8}$	$7.24 \cdot 10^{-8}$	0
cHbox	$1.307 \cdot 10^{-9}$	$1.307 \cdot 10^{-9}$	0	$3.962 \cdot 10^{-11}$	$3.962 \cdot 10^{-11}$	0
cHl3	$2.118 \cdot 10^{-7}$	$2.118 \cdot 10^{-7}$	0	$7.011 \cdot 10^{-7}$	$7.011 \cdot 10^{-7}$	0
cW	$1.342 \cdot 10^{-8}$	$1.342 \cdot 10^{-8}$	0	$2.398 \cdot 10^{-8}$	$2.398 \cdot 10^{-8}$	0
ceBRe	$-4.499 \cdot 10^{-19}$	$-4.499 \cdot 10^{-19}$	0	$4.273 \cdot 10^{-19}$	$4.273 \cdot 10^{-19}$	0
ceHRe	$-7.053 \cdot 10^{-19}$	$-7.053 \cdot 10^{-19}$	0	$2.493 \cdot 10^{-19}$	$2.493 \cdot 10^{-19}$	0
ceWRe	$1.464 \cdot 10^{-18}$	$1.464 \cdot 10^{-18}$	0	$6.434 \cdot 10^{-18}$	$6.434 \cdot 10^{-18}$	0
cll1	$3.3 \cdot 10^{-9}$	$3.3 \cdot 10^{-9}$	0	$1.501 \cdot 10^{-10}$	$1.501 \cdot 10^{-10}$	0
sm	0	0	0	$1.815 \cdot 10^{-8}$	$1.815 \cdot 10^{-8}$	0

1.26 $HW^- \to \mu^- \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	-0.0002067	-0.0002067	0	$1.567 \cdot 10^{-6}$	$1.567 \cdot 10^{-6}$	0
cHW	0.004013	0.004013	0	0.01882	0.01882	0
cHbox	0.0008269	0.0008269	0	$2.507 \cdot 10^{-5}$	$2.507 \cdot 10^{-5}$	0
cHl3	0.135	0.135	0	0.6249	0.6249	0
ceHRe	$-4.128 \cdot 10^{-9}$	$-4.128 \cdot 10^{-9}$	0	$7.654 \cdot 10^{-9}$	$7.654 \cdot 10^{-9}$	0

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
ceWRe	$-6.777 \cdot 10^{-9}$	$-6.777 \cdot 10^{-9}$	0	$2.325 \cdot 10^{-7}$	$2.325 \cdot 10^{-7}$	0
cll1	0.0008835	0.0008835	0	$2.678 \cdot 10^{-5}$	$2.678 \cdot 10^{-5}$	0
sm	0	0	0	0.007287	0.007287	0

1.27 $H\gamma \to b\bar{b}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	$-4.94 \cdot 10^{-8}$	$-4.94 \cdot 10^{-8}$	0	0.00491	0.00491	0
cHDD	$-1.004 \cdot 10^{-5}$	$-1.004 \cdot 10^{-5}$	0	$3.415 \cdot 10^{-7}$	$3.415 \cdot 10^{-7}$	0
cHW	$-7.784 \cdot 10^{-6}$	$-7.784 \cdot 10^{-6}$	0	0.01199	0.01199	0
cHWB	$-1.656 \cdot 10^{-5}$	$-1.656 \cdot 10^{-5}$	0	0.006578	0.006578	0
cHbox	$8.953 \cdot 10^{-6}$	$8.953 \cdot 10^{-6}$	0	$2.714 \cdot 10^{-7}$	$2.714 \cdot 10^{-7}$	0
cHl3	$-2.802 \cdot 10^{-5}$	$-2.802 \cdot 10^{-5}$	0	$1.699 \cdot 10^{-6}$	$1.699 \cdot 10^{-6}$	0
cdBRe	$-6.93 \cdot 10^{-8}$	$-6.93 \cdot 10^{-8}$	0	0.0008494	0.0008494	0
cdHRe	$-8.953 \cdot 10^{-6}$	$-8.953 \cdot 10^{-6}$	0	$2.714 \cdot 10^{-7}$	$2.714 \cdot 10^{-7}$	0
cdWRe	$3.711 \cdot 10^{-8}$	$3.711 \cdot 10^{-8}$	0	0.0002436	0.0002436	0
cll1	$1.401 \cdot 10^{-5}$	$1.401 \cdot 10^{-5}$	0	$4.247 \cdot 10^{-7}$	$4.247 \cdot 10^{-7}$	0
sm	0	0	0	0.0001156	0.0001156	0

1.28 $H\gamma \to c\bar{c}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	$-2.453 \cdot 10^{-6}$	$-2.453 \cdot 10^{-6}$	0	0.02248	0.02248	0
cHDD	$-5.873 \cdot 10^{-6}$	$-5.873 \cdot 10^{-6}$	0	$1.997 \cdot 10^{-7}$	$1.997 \cdot 10^{-7}$	0
cHW	$-1.303 \cdot 10^{-6}$	$-1.303 \cdot 10^{-6}$	0	0.01177	0.01177	0
cHWB	$-7.739 \cdot 10^{-6}$	$-7.739 \cdot 10^{-6}$	0	0.01403	0.01403	0
cHbox	$5.235 \cdot 10^{-6}$	$5.235 \cdot 10^{-6}$	0	$1.587 \cdot 10^{-7}$	$1.587 \cdot 10^{-7}$	0

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHl3	$-1\cdot10^{-5}$	$-1\cdot10^{-5}$	0	$6.064\cdot10^{-7}$	$6.064\cdot10^{-7}$	0
cll1	$5.001\cdot10^{-6}$	$5.001\cdot10^{-6}$	0	$1.516\cdot10^{-7}$	$1.516\cdot10^{-7}$	0
cuBRe	$1.195\cdot10^{-9}$	$1.195\cdot10^{-9}$	0	$7.747\cdot10^{-5}$	$7.747\cdot10^{-5}$	0
cuHRe	$-5.235\cdot10^{-6}$	$-5.235\cdot10^{-6}$	0	$1.587\cdot10^{-7}$	$1.587\cdot10^{-7}$	0
cuWRe	$6.4\cdot10^{-10}$	$6.4\cdot10^{-10}$	0	$2.222\cdot10^{-5}$	$2.222\cdot10^{-5}$	0
sm	0	0	0	$4.125\cdot10^{-5}$	$4.125\cdot10^{-5}$	0

1.29 $H\gamma \to d\bar{d}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	$-3.743\cdot10^{-12}$	$-3.743\cdot10^{-12}$	0	0.006838	0.006838	0
cHDD	$-2.095\cdot10^{-11}$	$-2.095\cdot10^{-11}$	0	$7.123\cdot10^{-13}$	$7.123\cdot10^{-13}$	0
cHW	$-3.644\cdot10^{-12}$	$-3.644\cdot10^{-12}$	0	0.01034	0.01034	0
cHWB	$-2.313\cdot10^{-11}$	$-2.313\cdot10^{-11}$	0	0.009158	0.009158	0
cHbox	$1.867\cdot10^{-11}$	$1.867\cdot10^{-11}$	0	$5.66\cdot10^{-13}$	$5.66\cdot10^{-13}$	0
cHl3	$-2.693\cdot10^{-11}$	$-2.693\cdot10^{-11}$	0	$1.633\cdot10^{-12}$	$1.633\cdot10^{-12}$	0
cdBRe	$-8.45\cdot10^{-20}$	$-8.45\cdot10^{-20}$	0	$1.377\cdot10^{-9}$	$1.377\cdot10^{-9}$	0
cdHRe	$-1.867\cdot10^{-11}$	$-1.867\cdot10^{-11}$	0	$5.66\cdot10^{-13}$	$5.66\cdot10^{-13}$	0
cdWRe	$4.525\cdot10^{-20}$	$4.525\cdot10^{-20}$	0	$3.948\cdot10^{-10}$	$3.948\cdot10^{-10}$	0
cll1	$1.347\cdot10^{-11}$	$1.347\cdot10^{-11}$	0	$4.082\cdot10^{-13}$	$4.082\cdot10^{-13}$	0
sm	0	0	0	$1.111\cdot10^{-10}$	$1.111\cdot10^{-10}$	0

1.30 $H\gamma \to e^+e^-$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	$-1.983\cdot10^{-12}$	$-1.983\cdot10^{-12}$	0	0.02551	0.02551	0
cHDD	$-1.929\cdot10^{-12}$	$-1.929\cdot10^{-12}$	0	$6.559\cdot10^{-14}$	$6.559\cdot10^{-14}$	0

cHW	$-4.441 \cdot 10^{-13}$	$-4.441 \cdot 10^{-13}$	0	0.004916	0.004916	0
cHWB	$-2.062 \cdot 10^{-12}$	$-2.062 \cdot 10^{-12}$	0	0.008841	0.008841	0
cHbox	$1.719 \cdot 10^{-12}$	$1.719 \cdot 10^{-12}$	0	$5.212 \cdot 10^{-14}$	$5.212 \cdot 10^{-14}$	0
cHl3	$-2.569 \cdot 10^{-12}$	$-2.569 \cdot 10^{-12}$	0	$1.557 \cdot 10^{-13}$	$1.557 \cdot 10^{-13}$	0
ceBRe	$1.479 \cdot 10^{-23}$	$1.479 \cdot 10^{-23}$	0	$1.546 \cdot 10^{-12}$	$1.546 \cdot 10^{-12}$	0
ceHRe	$-1.719 \cdot 10^{-12}$	$-1.719 \cdot 10^{-12}$	0	$5.212 \cdot 10^{-14}$	$5.212 \cdot 10^{-14}$	0
ceWRe	$2.237 \cdot 10^{-23}$	$2.237 \cdot 10^{-23}$	0	$5.934 \cdot 10^{-13}$	$5.934 \cdot 10^{-13}$	0
cll1	$1.284 \cdot 10^{-12}$	$1.284 \cdot 10^{-12}$	0	$3.893 \cdot 10^{-14}$	$3.893 \cdot 10^{-14}$	0
sm	0	0	0	$1.059 \cdot 10^{-11}$	$1.059 \cdot 10^{-11}$	0

1.31 $H\gamma \to t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	-0.1158	-0.1158	0	0.02637	0.02637	0
cHDD	-0.1269	-0.1269	0	0.004314	0.004314	0
cHW	-0.008367	-0.008367	0	0.009213	0.009213	0
cHWB	-0.115	-0.115	0	0.01771	0.01771	0
cHbox	0.1131	0.1131	0	0.003428	0.003428	0
cHl3	-0.1013	-0.1013	0	0.006139	0.006139	0
cll1	0.05063	0.05063	0	0.001535	0.001535	0
cuBRe	0.5785	0.5785	0	1.414	1.414	0
cuHRe	-0.1131	-0.1131	0	0.003428	0.003428	0
cuWRe	0.3098	0.3098	0	0.4055	0.4055	0
sm	0	0	0	0.4176	0.4176	0

1.32 $Hz \to \mu^+\mu^-$

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.0002367	0.0002367	0	0.002796	0.002796	0
cHDD	$6.649 \cdot 10^{-5}$	$6.649 \cdot 10^{-5}$	0	$2.885 \cdot 10^{-5}$	$2.885 \cdot 10^{-5}$	0
cHW	0.002191	0.002191	0	0.01112	0.01112	0
cHWB	0.0006538	0.0006538	0	0.001931	0.001931	0
cHbox	0.0003986	0.0003986	0	$1.208 \cdot 10^{-5}$	$1.208 \cdot 10^{-5}$	0
cHe	-0.01694	-0.01694	0	0.1385	0.1385	0
cHl1	0.05253	0.05253	0	0.3455	0.3455	0
cHl3	0.02074	0.02074	0	0.136	0.136	0
ceBRe	$-5.53 \cdot 10^{-10}$	$-5.53 \cdot 10^{-10}$	0	$5.578 \cdot 10^{-8}$	$5.578 \cdot 10^{-8}$	0
ceHRe	$2.019 \cdot 10^{-9}$	$2.019 \cdot 10^{-9}$	0	$7.446 \cdot 10^{-9}$	$7.446 \cdot 10^{-9}$	0
ceWRe	$-1.033 \cdot 10^{-9}$	$-1.033 \cdot 10^{-9}$	0	$7.193 \cdot 10^{-8}$	$7.193 \cdot 10^{-8}$	0
cll1	0.0001599	0.0001599	0	$4.846 \cdot 10^{-6}$	$4.846 \cdot 10^{-6}$	0
sm	0	0	0	0.001318	0.001318	0

1.33 $Hz \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.001367	0.001367	0	0.001111	0.001111	0
cHDD	$5.278 \cdot 10^{-20}$	$5.278 \cdot 10^{-20}$	0	$6.923 \cdot 10^{-36}$	$6.923 \cdot 10^{-36}$	0
cHW	0.003637	0.003637	0	0.0103	0.0103	0
cHWB	0.002553	0.002553	0	0.003874	0.003874	0
cHbox	$6.336 \cdot 10^{-5}$	$6.336 \cdot 10^{-5}$	0	$1.92 \cdot 10^{-6}$	$1.92 \cdot 10^{-6}$	0
cHl1	-0.007619	-0.007619	0	0.02778	0.02778	0
cHl3	0.04912	0.04912	0	0.1761	0.1761	0
cll1	0.0004154	0.0004154	0	$1.259 \cdot 10^{-5}$	$1.259 \cdot 10^{-5}$	0
sm	0	0	0	0.003426	0.003426	0

1.34 $Hz \to b\bar{b}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	0.0007892	0.0007892	0	0.0009284	0.0009284	0
cHDD	0.0004436	0.0004436	0	$1.85 \cdot 10^{-5}$	$1.85 \cdot 10^{-5}$	0
cHW	0.006139	0.006139	0	0.0205	0.0205	0
cHWB	0.002846	0.002846	0	0.003293	0.003293	0
cHbox	0.00178	0.00178	0	$5.394 \cdot 10^{-5}$	$5.394 \cdot 10^{-5}$	0
cHd	-0.04158	-0.04158	0	1.051	1.051	0
cHl3	-0.00354	-0.00354	0	0.0002146	0.0002146	0
cHq1	0.2442	0.2442	0	1.051	1.051	0
cHq3	0.2428	0.2428	0	1.045	1.045	0
cdBRe	$-1.679 \cdot 10^{-5}$	$-1.679 \cdot 10^{-5}$	0	0.0002642	0.0002642	0
cdHRe	$5.125 \cdot 10^{-7}$	$5.125 \cdot 10^{-7}$	0	$3.523 \cdot 10^{-5}$	$3.523 \cdot 10^{-5}$	0
cdWRe	$-3.135 \cdot 10^{-5}$	$-3.135 \cdot 10^{-5}$	0	0.0009212	0.0009212	0
cll1	0.00177	0.00177	0	$5.365 \cdot 10^{-5}$	$5.365 \cdot 10^{-5}$	0
sm	0	0	0	0.0146	0.0146	0

1.35 $Hz \to s\bar{s}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	0.0008334	0.0008334	0	0.0009698	0.0009698	0
cHDD	0.0004182	0.0004182	0	$9.347 \cdot 10^{-6}$	$9.347 \cdot 10^{-6}$	0
cHW	0.008093	0.008093	0	0.02689	0.02689	0
cHWB	0.002941	0.002941	0	0.003439	0.003439	0
cHbox	0.001716	0.001716	0	$5.2 \cdot 10^{-5}$	$5.2 \cdot 10^{-5}$	0
cHd	-0.04103	-0.04103	0	1.007	1.007	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHl3	-0.00251	-0.00251	0	0.0001521	0.0001521	0
cHq1	0.2352	0.2352	0	1.007	1.007	0
cHq3	0.172	0.172	0	0.7364	0.7364	0
cdBRe	$-8.321 \cdot 10^{-9}$	$-8.321 \cdot 10^{-9}$	0	$9.016 \cdot 10^{-8}$	$9.016 \cdot 10^{-8}$	0
cdHRe	$-3.947 \cdot 10^{-10}$	$-3.947 \cdot 10^{-10}$	0	$1.746 \cdot 10^{-8}$	$1.746 \cdot 10^{-8}$	0
cdWRe	$-1.554 \cdot 10^{-8}$	$-1.554 \cdot 10^{-8}$	0	$3.144 \cdot 10^{-7}$	$3.144 \cdot 10^{-7}$	0
cll1	0.001255	0.001255	0	$3.804 \cdot 10^{-5}$	$3.804 \cdot 10^{-5}$	0
sm	0	0	0	0.01035	0.01035	0

1.36 $Hz \to t\bar{t}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	-0.0123	-0.0123	0	0.004286	0.004286	0
cHDD	0.01395	0.01395	0	0.01759	0.01759	0
cHW	-0.1871	-0.1871	0	0.04286	0.04286	0
cHWB	-0.01069	-0.01069	0	0.005089	0.005089	0
cHbox	0.2294	0.2294	0	0.006954	0.006954	0
cHl3	-1.616	-1.616	0	0.098	0.098	0
cHq1	2.084	2.084	0	1.426	1.426	0
cHq3	-1.826	-1.826	0	0.4383	0.4383	0
cHu	-2.239	-2.239	0	1.426	1.426	0
cll1	0.8082	0.8082	0	0.0245	0.0245	0
cuBRe	-0.02033	-0.02033	0	0.805	0.805	0
cuHRe	0.00311	0.00311	0	0.06799	0.06799	0
cuWRe	0.03797	0.03797	0	2.807	2.807	0
sm	0	0	0	6.666	6.666	0

1.37 $Hz \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.0005563	0.0005563	0	0.005083	0.005083	0
cHDD	0.0002083	0.0002083	0	$1.613 \cdot 10^{-5}$	$1.613 \cdot 10^{-5}$	0
cHW	0.007874	0.007874	0	0.03163	0.03163	0
cHWB	0.002947	0.002947	0	0.005224	0.005224	0
cHbox	0.0005772	0.0005772	0	$1.749 \cdot 10^{-5}$	$1.749 \cdot 10^{-5}$	0
cHl3	-0.001339	-0.001339	0	$8.117 \cdot 10^{-5}$	$8.117 \cdot 10^{-5}$	0
cHq1	-0.08378	-0.08378	0	0.4345	0.4345	0
cHq3	0.09718	0.09718	0	0.504	0.504	0
cHu	0.03542	0.03542	0	0.4345	0.4345	0
cll1	0.0006695	0.0006695	0	$2.029 \cdot 10^{-5}$	$2.029 \cdot 10^{-5}$	0
cuBRe	$2.591 \cdot 10^{-12}$	$2.591 \cdot 10^{-12}$	0	$2.721 \cdot 10^{-11}$	$2.721 \cdot 10^{-11}$	0
cuHRe	$-8.02 \cdot 10^{-12}$	$-8.02 \cdot 10^{-12}$	0	$9.66 \cdot 10^{-12}$	$9.66 \cdot 10^{-12}$	0
cuWRe	$-4.838 \cdot 10^{-12}$	$-4.838 \cdot 10^{-12}$	0	$9.487 \cdot 10^{-11}$	$9.487 \cdot 10^{-11}$	0
sm	0	0	0	0.005522	0.005522	0

1.38 $W^+ W^- \to H b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$6.895 \cdot 10^{-8}$	$6.895 \cdot 10^{-8}$	0	$3.336 \cdot 10^{-9}$	$3.336 \cdot 10^{-9}$	0
cHB	$-2.87 \cdot 10^{-8}$	$-2.87 \cdot 10^{-8}$	0	$2.833 \cdot 10^{-10}$	$2.833 \cdot 10^{-10}$	0
cHDD	$-3.228 \cdot 10^{-7}$	$-3.228 \cdot 10^{-7}$	0	$7.571 \cdot 10^{-9}$	$7.571 \cdot 10^{-9}$	0
cHW	$-7.486 \cdot 10^{-6}$	$-7.486 \cdot 10^{-6}$	0	$1.014 \cdot 10^{-5}$	$1.014 \cdot 10^{-5}$	0
cHWB	$-1.373 \cdot 10^{-7}$	$-1.373 \cdot 10^{-7}$	0	$5.056 \cdot 10^{-8}$	$5.056 \cdot 10^{-8}$	0
cHbox	$4.92 \cdot 10^{-7}$	$4.92 \cdot 10^{-7}$	0	$2.418 \cdot 10^{-8}$	$2.418 \cdot 10^{-8}$	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHd	$-2.658 \cdot 10^{-8}$	$-2.658 \cdot 10^{-8}$	0	$5.618 \cdot 10^{-8}$	$5.618 \cdot 10^{-8}$	0
cHl3	$-2.143 \cdot 10^{-5}$	$-2.143 \cdot 10^{-5}$	0	$1.949 \cdot 10^{-6}$	$1.949 \cdot 10^{-6}$	0
cHq1	$7.569 \cdot 10^{-7}$	$7.569 \cdot 10^{-7}$	0	$5.614 \cdot 10^{-8}$	$5.614 \cdot 10^{-8}$	0
cHq3	$-1.368 \cdot 10^{-6}$	$-1.368 \cdot 10^{-6}$	0	$7.048 \cdot 10^{-7}$	$7.048 \cdot 10^{-7}$	0
cHudRe	$-5.406 \cdot 10^{-9}$	$-5.406 \cdot 10^{-9}$	0	$5.381 \cdot 10^{-10}$	$5.381 \cdot 10^{-10}$	0
cW	$-1.128 \cdot 10^{-5}$	$-1.128 \cdot 10^{-5}$	0	$1.381 \cdot 10^{-5}$	$1.381 \cdot 10^{-5}$	0
cdBRe	$-8.709 \cdot 10^{-9}$	$-8.709 \cdot 10^{-9}$	0	$4.112 \cdot 10^{-11}$	$4.112 \cdot 10^{-11}$	0
cdHRe	$-1.881 \cdot 10^{-10}$	$-1.881 \cdot 10^{-10}$	0	$9.418 \cdot 10^{-12}$	$9.418 \cdot 10^{-12}$	0
cdWRe	$-4.645 \cdot 10^{-8}$	$-4.645 \cdot 10^{-8}$	0	$1.542 \cdot 10^{-9}$	$1.542 \cdot 10^{-9}$	0
cll1	$1.072 \cdot 10^{-5}$	$1.072 \cdot 10^{-5}$	0	$4.872 \cdot 10^{-7}$	$4.872 \cdot 10^{-7}$	0
cuHRe	$3.028 \cdot 10^{-7}$	$3.028 \cdot 10^{-7}$	0	$1.169 \cdot 10^{-8}$	$1.169 \cdot 10^{-8}$	0
cuWRe	$-2.873 \cdot 10^{-7}$	$-2.873 \cdot 10^{-7}$	0	$4.528 \cdot 10^{-6}$	$4.528 \cdot 10^{-6}$	0
sm	0	0	0	$5.892 \cdot 10^{-5}$	$5.892 \cdot 10^{-5}$	0

1.39 $W^+W^- \to Hc\bar{c}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cH	$-1.108 \cdot 10^{-9}$	$-1.108 \cdot 10^{-9}$	0	$1.675 \cdot 10^{-10}$	$1.675 \cdot 10^{-10}$	0
cHB	$2.756 \cdot 10^{-9}$	$2.756 \cdot 10^{-9}$	0	$2.357 \cdot 10^{-10}$	$2.357 \cdot 10^{-10}$	0
cHDD	$-1.369 \cdot 10^{-8}$	$-1.369 \cdot 10^{-8}$	0	$3.399 \cdot 10^{-10}$	$3.399 \cdot 10^{-10}$	0
cHW	$-1.109 \cdot 10^{-5}$	$-1.109 \cdot 10^{-5}$	0	$5.996 \cdot 10^{-5}$	$5.996 \cdot 10^{-5}$	0
cHWB	$2.484 \cdot 10^{-8}$	$2.484 \cdot 10^{-8}$	0	$4.672 \cdot 10^{-8}$	$4.672 \cdot 10^{-8}$	0
cHbox	$1.954 \cdot 10^{-8}$	$1.954 \cdot 10^{-8}$	0	$6.865 \cdot 10^{-10}$	$6.865 \cdot 10^{-10}$	0
cHl3	$-2.43 \cdot 10^{-5}$	$-2.43 \cdot 10^{-5}$	0	$2.21 \cdot 10^{-6}$	$2.21 \cdot 10^{-6}$	0
cHq1	$-2.65 \cdot 10^{-8}$	$-2.65 \cdot 10^{-8}$	0	$2.458 \cdot 10^{-7}$	$2.458 \cdot 10^{-7}$	0
cHq3	-0.0004892	-0.0004892	0	0.001079	0.001079	0
cHu	$3.216 \cdot 10^{-8}$	$3.216 \cdot 10^{-8}$	0	$2.459 \cdot 10^{-7}$	$2.459 \cdot 10^{-7}$	0
cHudRe	$-4.478 \cdot 10^{-18}$	$-4.478 \cdot 10^{-18}$	0	$1.54 \cdot 10^{-24}$	$1.54 \cdot 10^{-24}$	0

	interference			square		
cW	$-1.373 \cdot 10^{-6}$	$-1.373 \cdot 10^{-6}$	0	$9.961 \cdot 10^{-6}$	$9.961 \cdot 10^{-6}$	0
cdHRe	$2.268 \cdot 10^{-14}$	$2.268 \cdot 10^{-14}$	0	$8.269 \cdot 10^{-22}$	$8.269 \cdot 10^{-22}$	0
cdWRe	$-2.801 \cdot 10^{-11}$	$-2.801 \cdot 10^{-11}$	0	$8.348 \cdot 10^{-16}$	$8.348 \cdot 10^{-16}$	0
cll1	$1.215 \cdot 10^{-5}$	$1.215 \cdot 10^{-5}$	0	$5.525 \cdot 10^{-7}$	$5.525 \cdot 10^{-7}$	0
cuBRe	$-3.526 \cdot 10^{-12}$	$-3.526 \cdot 10^{-12}$	0	$6.064 \cdot 10^{-13}$	$6.064 \cdot 10^{-13}$	0
cuHRe	$-6.237 \cdot 10^{-12}$	$-6.237 \cdot 10^{-12}$	0	$6.488 \cdot 10^{-12}$	$6.488 \cdot 10^{-12}$	0
cuWRe	$4.262 \cdot 10^{-11}$	$4.262 \cdot 10^{-11}$	0	$6.097 \cdot 10^{-11}$	$6.097 \cdot 10^{-11}$	0
sm	0	0	0	$6.681 \cdot 10^{-5}$	$6.681 \cdot 10^{-5}$	0

1.40 $W^+W^- \to Hd\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$2.217 \cdot 10^{-16}$	$2.217 \cdot 10^{-16}$	0	$1.803 \cdot 10^{-16}$	$1.803 \cdot 10^{-16}$	0
cHB	$-5.342 \cdot 10^{-9}$	$-5.342 \cdot 10^{-9}$	0	$9.055 \cdot 10^{-11}$	$9.055 \cdot 10^{-11}$	0
cHDD	$-3.067 \cdot 10^{-8}$	$-3.067 \cdot 10^{-8}$	0	$6.847 \cdot 10^{-10}$	$6.847 \cdot 10^{-10}$	0
cHW	$-2.553 \cdot 10^{-7}$	$-2.553 \cdot 10^{-7}$	0	$2.143 \cdot 10^{-7}$	$2.143 \cdot 10^{-7}$	0
cHWB	$-3.488 \cdot 10^{-8}$	$-3.488 \cdot 10^{-8}$	0	$1.311 \cdot 10^{-8}$	$1.311 \cdot 10^{-8}$	0
cHbox	$4.474 \cdot 10^{-8}$	$4.474 \cdot 10^{-8}$	0	$1.356 \cdot 10^{-9}$	$1.356 \cdot 10^{-9}$	0
cHd	$-3.65 \cdot 10^{-8}$	$-3.65 \cdot 10^{-8}$	0	$4.56 \cdot 10^{-7}$	$4.56 \cdot 10^{-7}$	0
cHl3	$-6.428 \cdot 10^{-7}$	$-6.428 \cdot 10^{-7}$	0	$5.845 \cdot 10^{-8}$	$5.845 \cdot 10^{-8}$	0
cHq1	$3.693 \cdot 10^{-7}$	$3.693 \cdot 10^{-7}$	0	$4.547 \cdot 10^{-7}$	$4.547 \cdot 10^{-7}$	0
cHq3	$-8.67 \cdot 10^{-7}$	$-8.67 \cdot 10^{-7}$	0	$2.222 \cdot 10^{-6}$	$2.222 \cdot 10^{-6}$	0
cHudRe	$-8.431 \cdot 10^{-26}$	$-8.431 \cdot 10^{-26}$	0	$6.139 \cdot 10^{-36}$	$6.139 \cdot 10^{-36}$	0
cW	$-5.813 \cdot 10^{-7}$	$-5.813 \cdot 10^{-7}$	0	$1.146 \cdot 10^{-6}$	$1.146 \cdot 10^{-6}$	0
cdBRe	$2.317 \cdot 10^{-16}$	$2.317 \cdot 10^{-16}$	0	$5.096 \cdot 10^{-18}$	$5.096 \cdot 10^{-18}$	0
cdHRe	$-4.954 \cdot 10^{-17}$	$-4.954 \cdot 10^{-17}$	0	$3.602 \cdot 10^{-17}$	$3.602 \cdot 10^{-17}$	0
cdWRe	$2.709 \cdot 10^{-15}$	$2.709 \cdot 10^{-15}$	0	$3.285 \cdot 10^{-15}$	$3.285 \cdot 10^{-15}$	0
cll1	$3.214 \cdot 10^{-7}$	$3.214 \cdot 10^{-7}$	0	$1.461 \cdot 10^{-8}$	$1.461 \cdot 10^{-8}$	0

	interference			square		
cuHRe	$2.143 \cdot 10^{-17}$	$2.143 \cdot 10^{-17}$	0	$3.349 \cdot 10^{-28}$	$3.349 \cdot 10^{-28}$	0
cuWRe	$-8.516 \cdot 10^{-17}$	$-8.516 \cdot 10^{-17}$	0	$8.514 \cdot 10^{-26}$	$8.514 \cdot 10^{-26}$	0
sm	0	0	0	$1.767 \cdot 10^{-6}$	$1.767 \cdot 10^{-6}$	0

1.41 $W^+W^- \to Ht\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cH	$2.759 \cdot 10^{-7}$	$2.759 \cdot 10^{-7}$	0	$6.053 \cdot 10^{-8}$	$6.053 \cdot 10^{-8}$	0
cHB	$8.004 \cdot 10^{-9}$	$8.004 \cdot 10^{-9}$	0	$5.772 \cdot 10^{-10}$	$5.772 \cdot 10^{-10}$	0
cHDD	$-4.329 \cdot 10^{-7}$	$-4.329 \cdot 10^{-7}$	0	$2.281 \cdot 10^{-7}$	$2.281 \cdot 10^{-7}$	0
cHW	$3.162 \cdot 10^{-6}$	$3.162 \cdot 10^{-6}$	0	$1.047 \cdot 10^{-5}$	$1.047 \cdot 10^{-5}$	0
cHWB	$3.025 \cdot 10^{-7}$	$3.025 \cdot 10^{-7}$	0	$1.127 \cdot 10^{-7}$	$1.127 \cdot 10^{-7}$	0
cHbox	$-1.029 \cdot 10^{-7}$	$-1.029 \cdot 10^{-7}$	0	$3.229 \cdot 10^{-6}$	$3.229 \cdot 10^{-6}$	0
cHl3	$-1.282 \cdot 10^{-5}$	$-1.282 \cdot 10^{-5}$	0	$1.166 \cdot 10^{-6}$	$1.166 \cdot 10^{-6}$	0
cHq1	$1.03 \cdot 10^{-6}$	$1.03 \cdot 10^{-6}$	0	$1.074 \cdot 10^{-6}$	$1.074 \cdot 10^{-6}$	0
cHq3	$1.91 \cdot 10^{-5}$	$1.91 \cdot 10^{-5}$	0	$9.357 \cdot 10^{-6}$	$9.357 \cdot 10^{-6}$	0
cHu	$-8.18 \cdot 10^{-7}$	$-8.18 \cdot 10^{-7}$	0	$1.069 \cdot 10^{-6}$	$1.069 \cdot 10^{-6}$	0
cHudRe	$-6.416 \cdot 10^{-10}$	$-6.416 \cdot 10^{-10}$	0	$5.315 \cdot 10^{-13}$	$5.315 \cdot 10^{-13}$	0
cW	$3.056 \cdot 10^{-7}$	$3.056 \cdot 10^{-7}$	0	$4.747 \cdot 10^{-6}$	$4.747 \cdot 10^{-6}$	0
cdHRe	$2.791 \cdot 10^{-10}$	$2.791 \cdot 10^{-10}$	0	$4.078 \cdot 10^{-14}$	$4.078 \cdot 10^{-14}$	0
cdWRe	$-2.252 \cdot 10^{-9}$	$-2.252 \cdot 10^{-9}$	0	$5.647 \cdot 10^{-12}$	$5.647 \cdot 10^{-12}$	0
cll1	$6.409 \cdot 10^{-6}$	$6.409 \cdot 10^{-6}$	0	$2.914 \cdot 10^{-7}$	$2.914 \cdot 10^{-7}$	0
cuBRe	$-1.079 \cdot 10^{-7}$	$-1.079 \cdot 10^{-7}$	0	$2.624 \cdot 10^{-8}$	$2.624 \cdot 10^{-8}$	0
cuHRe	$9.317 \cdot 10^{-8}$	$9.317 \cdot 10^{-8}$	0	$3.849 \cdot 10^{-7}$	$3.849 \cdot 10^{-7}$	0
cuWRe	$-1.193 \cdot 10^{-6}$	$-1.193 \cdot 10^{-6}$	0	$3.113 \cdot 10^{-5}$	$3.113 \cdot 10^{-5}$	0
sm	0	0	0	$3.524 \cdot 10^{-5}$	$3.524 \cdot 10^{-5}$	0

1.42 $W^+W^- \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	2.779	2.779	0	0.04228	0.04228	0
cHW	0.2485	0.2485	0	2.72	2.72	0
cHWB	-0.1225	-0.1225	0	0.02493	0.02493	0
cHbox	6.457	6.457	0	0.229	0.229	0
cHl3	-1.257	-1.257	0	0.07623	0.07623	0
cW	0.1041	0.1041	0	2.108	2.108	0
cll1	0.6287	0.6287	0	0.01906	0.01906	0
sm	0	0	0	5.185	5.185	0

1.43 $W^+W^- \to \gamma\gamma$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	-0.04576	-0.04576	0	0.2771	0.2771	0
cHDD	-0.01787	-0.01787	0	0.0009446	0.0009446	0
cHW	-0.01143	-0.01143	0	0.02279	0.02279	0
cHWB	-0.0506	-0.0506	0	0.08149	0.08149	0
cHl3	-0.1709	-0.1709	0	0.01036	0.01036	0
cW	0.002092	0.002092	0	0.6378	0.6378	0
cll1	0.08546	0.08546	0	0.00259	0.00259	0
sm	0	0	0	0.7048	0.7048	0

1.44 $W^+W^- \to \gamma\gamma\gamma$

	interference			square		

	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
cHB	$-6.648 \cdot 10^{-7}$	$-6.648 \cdot 10^{-7}$	0	$7.262 \cdot 10^{-6}$	$7.262 \cdot 10^{-6}$	0
cHDD	-0.0001044	-0.0001044	0	$8.274 \cdot 10^{-6}$	$8.274 \cdot 10^{-6}$	0
cHW	$-2.611 \cdot 10^{-9}$	$-2.611 \cdot 10^{-9}$	0	$1.566 \cdot 10^{-8}$	$1.566 \cdot 10^{-8}$	0
cHWB	-0.0001517	-0.0001517	0	$2.226 \cdot 10^{-5}$	$2.226 \cdot 10^{-5}$	0
cHl3	$-2.553 \cdot 10^{-7}$	$-2.553 \cdot 10^{-7}$	0	$2.321 \cdot 10^{-8}$	$2.321 \cdot 10^{-8}$	0
cW	$4.049 \cdot 10^{-8}$	$4.049 \cdot 10^{-8}$	0	$2.082 \cdot 10^{-6}$	$2.082 \cdot 10^{-6}$	0
cll1	$1.276 \cdot 10^{-7}$	$1.276 \cdot 10^{-7}$	0	$5.803 \cdot 10^{-9}$	$5.803 \cdot 10^{-9}$	0
sm	0	0	0	$7.018 \cdot 10^{-7}$	$7.018 \cdot 10^{-7}$	0

1.45 $\quad \bar{b}t \to \bar{d}u$

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
cHl3	-0.01095	-0.01095	0	0.000664	0.000664	0
cHq3	0.01095	0.01095	0	0.000664	0.000664	0
cHudRe	$-4.802 \cdot 10^{-8}$	$-4.802 \cdot 10^{-8}$	0	$1.015 \cdot 10^{-9}$	$1.015 \cdot 10^{-9}$	0
cdWRe	$-9.763 \cdot 10^{-6}$	$-9.763 \cdot 10^{-6}$	0	$2.899 \cdot 10^{-7}$	$2.899 \cdot 10^{-7}$	0
cll1	0.005476	0.005476	0	0.000166	0.000166	0
cqq11	0.2807	0.2807	0	3.924	3.924	0
cqq3	1.684	1.684	0	15.7	15.7	0
cqq31	-0.2807	-0.2807	0	3.924	3.924	0
cquqd11Re	$-2.429 \cdot 10^{-11}$	$-2.429 \cdot 10^{-11}$	0	$7.489 \cdot 10^{-12}$	$7.489 \cdot 10^{-12}$	0
cquqd1Re	$-3.529 \cdot 10^{-10}$	$-3.529 \cdot 10^{-10}$	0	$1.771 \cdot 10^{-10}$	$1.771 \cdot 10^{-10}$	0
cquqd81Re	$-3.565 \cdot 10^{-12}$	$-3.565 \cdot 10^{-12}$	0	$1.497 \cdot 10^{-14}$	$1.497 \cdot 10^{-14}$	0
cquqd8Re	$-1.13 \cdot 10^{-26}$	$-1.13 \cdot 10^{-26}$	0	$3.936 \cdot 10^{-11}$	$3.936 \cdot 10^{-11}$	0
cuWRe	-0.01357	-0.01357	0	0.009061	0.009061	0
sm	0	0	0	0.04517	0.04517	0

1.46 $\gamma W^+ \to z W^+$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	-0.05602	-0.05602	0	0.0896	0.0896	0
cHDD	-0.03927	-0.03927	0	0.0007402	0.0007402	0
cHW	-0.0005463	-0.0005463	0	0.0001184	0.0001184	0
cHWB	0.05699	0.05699	0	0.4478	0.4478	0
cHl3	-0.02562	-0.02562	0	0.001553	0.001553	0
cW	-0.00466	-0.00466	0	0.0696	0.0696	0
cll1	0.01281	0.01281	0	0.0003883	0.0003883	0
sm	0	0	0	0.1056	0.1056	0

1.47 $\mu^+\mu^- \to \tau^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.001457	-0.001457	0	$9.478 \cdot 10^{-5}$	$9.478 \cdot 10^{-5}$	0
cHWB	-0.003457	-0.003457	0	0.0005257	0.0005257	0
cHbox	$2.376 \cdot 10^{-12}$	$2.376 \cdot 10^{-12}$	0	$1.455 \cdot 10^{-13}$	$1.455 \cdot 10^{-13}$	0
cHe	-0.001572	-0.001572	0	$4.837 \cdot 10^{-5}$	$4.837 \cdot 10^{-5}$	0
cHl1	-0.0002858	-0.0002858	0	$2.121 \cdot 10^{-5}$	$2.121 \cdot 10^{-5}$	0
cHl3	-0.004898	-0.004898	0	0.0002383	0.0002383	0
ceBRe	$1.052 \cdot 10^{-6}$	$1.052 \cdot 10^{-6}$	0	$7.728 \cdot 10^{-7}$	$7.728 \cdot 10^{-7}$	0
ceHRe	$-2.376 \cdot 10^{-12}$	$-2.376 \cdot 10^{-12}$	0	$1.455 \cdot 10^{-13}$	$1.455 \cdot 10^{-13}$	0
ceWRe	$-1.094 \cdot 10^{-6}$	$-1.094 \cdot 10^{-6}$	0	$1.815 \cdot 10^{-7}$	$1.815 \cdot 10^{-7}$	0
cee	0.4223	0.4223	0	3.447	3.447	0
cle	0.001252	0.001252	0	0.01028	0.01028	0
cll	0.04149	0.04149	0	0.3017	0.3017	0

cll1	0.4776	0.4776	0	3.476	3.476	0
sm	0	0	0	0.02927	0.02927	0

1.48 $\nu_\tau \bar{\nu}_\tau \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cHDD	-0.03606	-0.03606	0	0.0005466	0.0005466	0
cHl1	-0.1443	-0.1443	0	0.008745	0.008745	0
cHl3	$1.114 \cdot 10^{-19}$	$1.114 \cdot 10^{-19}$	0	$7.523 \cdot 10^{-37}$	$7.523 \cdot 10^{-37}$	0
cll	-5.392	-5.392	0	12.22	12.22	0
cll1	-1.858	-1.858	0	9.058	9.058	0
sm	0	0	0	0.09525	0.09525	0

1.49 $\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cHDD	-0.0008277	-0.0008277	0	$1.254 \cdot 10^{-5}$	$1.254 \cdot 10^{-5}$	0
cHl1	-0.003311	-0.003311	0	0.0002007	0.0002007	0
cHl3	$1.862 \cdot 10^{-22}$	$1.862 \cdot 10^{-22}$	0	$9.184 \cdot 10^{-40}$	$9.184 \cdot 10^{-40}$	0
cll	0.3948	0.3948	0	2.855	2.855	0
cll1	0.0002763	0.0002763	0	0.002006	0.002006	0
sm	0	0	0	$9.512 \cdot 10^{-6}$	$9.512 \cdot 10^{-6}$	0

1.50 $b\bar{b} \to \gamma\gamma$

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-3.891 \cdot 10^{-7}$	$-3.891 \cdot 10^{-7}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0
cHDD	$-1.577 \cdot 10^{-5}$	$-1.577 \cdot 10^{-5}$	0	$8.335 \cdot 10^{-7}$	$8.335 \cdot 10^{-7}$	0
cHW	$-3.898 \cdot 10^{-7}$	$-3.898 \cdot 10^{-7}$	0	$5.97 \cdot 10^{-7}$	$5.97 \cdot 10^{-7}$	0
cHWB	$-3.357 \cdot 10^{-5}$	$-3.357 \cdot 10^{-5}$	0	$5.859 \cdot 10^{-6}$	$5.859 \cdot 10^{-6}$	0
cHl3	-0.0001082	-0.0001082	0	$6.557 \cdot 10^{-6}$	$6.557 \cdot 10^{-6}$	0
cdBRe	$6.239 \cdot 10^{-7}$	$6.239 \cdot 10^{-7}$	0	$1.147 \cdot 10^{-6}$	$1.147 \cdot 10^{-6}$	0
cdWRe	$-3.341 \cdot 10^{-7}$	$-3.341 \cdot 10^{-7}$	0	$3.289 \cdot 10^{-7}$	$3.289 \cdot 10^{-7}$	0
cll1	$5.408 \cdot 10^{-5}$	$5.408 \cdot 10^{-5}$	0	$1.639 \cdot 10^{-6}$	$1.639 \cdot 10^{-6}$	0
sm	0	0	0	0.000446	0.000446	0

1.51 $b\bar{b} \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-3.527 \cdot 10^{-5}$	$-3.527 \cdot 10^{-5}$	0	$3.787 \cdot 10^{-6}$	$3.787 \cdot 10^{-6}$	0
cHWB	$-6.848 \cdot 10^{-5}$	$-6.848 \cdot 10^{-5}$	0	$1.11 \cdot 10^{-5}$	$1.11 \cdot 10^{-5}$	0
cHbox	$4.424 \cdot 10^{-12}$	$4.424 \cdot 10^{-12}$	0	$2.684 \cdot 10^{-13}$	$2.684 \cdot 10^{-13}$	0
cHd	$-1.065 \cdot 10^{-6}$	$-1.065 \cdot 10^{-6}$	0	$3.133 \cdot 10^{-6}$	$3.133 \cdot 10^{-6}$	0
cHe	$-9.295 \cdot 10^{-5}$	$-9.295 \cdot 10^{-5}$	0	$1.593 \cdot 10^{-5}$	$1.593 \cdot 10^{-5}$	0
cHl1	$8.695 \cdot 10^{-5}$	$8.695 \cdot 10^{-5}$	0	$3.549 \cdot 10^{-6}$	$3.549 \cdot 10^{-6}$	0
cHl3	$-8.027 \cdot 10^{-5}$	$-8.027 \cdot 10^{-5}$	0	$6.298 \cdot 10^{-6}$	$6.298 \cdot 10^{-6}$	0
cHq1	$7.583 \cdot 10^{-5}$	$7.583 \cdot 10^{-5}$	0	$2.862 \cdot 10^{-6}$	$2.862 \cdot 10^{-6}$	0
cHq3	$4.894 \cdot 10^{-5}$	$4.894 \cdot 10^{-5}$	0	$4.374 \cdot 10^{-6}$	$4.374 \cdot 10^{-6}$	0
cdBRe	$-1.239 \cdot 10^{-7}$	$-1.239 \cdot 10^{-7}$	0	$2.18 \cdot 10^{-7}$	$2.18 \cdot 10^{-7}$	0
cdHRe	$-2.212 \cdot 10^{-12}$	$-2.212 \cdot 10^{-12}$	0	$6.71 \cdot 10^{-14}$	$6.71 \cdot 10^{-14}$	0
cdWRe	$-3.48 \cdot 10^{-7}$	$-3.48 \cdot 10^{-7}$	0	$1.533 \cdot 10^{-7}$	$1.533 \cdot 10^{-7}$	0
ceBRe	$4.606 \cdot 10^{-11}$	$4.606 \cdot 10^{-11}$	0	$1.264 \cdot 10^{-10}$	$1.264 \cdot 10^{-10}$	0
ceHRe	$-2.212 \cdot 10^{-12}$	$-2.212 \cdot 10^{-12}$	0	$6.71 \cdot 10^{-14}$	$6.71 \cdot 10^{-14}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
ceWRe	$1.69 \cdot 10^{-10}$	$1.69 \cdot 10^{-10}$	0	$9.833 \cdot 10^{-11}$	$9.833 \cdot 10^{-11}$	0
ced	$2.686 \cdot 10^{-5}$	$2.686 \cdot 10^{-5}$	0	0.0003318	0.0003318	0
cld	0.01268	0.01268	0	0.3126	0.3126	0
cledqRe	$-7.105 \cdot 10^{-11}$	$-7.105 \cdot 10^{-11}$	0	$3.538 \cdot 10^{-11}$	$3.538 \cdot 10^{-11}$	0
cll1	$3.247 \cdot 10^{-5}$	$3.247 \cdot 10^{-5}$	0	$9.841 \cdot 10^{-7}$	$9.841 \cdot 10^{-7}$	0
clq1	0.0129	0.0129	0	0.06654	0.06654	0
clq3	$6.457 \cdot 10^{-5}$	$6.457 \cdot 10^{-5}$	0	0.0003318	0.0003318	0
cqe	-0.004247	-0.004247	0	0.102	0.102	0
sm	0	0	0	0.0002678	0.0002678	0

1.52 $\quad b\bar{b} \to \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHDD	$-5.091 \cdot 10^{-5}$	$-5.091 \cdot 10^{-5}$	0	$5.951 \cdot 10^{-7}$	$5.951 \cdot 10^{-7}$	0
cHWB	$7.298 \cdot 10^{-5}$	$7.298 \cdot 10^{-5}$	0	$9.821 \cdot 10^{-7}$	$9.821 \cdot 10^{-7}$	0
cHd	$-1.415 \cdot 10^{-5}$	$-1.415 \cdot 10^{-5}$	0	$2.889 \cdot 10^{-6}$	$2.889 \cdot 10^{-6}$	0
cHl1	-0.0002381	-0.0002381	0	$7.218 \cdot 10^{-6}$	$7.218 \cdot 10^{-6}$	0
cHl3	$-1.692 \cdot 10^{-5}$	$-1.692 \cdot 10^{-5}$	0	$5.129 \cdot 10^{-7}$	$5.129 \cdot 10^{-7}$	0
cHq1	0.0002772	0.0002772	0	$9.869 \cdot 10^{-6}$	$9.869 \cdot 10^{-6}$	0
cHq3	$1.957 \cdot 10^{-6}$	$1.957 \cdot 10^{-6}$	0	$6.974 \cdot 10^{-8}$	$6.974 \cdot 10^{-8}$	0
cdBRe	$1.068 \cdot 10^{-7}$	$1.068 \cdot 10^{-7}$	0	$7.472 \cdot 10^{-8}$	$7.472 \cdot 10^{-8}$	0
cdWRe	$1.995 \cdot 10^{-7}$	$1.995 \cdot 10^{-7}$	0	$2.606 \cdot 10^{-7}$	$2.606 \cdot 10^{-7}$	0
cld	0.01224	0.01224	0	0.298	0.298	0
cll1	$1.692 \cdot 10^{-5}$	$1.692 \cdot 10^{-5}$	0	$5.129 \cdot 10^{-7}$	$5.129 \cdot 10^{-7}$	0
clq1	-0.03306	-0.03306	0	0.1404	0.1404	0
clq3	0.0002334	0.0002334	0	0.0009919	0.0009919	0
sm	0	0	0	0.0001395	0.0001395	0

1.53 $b\bar{b} \to b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.001694	0.001694	0	$7.046 \cdot 10^{-6}$	$7.046 \cdot 10^{-6}$	0
cHWB	0.001386	0.001386	0	$9.647 \cdot 10^{-6}$	$9.647 \cdot 10^{-6}$	0
cHbox	-0.0001058	-0.0001058	0	$2.821 \cdot 10^{-9}$	$2.821 \cdot 10^{-9}$	0
cHd	0.001376	0.001376	0	0.000323	0.000323	0
cHl3	-1.012	-1.012	0	0.1349	0.1349	0
cHq1	-0.009492	-0.009492	0	0.000104	0.000104	0
cHq3	1.134	1.134	0	0.1426	0.1426	0
cdBRe	-0.0004975	-0.0004975	0	0.0001271	0.0001271	0
cdGRe	-0.003657	-0.003657	0	0.006274	0.006274	0
cdHRe	0.0001058	0.0001058	0	$2.821 \cdot 10^{-9}$	$2.821 \cdot 10^{-9}$	0
cdWRe	0.003329	0.003329	0	0.0006879	0.0006879	0
cdd	-0.3307	-0.3307	0	1.838	1.838	0
cdd1	-0.3307	-0.3307	0	1.838	1.838	0
cll1	0.5059	0.5059	0	0.03372	0.03372	0
cqd1	0.3967	0.3967	0	2.002	2.002	0
cqd8	-47.02	-47.02	0	0.4448	0.4448	0
cqq1	-101.5	-101.5	0	10.08	10.08	0
cqq11	-101.5	-101.5	0	10.08	10.08	0
cqq3	-101.5	-101.5	0	10.08	10.08	0
cqq31	-101.5	-101.5	0	10.08	10.08	0
sm	0	0	0	2441	2441	0

1.54 $b\bar{b} \to d\bar{d}$

	interference			square		

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-2.679 \cdot 10^{-5}$	$-2.679 \cdot 10^{-5}$	0	$1.194 \cdot 10^{-6}$	$1.194 \cdot 10^{-6}$	0
cHWB	$3.488 \cdot 10^{-5}$	$3.488 \cdot 10^{-5}$	0	$1.672 \cdot 10^{-6}$	$1.672 \cdot 10^{-6}$	0
cHbox	$2.588 \cdot 10^{-14}$	$2.588 \cdot 10^{-14}$	0	$1.573 \cdot 10^{-15}$	$1.573 \cdot 10^{-15}$	0
cHd	-0.0001017	-0.0001017	0	$4.964 \cdot 10^{-5}$	$4.964 \cdot 10^{-5}$	0
cHl3	-0.002512	-0.002512	0	0.0001523	0.0001523	0
cHq1	0.0003135	0.0003135	0	$2.062 \cdot 10^{-5}$	$2.062 \cdot 10^{-5}$	0
cHq3	0.002629	0.002629	0	0.0001694	0.0001694	0
cdBRe	$-6.429 \cdot 10^{-7}$	$-6.429 \cdot 10^{-7}$	0	$1.938 \cdot 10^{-7}$	$1.938 \cdot 10^{-7}$	0
cdGRe	-0.000112	-0.000112	0	$7.429 \cdot 10^{-6}$	$7.429 \cdot 10^{-6}$	0
cdHRe	$-2.588 \cdot 10^{-14}$	$-2.588 \cdot 10^{-14}$	0	$1.573 \cdot 10^{-15}$	$1.573 \cdot 10^{-15}$	0
cdWRe	$-4.614 \cdot 10^{-6}$	$-4.614 \cdot 10^{-6}$	0	$1.22 \cdot 10^{-6}$	$1.22 \cdot 10^{-6}$	0
cdd	0.005106	0.005106	0	0.3752	0.3752	0
cdd1	0.2488	0.2488	0	0.3752	0.3752	0
cll1	0.001256	0.001256	0	$3.807 \cdot 10^{-5}$	$3.807 \cdot 10^{-5}$	0
cqd1	-0.0002132	-0.0002132	0	0.01568	0.01568	0
cqd8	0.01035	0.01035	0	0.003484	0.003484	0
cqq1	0.3683	0.3683	0	3.323	3.323	0
cqq11	2.311	2.311	0	3.323	3.323	0
cqq3	0.3683	0.3683	0	3.323	3.323	0
cqq31	2.311	2.311	0	3.323	3.323	0
sm	0	0	0	0.8286	0.8286	0

1.55 $b\bar{b} \to t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.0003639	0.0003639	0	$4.641 \cdot 10^{-6}$	$4.641 \cdot 10^{-6}$	0
cHWB	-0.0002946	-0.0002946	0	$1.427 \cdot 10^{-5}$	$1.427 \cdot 10^{-5}$	0

cHbox	$2.054 \cdot 10^{-5}$	$2.054 \cdot 10^{-5}$	0	$1.896 \cdot 10^{-6}$	$1.896 \cdot 10^{-6}$	0
cHd	$-5.361 \cdot 10^{-6}$	$-5.361 \cdot 10^{-6}$	0	$1.149 \cdot 10^{-5}$	$1.149 \cdot 10^{-5}$	0
cHl3	-0.08482	-0.08482	0	0.01162	0.01162	0
cHq1	-0.0006197	-0.0006197	0	$2.865 \cdot 10^{-6}$	$2.865 \cdot 10^{-6}$	0
cHq3	0.08479	0.08479	0	0.01162	0.01162	0
cHu	-0.001368	-0.001368	0	$1.64 \cdot 10^{-5}$	$1.64 \cdot 10^{-5}$	0
cHudRe	$5.279 \cdot 10^{-6}$	$5.279 \cdot 10^{-6}$	0	$4.59 \cdot 10^{-7}$	$4.59 \cdot 10^{-7}$	0
cdBRe	$8.758 \cdot 10^{-7}$	$8.758 \cdot 10^{-7}$	0	$1.558 \cdot 10^{-6}$	$1.558 \cdot 10^{-6}$	0
cdGRe	$-6.674 \cdot 10^{-5}$	$-6.674 \cdot 10^{-5}$	0	$1.848 \cdot 10^{-5}$	$1.848 \cdot 10^{-5}$	0
cdHRe	$-1.027 \cdot 10^{-5}$	$-1.027 \cdot 10^{-5}$	0	$4.739 \cdot 10^{-7}$	$4.739 \cdot 10^{-7}$	0
cdWRe	-0.0001835	-0.0001835	0	0.0001534	0.0001534	0
cll1	0.04241	0.04241	0	0.002904	0.002904	0
cqd1	-0.002714	-0.002714	0	0.07727	0.07727	0
cqd8	0.07048	0.07048	0	0.01717	0.01717	0
cqq1	-0.874	-0.874	0	2.085	2.085	0
cqq11	-0.874	-0.874	0	2.085	2.085	0
cqq3	-0.32	-0.32	0	7.646	7.646	0
cqq31	-0.32	-0.32	0	7.646	7.646	0
cqu1	-0.1951	-0.1951	0	0.3054	0.3054	0
cqu8	-0.04244	-0.04244	0	0.06786	0.06786	0
cquqd11Re	$-9.922 \cdot 10^{-5}$	$-9.922 \cdot 10^{-5}$	0	0.0004524	0.0004524	0
cquqd1Re	$-9.922 \cdot 10^{-5}$	$-9.922 \cdot 10^{-5}$	0	0.0004524	0.0004524	0
cquqd81Re	0.0001625	0.0001625	0	$5.374 \cdot 10^{-5}$	$5.374 \cdot 10^{-5}$	0
cquqd8Re	0.0001625	0.0001625	0	$5.374 \cdot 10^{-5}$	$5.374 \cdot 10^{-5}$	0
cuBRe	0.003397	0.003397	0	0.001137	0.001137	0
cuGRe	-0.1017	-0.1017	0	0.04357	0.04357	0
cuHRe	$-1.027 \cdot 10^{-5}$	$-1.027 \cdot 10^{-5}$	0	$4.739 \cdot 10^{-7}$	$4.739 \cdot 10^{-7}$	0
cuWRe	-0.007231	-0.007231	0	0.06801	0.06801	0
cud1	-0.02877	-0.02877	0	0.5214	0.5214	0

cud8	0.3629	0.3629	0	0.1159	0.1159	0
sm	0	0	0	0.5517	0.5517	0

1.56 $b\bar{b} \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-8.208 \cdot 10^{-5}$	$-8.208 \cdot 10^{-5}$	0	$1.129 \cdot 10^{-5}$	$1.129 \cdot 10^{-5}$	0
cHWB	-0.0001337	-0.0001337	0	$3.127 \cdot 10^{-5}$	$3.127 \cdot 10^{-5}$	0
cHbox	$5.518 \cdot 10^{-15}$	$5.518 \cdot 10^{-15}$	0	$3.365 \cdot 10^{-16}$	$3.365 \cdot 10^{-16}$	0
cHd	-0.0001082	-0.0001082	0	$5.363 \cdot 10^{-6}$	$5.363 \cdot 10^{-6}$	0
cHl3	-0.0006111	-0.0006111	0	$3.705 \cdot 10^{-5}$	$3.705 \cdot 10^{-5}$	0
cHq1	-0.0002073	-0.0002073	0	$1.331 \cdot 10^{-6}$	$1.331 \cdot 10^{-6}$	0
cHq3	0.0005908	0.0005908	0	$3.835 \cdot 10^{-5}$	$3.835 \cdot 10^{-5}$	0
cHu	$5.665 \cdot 10^{-5}$	$5.665 \cdot 10^{-5}$	0	$1.791 \cdot 10^{-6}$	$1.791 \cdot 10^{-6}$	0
cHudRe	$-5.515 \cdot 10^{-20}$	0	1	$2.839 \cdot 10^{-27}$	0	1
cdBRe	$5.776 \cdot 10^{-7}$	$5.776 \cdot 10^{-7}$	0	$2.009 \cdot 10^{-6}$	$2.009 \cdot 10^{-6}$	0
cdGRe	-0.000112	-0.000112	0	$2.287 \cdot 10^{-5}$	$2.287 \cdot 10^{-5}$	0
cdHRe	$-2.759 \cdot 10^{-15}$	$-2.759 \cdot 10^{-15}$	0	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	0
cdWRe	$-2.363 \cdot 10^{-6}$	$-2.363 \cdot 10^{-6}$	0	$3.746 \cdot 10^{-6}$	$3.746 \cdot 10^{-6}$	0
cll1	0.0003056	0.0003056	0	$9.262 \cdot 10^{-6}$	$9.262 \cdot 10^{-6}$	0
cqd1	-0.003881	-0.003881	0	0.2905	0.2905	0
cqd8	0.1913	0.1913	0	0.06456	0.06456	0
cqq1	-0.08832	-0.08832	0	0.8502	0.8502	0
cqq3	0.08832	0.08832	0	0.8502	0.8502	0
cqq31	1.061	1.061	0	3.401	3.401	0
cqu1	0.0002946	0.0002946	0	0.01065	0.01065	0
cqu8	0.007025	0.007025	0	0.002367	0.002367	0
cquqd11Re	$4.518 \cdot 10^{-15}$	$4.518 \cdot 10^{-15}$	0	$4.725 \cdot 10^{-16}$	$4.725 \cdot 10^{-16}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cquqd1Re	$-8.916 \cdot 10^{-14}$	$-8.916 \cdot 10^{-14}$	0	$4.436 \cdot 10^{-14}$	$4.436 \cdot 10^{-14}$	0
cquqd81Re	$-2.345 \cdot 10^{-14}$	$-2.345 \cdot 10^{-14}$	0	$2.864 \cdot 10^{-15}$	$2.864 \cdot 10^{-15}$	0
cquqd8Re	$2.761 \cdot 10^{-16}$	$2.761 \cdot 10^{-16}$	0	$9.858 \cdot 10^{-15}$	$9.858 \cdot 10^{-15}$	0
cuBRe	$9.465 \cdot 10^{-14}$	$9.465 \cdot 10^{-14}$	0	$5.934 \cdot 10^{-14}$	$5.934 \cdot 10^{-14}$	0
cuGRe	$-2.992 \cdot 10^{-11}$	$-2.992 \cdot 10^{-11}$	0	$2.275 \cdot 10^{-12}$	$2.275 \cdot 10^{-12}$	0
cuHRe	$-2.759 \cdot 10^{-15}$	$-2.759 \cdot 10^{-15}$	0	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	0
cuWRe	$-1.124 \cdot 10^{-12}$	$-1.124 \cdot 10^{-12}$	0	$3.735 \cdot 10^{-13}$	$3.735 \cdot 10^{-13}$	0
cud1	-0.01157	-0.01157	0	0.2125	0.2125	0
cud8	0.14	0.14	0	0.04723	0.04723	0
sm	0	0	0	0.4933	0.4933	0

1.57 $\quad b\bar{t} \to e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHl3	-0.001584	-0.001584	0	$4.802 \cdot 10^{-5}$	$4.802 \cdot 10^{-5}$	0
cHq3	0.001584	0.001584	0	$4.802 \cdot 10^{-5}$	$4.802 \cdot 10^{-5}$	0
cHudRe	$-1.601 \cdot 10^{-8}$	$-1.601 \cdot 10^{-8}$	0	$6.834 \cdot 10^{-9}$	$6.834 \cdot 10^{-9}$	0
cdWRe	$-3.035 \cdot 10^{-6}$	$-3.035 \cdot 10^{-6}$	0	$7.297 \cdot 10^{-7}$	$7.297 \cdot 10^{-7}$	0
ceWRe	$1.845 \cdot 10^{-15}$	$1.845 \cdot 10^{-15}$	0	$1.167 \cdot 10^{-14}$	$1.167 \cdot 10^{-14}$	0
cledqRe	$-8.567 \cdot 10^{-16}$	$-8.567 \cdot 10^{-16}$	0	$4.138 \cdot 10^{-16}$	$4.138 \cdot 10^{-16}$	0
clequ1Re	$1.421 \cdot 10^{-12}$	$1.421 \cdot 10^{-12}$	0	$7.068 \cdot 10^{-13}$	$7.068 \cdot 10^{-13}$	0
clequ3Re	$4.831 \cdot 10^{-12}$	$4.831 \cdot 10^{-12}$	0	$8.187 \cdot 10^{-12}$	$8.187 \cdot 10^{-12}$	0
cll1	0.001584	0.001584	0	$4.802 \cdot 10^{-5}$	$4.802 \cdot 10^{-5}$	0
clq3	0.2436	0.2436	0	1.135	1.135	0
cuWRe	-0.0004327	-0.0004327	0	0.001226	0.001226	0
sm	0	0	0	0.01307	0.01307	0

1.58 $c\bar{c} \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001756	-0.0001756	0	$1.198 \cdot 10^{-5}$	$1.198 \cdot 10^{-5}$	0
cHWB	-0.0004973	-0.0004973	0	0.0001016	0.0001016	0
cHbox	$4.147 \cdot 10^{-13}$	$4.147 \cdot 10^{-13}$	0	$2.478 \cdot 10^{-14}$	$2.478 \cdot 10^{-14}$	0
cHe	$3.717 \cdot 10^{-5}$	$3.717 \cdot 10^{-5}$	0	$6.766 \cdot 10^{-6}$	$6.766 \cdot 10^{-6}$	0
cHl1	$-6.285 \cdot 10^{-5}$	$-6.285 \cdot 10^{-5}$	0	$1.955 \cdot 10^{-6}$	$1.955 \cdot 10^{-6}$	0
cHl3	-0.0002035	-0.0002035	0	$1.491 \cdot 10^{-5}$	$1.491 \cdot 10^{-5}$	0
cHq1	$4.65 \cdot 10^{-5}$	$4.65 \cdot 10^{-5}$	0	$4.38 \cdot 10^{-6}$	$4.38 \cdot 10^{-6}$	0
cHq3	$-7.277 \cdot 10^{-6}$	$-7.277 \cdot 10^{-6}$	0	$3.095 \cdot 10^{-6}$	$3.095 \cdot 10^{-6}$	0
cHu	-0.0001179	-0.0001179	0	$6.767 \cdot 10^{-6}$	$6.767 \cdot 10^{-6}$	0
ceBRe	$3.302 \cdot 10^{-10}$	$3.302 \cdot 10^{-10}$	0	$5.143 \cdot 10^{-11}$	$5.143 \cdot 10^{-11}$	0
ceHRe	$-2.073 \cdot 10^{-13}$	$-2.073 \cdot 10^{-13}$	0	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	0
ceWRe	$-4.25 \cdot 10^{-10}$	$-4.25 \cdot 10^{-10}$	0	$5.897 \cdot 10^{-10}$	$5.897 \cdot 10^{-10}$	0
ceu	$-5.176 \cdot 10^{-5}$	$-5.176 \cdot 10^{-5}$	0	0.0003168	0.0003168	0
clequ1Re	$6.633 \cdot 10^{-12}$	$6.633 \cdot 10^{-12}$	0	$3.266 \cdot 10^{-12}$	$3.266 \cdot 10^{-12}$	0
clequ3Re	$2.512 \cdot 10^{-11}$	$2.512 \cdot 10^{-11}$	0	$4.601 \cdot 10^{-11}$	$4.601 \cdot 10^{-11}$	0
cll1	$9.595 \cdot 10^{-5}$	$9.595 \cdot 10^{-5}$	0	$2.908 \cdot 10^{-6}$	$2.908 \cdot 10^{-6}$	0
clq1	$-7.431 \cdot 10^{-5}$	$-7.431 \cdot 10^{-5}$	0	0.0003168	0.0003168	0
clq3	0.004593	0.004593	0	0.01959	0.01959	0
clu	-0.0254	-0.0254	0	0.3131	0.3131	0
cqe	-0.01254	-0.01254	0	0.3131	0.3131	0
cuBRe	$-6.516 \cdot 10^{-8}$	$-6.516 \cdot 10^{-8}$	0	$1.966 \cdot 10^{-8}$	$1.966 \cdot 10^{-8}$	0
cuHRe	$-2.073 \cdot 10^{-13}$	$-2.073 \cdot 10^{-13}$	0	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	0
cuWRe	$-6.045 \cdot 10^{-8}$	$-6.045 \cdot 10^{-8}$	0	$1.383 \cdot 10^{-8}$	$1.383 \cdot 10^{-8}$	0
sm	0	0	0	0.0007914	0.0007914	0

1.59 $c\bar{s} \to \tau^+ \nu_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHl3	$-4.077 \cdot 10^{-5}$	$-4.077 \cdot 10^{-5}$	0	$1.236 \cdot 10^{-6}$	$1.236 \cdot 10^{-6}$	0
cHq3	$4.077 \cdot 10^{-5}$	$4.077 \cdot 10^{-5}$	0	$1.236 \cdot 10^{-6}$	$1.236 \cdot 10^{-6}$	0
cHudRe	$-4.122 \cdot 10^{-16}$	$-4.122 \cdot 10^{-16}$	0	$6.846 \cdot 10^{-17}$	$6.846 \cdot 10^{-17}$	0
cdWRe	$-2.406 \cdot 10^{-10}$	$-2.406 \cdot 10^{-10}$	0	$6.282 \cdot 10^{-10}$	$6.282 \cdot 10^{-10}$	0
ceWRe	$-8.791 \cdot 10^{-8}$	$-8.791 \cdot 10^{-8}$	0	$2.293 \cdot 10^{-7}$	$2.293 \cdot 10^{-7}$	0
cledqRe	$-4.931 \cdot 10^{-12}$	$-4.931 \cdot 10^{-12}$	0	$2.477 \cdot 10^{-12}$	$2.477 \cdot 10^{-12}$	0
clequ1Re	$9.246 \cdot 10^{-10}$	$9.246 \cdot 10^{-10}$	0	$4.619 \cdot 10^{-10}$	$4.619 \cdot 10^{-10}$	0
clequ3Re	$5.498 \cdot 10^{-10}$	$5.498 \cdot 10^{-10}$	0	$1.268 \cdot 10^{-10}$	$1.268 \cdot 10^{-10}$	0
cll1	$4.077 \cdot 10^{-5}$	$4.077 \cdot 10^{-5}$	0	$1.236 \cdot 10^{-6}$	$1.236 \cdot 10^{-6}$	0
clq3	0.006268	0.006268	0	0.02921	0.02921	0
cuWRe	$-1.318 \cdot 10^{-7}$	$-1.318 \cdot 10^{-7}$	0	$2.282 \cdot 10^{-7}$	$2.282 \cdot 10^{-7}$	0
sm	0	0	0	0.0003362	0.0003362	0

1.60 $d\bar{d} \to c\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-4.21 \cdot 10^{-5}$	$-4.21 \cdot 10^{-5}$	0	$4.765 \cdot 10^{-6}$	$4.765 \cdot 10^{-6}$	0
cHWB	$-4.667 \cdot 10^{-5}$	$-4.667 \cdot 10^{-5}$	0	$1.431 \cdot 10^{-5}$	$1.431 \cdot 10^{-5}$	0
cHbox	$2.395 \cdot 10^{-15}$	$2.395 \cdot 10^{-15}$	0	$1.452 \cdot 10^{-16}$	$1.452 \cdot 10^{-16}$	0
cHd	$-1.805 \cdot 10^{-5}$	$-1.805 \cdot 10^{-5}$	0	$9.744 \cdot 10^{-6}$	$9.744 \cdot 10^{-6}$	0
cHl3	-0.0009112	-0.0009112	0	$5.524 \cdot 10^{-5}$	$5.524 \cdot 10^{-5}$	0
cHq1	$-4.94 \cdot 10^{-5}$	$-4.94 \cdot 10^{-5}$	0	$2.221 \cdot 10^{-6}$	$2.221 \cdot 10^{-6}$	0
cHq3	0.0008816	0.0008816	0	$5.614 \cdot 10^{-5}$	$5.614 \cdot 10^{-5}$	0
cHu	$6.427 \cdot 10^{-5}$	$6.427 \cdot 10^{-5}$	0	$1.227 \cdot 10^{-5}$	$1.227 \cdot 10^{-5}$	0

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cHudRe	$-2.407 \cdot 10^{-17}$	0	1	$1.99 \cdot 10^{-19}$	0	1
cdBRe	$1.002 \cdot 10^{-12}$	$1.002 \cdot 10^{-12}$	0	$2.476 \cdot 10^{-12}$	$2.476 \cdot 10^{-12}$	0
cdGRe	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	0	$2.82 \cdot 10^{-11}$	$2.82 \cdot 10^{-11}$	0
cdHRe	$-1.197 \cdot 10^{-15}$	$-1.197 \cdot 10^{-15}$	0	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	0
cdWRe	$-3.541 \cdot 10^{-12}$	$-3.541 \cdot 10^{-12}$	0	$4.619 \cdot 10^{-12}$	$4.619 \cdot 10^{-12}$	0
cll1	0.0004556	0.0004556	0	$1.381 \cdot 10^{-5}$	$1.381 \cdot 10^{-5}$	0
cqd1	-0.002497	-0.002497	0	0.1871	0.1871	0
cqd8	0.1232	0.1232	0	0.04158	0.04158	0
cqq1	-0.1338	-0.1338	0	1.288	1.288	0
cqq3	0.1338	0.1338	0	1.288	1.288	0
cqq31	1.607	1.607	0	5.152	5.152	0
cqu1	0.006457	0.006457	0	0.2327	0.2327	0
cqu8	0.1532	0.1532	0	0.05171	0.05171	0
cquqd11Re	$-1.746 \cdot 10^{-15}$	$-1.746 \cdot 10^{-15}$	0	$4.454 \cdot 10^{-15}$	$4.454 \cdot 10^{-15}$	0
cquqd1Re	$-3.858 \cdot 10^{-14}$	$-3.858 \cdot 10^{-14}$	0	$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	0
cquqd81Re	$-8.25 \cdot 10^{-15}$	$-8.25 \cdot 10^{-15}$	0	$7.96 \cdot 10^{-16}$	$7.96 \cdot 10^{-16}$	0
cquqd8Re	$-2.061 \cdot 10^{-16}$	$-2.061 \cdot 10^{-16}$	0	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	0
cuBRe	$1.008 \cdot 10^{-8}$	$1.008 \cdot 10^{-8}$	0	$5.535 \cdot 10^{-8}$	$5.535 \cdot 10^{-8}$	0
cuGRe	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	0	$2.121 \cdot 10^{-6}$	$2.121 \cdot 10^{-6}$	0
cuHRe	$-1.197 \cdot 10^{-15}$	$-1.197 \cdot 10^{-15}$	0	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	0
cuWRe	$-1.997 \cdot 10^{-7}$	$-1.997 \cdot 10^{-7}$	0	$3.483 \cdot 10^{-7}$	$3.483 \cdot 10^{-7}$	0
cud1	-0.01753	-0.01753	0	0.322	0.322	0
cud8	0.212	0.212	0	0.07155	0.07155	0
sm	0	0	0	0.5004	0.5004	0

1.61 $d\bar{d} \to e^+ e^-$

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	$-4.731 \cdot 10^{-5}$	$-4.731 \cdot 10^{-5}$	0	$3.631 \cdot 10^{-6}$	$3.631 \cdot 10^{-6}$	0
cHWB	$-5.025 \cdot 10^{-5}$	$-5.025 \cdot 10^{-5}$	0	$1.18 \cdot 10^{-5}$	$1.18 \cdot 10^{-5}$	0
cHbox	$1.287 \cdot 10^{-22}$	$1.287 \cdot 10^{-22}$	0	$7.836 \cdot 10^{-24}$	$7.836 \cdot 10^{-24}$	0
cHd	$2.988 \cdot 10^{-5}$	$2.988 \cdot 10^{-5}$	0	$4.393 \cdot 10^{-6}$	$4.393 \cdot 10^{-6}$	0
cHe	$-2.754 \cdot 10^{-5}$	$-2.754 \cdot 10^{-5}$	0	$6.59 \cdot 10^{-7}$	$6.59 \cdot 10^{-7}$	0
cHl1	$1.782 \cdot 10^{-5}$	$1.782 \cdot 10^{-5}$	0	$1.306 \cdot 10^{-6}$	$1.306 \cdot 10^{-6}$	0
cHl3	-0.0003335	-0.0003335	0	$1.182 \cdot 10^{-5}$	$1.182 \cdot 10^{-5}$	0
cHq1	$4.752 \cdot 10^{-5}$	$4.752 \cdot 10^{-5}$	0	$3.09 \cdot 10^{-6}$	$3.09 \cdot 10^{-6}$	0
cHq3	0.0002312	0.0002312	0	$5.594 \cdot 10^{-6}$	$5.594 \cdot 10^{-6}$	0
cdBRe	$1.561 \cdot 10^{-12}$	$1.561 \cdot 10^{-12}$	0	$9.683 \cdot 10^{-13}$	$9.683 \cdot 10^{-13}$	0
cdHRe	$-6.436 \cdot 10^{-23}$	$-6.436 \cdot 10^{-23}$	0	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	0
cdWRe	$-1.665 \cdot 10^{-12}$	$-1.665 \cdot 10^{-12}$	0	$6.808 \cdot 10^{-13}$	$6.808 \cdot 10^{-13}$	0
ceBRe	$1.729 \cdot 10^{-15}$	$1.729 \cdot 10^{-15}$	0	$2.206 \cdot 10^{-15}$	$2.206 \cdot 10^{-15}$	0
ceHRe	$-6.436 \cdot 10^{-23}$	$-6.436 \cdot 10^{-23}$	0	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	0
ceWRe	$-1.884 \cdot 10^{-14}$	$-1.884 \cdot 10^{-14}$	0	$8.192 \cdot 10^{-15}$	$8.192 \cdot 10^{-15}$	0
ced	0.02088	0.02088	0	0.2556	0.2556	0
cld	0.0002088	0.0002088	0	0.005146	0.005146	0
cledqRe	$-2.089 \cdot 10^{-21}$	$-2.089 \cdot 10^{-21}$	0	$1.033 \cdot 10^{-21}$	$1.033 \cdot 10^{-21}$	0
cll1	0.0003435	0.0003435	0	$1.041 \cdot 10^{-5}$	$1.041 \cdot 10^{-5}$	0
clq1	0.003844	0.003844	0	0.01983	0.01983	0
clq3	0.04957	0.04957	0	0.2556	0.2556	0
cqe	-0.007933	-0.007933	0	0.1906	0.1906	0
sm	0	0	0	0.002833	0.002833	0

1.62 $e^+\nu_\mu \to e^+\nu_\mu$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	-0.006616	-0.006616	0	0.0007012	0.0007012	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHWB	-0.003314	-0.003314	0	0.0006355	0.0006355	0
cHe	-0.001236	-0.001236	0	$8.404 \cdot 10^{-5}$	$8.404 \cdot 10^{-5}$	0
cHl1	-0.001775	-0.001775	0	0.0001822	0.0001822	0
cHl3	-0.0005438	-0.0005438	0	$1.687 \cdot 10^{-5}$	$1.687 \cdot 10^{-5}$	0
ceBRe	$1.209 \cdot 10^{-13}$	$1.209 \cdot 10^{-13}$	0	$1.271 \cdot 10^{-13}$	$1.271 \cdot 10^{-13}$	0
ceWRe	$5.128 \cdot 10^{-14}$	$5.128 \cdot 10^{-14}$	0	$2.463 \cdot 10^{-14}$	$2.463 \cdot 10^{-14}$	0
cle	-0.1348	-0.1348	0	1	1	0
cll	0.4202	0.4202	0	1.832	1.832	0
cll1	0.0005595	0.0005595	0	$1.696 \cdot 10^{-5}$	$1.696 \cdot 10^{-5}$	0
sm	0	0	0	0.004615	0.004615	0

1.63 $\quad e^+ \nu_e \to \mu^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHl3	$5.054 \cdot 10^{-22}$	$5.054 \cdot 10^{-22}$	0	$2.939 \cdot 10^{-39}$	$2.939 \cdot 10^{-39}$	0
ceWRe	$-3.067 \cdot 10^{-9}$	$-3.067 \cdot 10^{-9}$	0	$4.819 \cdot 10^{-9}$	$4.819 \cdot 10^{-9}$	0
cll1	0.2049	0.2049	0	0.9613	0.9613	0
sm	0	0	0	0.01092	0.01092	0

1.64 $\quad e^+ \nu_e \to e^+ \nu_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.01583	-0.01583	0	0.003665	0.003665	0
cHWB	0.01152	0.01152	0	0.003725	0.003725	0
cHe	-0.001705	-0.001705	0	0.0001159	0.0001159	0
cHl1	0.006171	0.006171	0	0.001068	0.001068	0
cHl3	-0.0005924	-0.0005924	0	$2.431 \cdot 10^{-5}$	$2.431 \cdot 10^{-5}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ceBRe	$3.553 \cdot 10^{-13}$	$3.553 \cdot 10^{-13}$	0	$3.465 \cdot 10^{-13}$	$3.465 \cdot 10^{-13}$	0
ceWRe	$-2.686 \cdot 10^{-14}$	$-2.686 \cdot 10^{-14}$	0	$2.071 \cdot 10^{-14}$	$2.071 \cdot 10^{-14}$	0
cle	-0.1583	-0.1583	0	1	1	0
cll	2.134	2.134	0	2.95	2.95	0
cll1	0.07116	0.07116	0	0.2271	0.2271	0
sm	0	0	0	0.01172	0.01172	0

1.65 $e^+ \tau^- \to e^+ \tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-3.801	-3.801	0	0.2176	0.2176	0
cHWB	-8.258	-8.258	0	0.9584	0.9584	0
cHbox	$1.024 \cdot 10^{-15}$	$1.024 \cdot 10^{-15}$	0	$1.763 \cdot 10^{-18}$	$1.763 \cdot 10^{-18}$	0
cHe	0.0007989	0.0007989	0	0.001559	0.001559	0
cHl1	0.561	0.561	0	0.04076	0.04076	0
cHl3	-0.1377	-0.1377	0	0.00918	0.00918	0
ceBRe	$-1.581 \cdot 10^{-5}$	$-1.581 \cdot 10^{-5}$	0	$8.524 \cdot 10^{-5}$	$8.524 \cdot 10^{-5}$	0
ceHRe	$-1.024 \cdot 10^{-15}$	$-1.024 \cdot 10^{-15}$	0	$1.763 \cdot 10^{-18}$	$1.763 \cdot 10^{-18}$	0
ceWRe	$1.698 \cdot 10^{-6}$	$1.698 \cdot 10^{-6}$	0	$9.532 \cdot 10^{-6}$	$9.532 \cdot 10^{-6}$	0
cee	-1.408	-1.408	0	2.476	2.476	0
cle	-1.171	-1.171	0	2	2	0
cll	-11.23	-11.23	0	3.667	3.667	0
cll1	-1.5	-1.5	0	2.383	2.383	0
sm	0	0	0	0.6221	0.6221	0

1.66 $e^+ e^- \to \mu^+ \mu^-$

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.003653	-0.003653	0	0.0002074	0.0002074	0
cHWB	-0.007437	-0.007437	0	0.0006856	0.0006856	0
cHbox	$2.015 \cdot 10^{-19}$	$2.015 \cdot 10^{-19}$	0	$1.203 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0
cHe	-0.0003631	-0.0003631	0	$2.595 \cdot 10^{-5}$	$2.595 \cdot 10^{-5}$	0
cHl1	0.001735	0.001735	0	$6.033 \cdot 10^{-5}$	$6.033 \cdot 10^{-5}$	0
cHl3	-0.002311	-0.002311	0	0.0001343	0.0001343	0
ceBRe	$5.44 \cdot 10^{-9}$	$5.44 \cdot 10^{-9}$	0	$1.928 \cdot 10^{-9}$	$1.928 \cdot 10^{-9}$	0
ceHRe	$-2.015 \cdot 10^{-19}$	$-2.015 \cdot 10^{-19}$	0	$1.203 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0
ceWRe	$-3.036 \cdot 10^{-9}$	$-3.036 \cdot 10^{-9}$	0	$2.365 \cdot 10^{-9}$	$2.365 \cdot 10^{-9}$	0
cee	0.1551	0.1551	0	1.266	1.266	0
cle	0.04657	0.04657	0	0.3827	0.3827	0
cll	0.3789	0.3789	0	2.756	2.756	0
cll1	0.1756	0.1756	0	1.277	1.277	0
sm	0	0	0	0.01215	0.01215	0

1.67 $e^+ e^- \rightarrow e^+ e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.02916	-0.02916	0	0.001852	0.001852	0
cHWB	-0.0681	-0.0681	0	0.009901	0.009901	0
cHbox	$-2.202 \cdot 10^{-13}$	$-2.202 \cdot 10^{-13}$	0	$7.944 \cdot 10^{-25}$	$7.944 \cdot 10^{-25}$	0
cHe	0.01049	0.01049	0	0.001775	0.001775	0
cHl1	-0.003889	-0.003889	0	0.0003928	0.0003928	0
cHl3	-0.154	-0.154	0	0.01079	0.01079	0
ceBRe	$-2.601 \cdot 10^{-13}$	$-2.601 \cdot 10^{-13}$	0	$2.299 \cdot 10^{-12}$	$2.299 \cdot 10^{-12}$	0
ceHRe	$2.202 \cdot 10^{-13}$	$2.202 \cdot 10^{-13}$	0	$7.944 \cdot 10^{-25}$	$7.944 \cdot 10^{-25}$	0
ceWRe	$9.146 \cdot 10^{-13}$	$9.146 \cdot 10^{-13}$	0	$2.652 \cdot 10^{-12}$	$2.652 \cdot 10^{-12}$	0
cee	-2.832	-2.832	0	10.63	10.63	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cle	−1.346	−1.346	0	2.068	2.068	0
cll	−0.9996	−0.9996	0	7.217	7.217	0
cll1	−3.082	−3.082	0	10.44	10.44	0
sm	0	0	0	0.6532	0.6532	0

1.68 $gg \to gg$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$-3.918 \cdot 10^{-10}$	$-3.918 \cdot 10^{-10}$	$-8.754 \cdot 10^{-6}$	94.75	94.75	0
sm	0	0	0	54.9	54.9	0

1.69 $gg \to ggg$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	0.01097	0.01097	0	0.2254	0.2254	0
sm	0	0	0	0.1352	0.1352	0

1.70 $gg \to t\bar{t}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	−0.002394	−0.002394	0	2.476	2.476	0
cHG	−0.03995	−0.03995	0	0.04069	0.04069	0
cuGRe	−0.1385	−0.1385	0	0.08617	0.08617	0
sm	0	0	0	0.3993	0.3993	0

1.71 $gg \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
cG	$-2.818 \cdot 10^{-11}$	$-2.818 \cdot 10^{-11}$	0	1.329	1.329	0
cHG	$-1.321 \cdot 10^{-11}$	$-1.321 \cdot 10^{-11}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0
cuGRe	$-2.046 \cdot 10^{-11}$	$-2.046 \cdot 10^{-11}$	0	$1.219 \cdot 10^{-11}$	$1.219 \cdot 10^{-11}$	0
sm	0	0	0	1.417	1.417	0

1.72 $s\bar{s} \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
cHDD	$-3.517 \cdot 10^{-5}$	$-3.517 \cdot 10^{-5}$	0	$8.693 \cdot 10^{-7}$	$8.693 \cdot 10^{-7}$	0
cHWB	$3.197 \cdot 10^{-5}$	$3.197 \cdot 10^{-5}$	0	$9.046 \cdot 10^{-7}$	$9.046 \cdot 10^{-7}$	0
cHd	$-3.193 \cdot 10^{-5}$	$-3.193 \cdot 10^{-5}$	0	$6.514 \cdot 10^{-6}$	$6.514 \cdot 10^{-6}$	0
cHl1	-0.00013	-0.00013	0	$3.942 \cdot 10^{-6}$	$3.942 \cdot 10^{-6}$	0
cHl3	-0.0003238	-0.0003238	0	$9.816 \cdot 10^{-6}$	$9.816 \cdot 10^{-6}$	0
cHq1	0.0001472	0.0001472	0	$5.239 \cdot 10^{-6}$	$5.239 \cdot 10^{-6}$	0
cHq3	0.0003792	0.0003792	0	$1.35 \cdot 10^{-5}$	$1.35 \cdot 10^{-5}$	0
cdBRe	$-3.433 \cdot 10^{-10}$	$-3.433 \cdot 10^{-10}$	0	$1.311 \cdot 10^{-10}$	$1.311 \cdot 10^{-10}$	0
cdWRe	$-6.41 \cdot 10^{-10}$	$-6.41 \cdot 10^{-10}$	0	$4.573 \cdot 10^{-10}$	$4.573 \cdot 10^{-10}$	0
cld	0.000796	0.000796	0	0.01937	0.01937	0
cll1	0.0003238	0.0003238	0	$9.816 \cdot 10^{-6}$	$9.816 \cdot 10^{-6}$	0
clq1	-0.01755	-0.01755	0	0.07451	0.07451	0
clq3	0.04522	0.04522	0	0.192	0.192	0
sm	0	0	0	0.002671	0.002671	0

1.73 $s\bar{s} \to s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.00138	0.00138	0	$6.394 \cdot 10^{-6}$	$6.394 \cdot 10^{-6}$	0
cHWB	0.001172	0.001172	0	$8.376 \cdot 10^{-6}$	$8.376 \cdot 10^{-6}$	0
cHbox	$-5.13 \cdot 10^{-8}$	$-5.13 \cdot 10^{-8}$	0	$6.921 \cdot 10^{-16}$	$6.921 \cdot 10^{-16}$	0
cHd	0.001023	0.001023	0	0.0003022	0.0003022	0
cHl3	0.001003	0.001003	0	$1.008 \cdot 10^{-5}$	$1.008 \cdot 10^{-5}$	0
cHq1	-0.00795	-0.00795	0	$8.652 \cdot 10^{-5}$	$8.652 \cdot 10^{-5}$	0
cHq3	-0.0009091	-0.0009091	0	$1.447 \cdot 10^{-5}$	$1.447 \cdot 10^{-5}$	0
cdBRe	$5.024 \cdot 10^{-9}$	$5.024 \cdot 10^{-9}$	0	$9.984 \cdot 10^{-10}$	$9.984 \cdot 10^{-10}$	0
cdGRe	$-1.852 \cdot 10^{-7}$	$-1.852 \cdot 10^{-7}$	0	$1.962 \cdot 10^{-8}$	$1.962 \cdot 10^{-8}$	0
cdHRe	$5.13 \cdot 10^{-8}$	$5.13 \cdot 10^{-8}$	0	$6.921 \cdot 10^{-16}$	$6.921 \cdot 10^{-16}$	0
cdWRe	$-2.743 \cdot 10^{-8}$	$-2.743 \cdot 10^{-8}$	0	$6.263 \cdot 10^{-9}$	$6.263 \cdot 10^{-9}$	0
cdd	-0.2622	-0.2622	0	1.619	1.619	0
cdd1	-0.2622	-0.2622	0	1.619	1.619	0
cll1	-0.0005013	-0.0005013	0	$2.519 \cdot 10^{-6}$	$2.519 \cdot 10^{-6}$	0
cqd1	0.01178	0.01178	0	3.418	3.418	0
cqd8	-0.6302	-0.6302	0	0.7596	0.7596	0
cqq1	-0.01481	-0.01481	0	0.2661	0.2661	0
cqq11	-0.01481	-0.01481	0	0.2661	0.2661	0
cqq3	-0.01481	-0.01481	0	0.2661	0.2661	0
cqq31	-0.01481	-0.01481	0	0.2661	0.2661	0
sm	0	0	0	2.137	2.137	0

1.74 $t\bar{t} \to \nu_\mu \bar{\nu}_\mu$

	interference			square		

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001011	-0.0001011	0	$7.885 \cdot 10^{-6}$	$7.885 \cdot 10^{-6}$	0
cHWB	$-8.053 \cdot 10^{-5}$	$-8.053 \cdot 10^{-5}$	0	$5.98 \cdot 10^{-6}$	$5.98 \cdot 10^{-6}$	0
cHl1	$-5.186 \cdot 10^{-5}$	$-5.186 \cdot 10^{-5}$	0	$1.572 \cdot 10^{-6}$	$1.572 \cdot 10^{-6}$	0
cHl3	-0.0002919	-0.0002919	0	$8.849 \cdot 10^{-6}$	$8.849 \cdot 10^{-6}$	0
cHq1	$-8.74 \cdot 10^{-6}$	$-8.74 \cdot 10^{-6}$	0	$6.727 \cdot 10^{-7}$	$6.727 \cdot 10^{-7}$	0
cHq3	0.0004202	0.0004202	0	$1.842 \cdot 10^{-5}$	$1.842 \cdot 10^{-5}$	0
cHu	0.0001539	0.0001539	0	$1.735 \cdot 10^{-5}$	$1.735 \cdot 10^{-5}$	0
cll1	0.0002919	0.0002919	0	$8.849 \cdot 10^{-6}$	$8.849 \cdot 10^{-6}$	0
clq1	0.001042	0.001042	0	0.009567	0.009567	0
clq3	0.05011	0.05011	0	0.262	0.262	0
clu	-0.01835	-0.01835	0	0.2468	0.2468	0
cuBRe	-0.0002651	-0.0002651	0	0.0004344	0.0004344	0
cuWRe	0.000495	0.000495	0	0.001515	0.001515	0
sm	0	0	0	0.002408	0.002408	0

1.75 $\quad t\bar{t} \to \tau^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0005309	-0.0005309	0	$3.07 \cdot 10^{-5}$	$3.07 \cdot 10^{-5}$	0
cHWB	-0.001169	-0.001169	0	0.0001013	0.0001013	0
cHbox	$1.992 \cdot 10^{-6}$	$1.992 \cdot 10^{-6}$	0	$1.221 \cdot 10^{-7}$	$1.221 \cdot 10^{-7}$	0
cHe	$-5.466 \cdot 10^{-5}$	$-5.466 \cdot 10^{-5}$	0	$1.933 \cdot 10^{-6}$	$1.933 \cdot 10^{-6}$	0
cHl1	0.0003218	0.0003218	0	$7.967 \cdot 10^{-6}$	$7.967 \cdot 10^{-6}$	0
cHl3	-0.0006703	-0.0006703	0	$3.255 \cdot 10^{-5}$	$3.255 \cdot 10^{-5}$	0
cHq1	-0.0002527	-0.0002527	0	$5.271 \cdot 10^{-6}$	$5.271 \cdot 10^{-6}$	0
cHq3	0.000181	0.000181	0	$4.194 \cdot 10^{-6}$	$4.194 \cdot 10^{-6}$	0
cHu	0.0001304	0.0001304	0	$3.572 \cdot 10^{-6}$	$3.572 \cdot 10^{-6}$	0
ceBRe	$-1.817 \cdot 10^{-7}$	$-1.817 \cdot 10^{-7}$	0	$7.402 \cdot 10^{-8}$	$7.402 \cdot 10^{-8}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ceHRe	$-9.96 \cdot 10^{-7}$	$-9.96 \cdot 10^{-7}$	0	$3.052 \cdot 10^{-8}$	$3.052 \cdot 10^{-8}$	0
ceWRe	$1.344 \cdot 10^{-8}$	$1.344 \cdot 10^{-8}$	0	$1.898 \cdot 10^{-7}$	$1.898 \cdot 10^{-7}$	0
ceu	-0.03873	-0.03873	0	0.2347	0.2347	0
clequ1Re	$3.378 \cdot 10^{-5}$	$3.378 \cdot 10^{-5}$	0	$1.711 \cdot 10^{-5}$	$1.711 \cdot 10^{-5}$	0
clequ3Re	$-8.666 \cdot 10^{-5}$	$-8.666 \cdot 10^{-5}$	0	0.0001313	0.0001313	0
cll1	0.0004505	0.0004505	0	$1.365 \cdot 10^{-5}$	$1.365 \cdot 10^{-5}$	0
clq1	-0.05584	-0.05584	0	0.2347	0.2347	0
clq3	0.04106	0.04106	0	0.1717	0.1717	0
clu	-0.003317	-0.003317	0	0.01212	0.01212	0
cqe	-0.002111	-0.002111	0	0.01212	0.01212	0
cuBRe	-0.003486	-0.003486	0	0.002312	0.002312	0
cuHRe	$-9.96 \cdot 10^{-7}$	$-9.96 \cdot 10^{-7}$	0	$3.052 \cdot 10^{-8}$	$3.052 \cdot 10^{-8}$	0
cuWRe	-0.002763	-0.002763	0	0.001626	0.001626	0
sm	0	0	0	0.003715	0.003715	0

1.76 $\quad t\bar{t} \to c\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001218	-0.0001218	0	$7.295 \cdot 10^{-6}$	$7.295 \cdot 10^{-6}$	0
cHWB	-0.0004498	-0.0004498	0	0.0001014	0.0001014	0
cHbox	$3.058 \cdot 10^{-6}$	$3.058 \cdot 10^{-6}$	0	$1.87 \cdot 10^{-7}$	$1.87 \cdot 10^{-7}$	0
cHl3	-0.0001311	-0.0001311	0	$7.949 \cdot 10^{-6}$	$7.949 \cdot 10^{-6}$	0
cHq1	$5.359 \cdot 10^{-5}$	$5.359 \cdot 10^{-5}$	0	$1.123 \cdot 10^{-5}$	$1.123 \cdot 10^{-5}$	0
cHq3	-0.0001309	-0.0001309	0	$1.067 \cdot 10^{-5}$	$1.067 \cdot 10^{-5}$	0
cHu	-0.0002803	-0.0002803	0	$5.247 \cdot 10^{-5}$	$5.247 \cdot 10^{-5}$	0
cll1	$6.556 \cdot 10^{-5}$	$6.556 \cdot 10^{-5}$	0	$1.987 \cdot 10^{-6}$	$1.987 \cdot 10^{-6}$	0
cqq1	0.00289	0.00289	0	0.01178	0.01178	0
cqq11	0.08734	0.08734	0	0.01178	0.01178	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cqq3	0.00289	0.00289	0	0.01178	0.01178	0
cqq31	0.08734	0.08734	0	0.01178	0.01178	0
cqu1	0.05093	0.05093	0	1.539	1.539	0
cqu8	1.053	1.053	0	0.342	0.342	0
cuBRe	−0.001506	−0.001506	0	0.002261	0.002261	0
cuGRe	−0.1971	−0.1971	0	0.02575	0.02575	0
cuHRe	$-3.058 \cdot 10^{-6}$	$-3.058 \cdot 10^{-6}$	0	$1.87 \cdot 10^{-7}$	$1.87 \cdot 10^{-7}$	0
cuWRe	−0.002236	−0.002236	0	0.004217	0.004217	0
cuu	0.006663	0.006663	0	0.09321	0.09321	0
cuu1	0.1422	0.1422	0	0.09321	0.09321	0
sm	0	0	0	0.9902	0.9902	0

1.77 $t\bar{t} \to d\bar{d}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHDD	$-3.359 \cdot 10^{-5}$	$-3.359 \cdot 10^{-5}$	0	$4.076 \cdot 10^{-6}$	$4.076 \cdot 10^{-6}$	0
cHWB	$-4.551 \cdot 10^{-5}$	$-4.551 \cdot 10^{-5}$	0	$1.403 \cdot 10^{-5}$	$1.403 \cdot 10^{-5}$	0
cHbox	$4.181 \cdot 10^{-11}$	$4.181 \cdot 10^{-11}$	0	$2.529 \cdot 10^{-12}$	$2.529 \cdot 10^{-12}$	0
cHd	$2.427 \cdot 10^{-5}$	$2.427 \cdot 10^{-5}$	0	$1.51 \cdot 10^{-5}$	$1.51 \cdot 10^{-5}$	0
cHl3	$-5.209 \cdot 10^{-5}$	$-5.209 \cdot 10^{-5}$	0	$3.158 \cdot 10^{-6}$	$3.158 \cdot 10^{-6}$	0
cHq1	$-1.046 \cdot 10^{-5}$	$-1.046 \cdot 10^{-5}$	0	$3.777 \cdot 10^{-6}$	$3.777 \cdot 10^{-6}$	0
cHq3	$3.7 \cdot 10^{-5}$	$3.7 \cdot 10^{-5}$	0	$6.17 \cdot 10^{-6}$	$6.17 \cdot 10^{-6}$	0
cHu	$5.179 \cdot 10^{-5}$	$5.179 \cdot 10^{-5}$	0	$2.241 \cdot 10^{-5}$	$2.241 \cdot 10^{-5}$	0
cHudRe	$\color{red}{-1.847 \cdot 10^{-15}}$	$\color{red}{0}$	$\color{red}{1}$	$\color{blue}{4.688 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$
cdBRe	$1.087 \cdot 10^{-11}$	$1.087 \cdot 10^{-11}$	0	$7 \cdot 10^{-13}$	$7 \cdot 10^{-13}$	0
cdGRe	$-1.567 \cdot 10^{-10}$	$-1.567 \cdot 10^{-10}$	0	$8.893 \cdot 10^{-12}$	$8.893 \cdot 10^{-12}$	0
cdHRe	$-2.091 \cdot 10^{-11}$	$-2.091 \cdot 10^{-11}$	0	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	0
cdWRe	$-1.32 \cdot 10^{-11}$	$-1.32 \cdot 10^{-11}$	0	$1.174 \cdot 10^{-12}$	$1.174 \cdot 10^{-12}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cll1	$2.605 \cdot 10^{-5}$	$2.605 \cdot 10^{-5}$	0	$7.895 \cdot 10^{-7}$	$7.895 \cdot 10^{-7}$	0
cqd1	-0.01362	-0.01362	0	0.8991	0.8991	0
cqd8	0.6117	0.6117	0	0.1998	0.1998	0
cqq1	-0.001113	-0.001113	0	0.02666	0.02666	0
cqq3	0.001113	0.001113	0	0.02666	0.02666	0
cqq31	0.1916	0.1916	0	0.1066	0.1066	0
cqu1	0.005885	0.005885	0	0.4355	0.4355	0
cqu8	0.3064	0.3064	0	0.09678	0.09678	0
cquqd11Re	$-5.791 \cdot 10^{-11}$	$-5.791 \cdot 10^{-11}$	0	$1.543 \cdot 10^{-10}$	$1.543 \cdot 10^{-10}$	0
cquqd1Re	$-7.042 \cdot 10^{-10}$	$-7.042 \cdot 10^{-10}$	0	$3.545 \cdot 10^{-10}$	$3.545 \cdot 10^{-10}$	0
cquqd81Re	$-3.157 \cdot 10^{-10}$	$-3.157 \cdot 10^{-10}$	0	$7.077 \cdot 10^{-11}$	$7.077 \cdot 10^{-11}$	0
cquqd8Re	$2.451 \cdot 10^{-11}$	$2.451 \cdot 10^{-11}$	0	$7.878 \cdot 10^{-11}$	$7.878 \cdot 10^{-11}$	0
cuBRe	$1.25 \cdot 10^{-5}$	$1.25 \cdot 10^{-5}$	0	0.001124	0.001124	0
cuGRe	-0.1971	-0.1971	0	0.04307	0.04307	0
cuHRe	$-2.091 \cdot 10^{-11}$	$-2.091 \cdot 10^{-11}$	0	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	0
cuWRe	-0.002297	-0.002297	0	0.007073	0.007073	0
cud1	-0.0007612	-0.0007612	0	0.006665	0.006665	0
cud8	0.02404	0.02404	0	0.001481	0.001481	0
sm	0	0	0	0.9421	0.9421	0

1.78 $t\bar{t} \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-5.674 \cdot 10^{-5}$	$-5.674 \cdot 10^{-5}$	0	$8.952 \cdot 10^{-6}$	$8.952 \cdot 10^{-6}$	0
cHWB	-0.0001193	-0.0001193	0	$2.569 \cdot 10^{-5}$	$2.569 \cdot 10^{-5}$	0
cHbox	$1.648 \cdot 10^{-8}$	$1.648 \cdot 10^{-8}$	0	$1.003 \cdot 10^{-9}$	$1.003 \cdot 10^{-9}$	0
cHd	$-6.795 \cdot 10^{-5}$	$-6.795 \cdot 10^{-5}$	0	$5.103 \cdot 10^{-6}$	$5.103 \cdot 10^{-6}$	0
cHl3	$-6.528 \cdot 10^{-5}$	$-6.528 \cdot 10^{-5}$	0	$3.957 \cdot 10^{-6}$	$3.957 \cdot 10^{-6}$	0

cHq1	-0.0001626	-0.0001626	0	$1.62 \cdot 10^{-6}$	$1.62 \cdot 10^{-6}$	0
cHq3	$4.993 \cdot 10^{-5}$	$4.993 \cdot 10^{-5}$	0	$6.729 \cdot 10^{-6}$	$6.729 \cdot 10^{-6}$	0
cHu	$9.842 \cdot 10^{-6}$	$9.842 \cdot 10^{-6}$	0	$4.228 \cdot 10^{-6}$	$4.228 \cdot 10^{-6}$	0
cHudRe	$6.571 \cdot 10^{-12}$	0	1	$6.722 \cdot 10^{-14}$	0	1
cdBRe	$4.039 \cdot 10^{-9}$	$4.039 \cdot 10^{-9}$	0	$3.79 \cdot 10^{-10}$	$3.79 \cdot 10^{-10}$	0
cdGRe	$-6.213 \cdot 10^{-8}$	$-6.213 \cdot 10^{-8}$	0	$4.681 \cdot 10^{-9}$	$4.681 \cdot 10^{-9}$	0
cdHRe	$-8.238 \cdot 10^{-9}$	$-8.238 \cdot 10^{-9}$	0	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	0
cdWRe	$-4.96 \cdot 10^{-9}$	$-4.96 \cdot 10^{-9}$	0	$6.548 \cdot 10^{-10}$	$6.548 \cdot 10^{-10}$	0
cll1	$3.264 \cdot 10^{-5}$	$3.264 \cdot 10^{-5}$	0	$9.894 \cdot 10^{-7}$	$9.894 \cdot 10^{-7}$	0
cqd1	-0.01287	-0.01287	0	0.8426	0.8426	0
cqd8	0.5745	0.5745	0	0.1872	0.1872	0
cqq1	-0.00355	-0.00355	0	0.05012	0.05012	0
cqq3	0.00355	0.00355	0	0.05012	0.05012	0
cqq31	0.2209	0.2209	0	0.2005	0.2005	0
cqu1	-0.004407	-0.004407	0	0.06463	0.06463	0
cqu8	0.06221	0.06221	0	0.01436	0.01436	0
cquqd11Re	$6.628 \cdot 10^{-9}$	$6.628 \cdot 10^{-9}$	0	$9.079 \cdot 10^{-9}$	$9.079 \cdot 10^{-9}$	0
cquqd1Re	$-2.784 \cdot 10^{-7}$	$-2.784 \cdot 10^{-7}$	0	$1.406 \cdot 10^{-7}$	$1.406 \cdot 10^{-7}$	0
cquqd81Re	$-1.213 \cdot 10^{-7}$	$-1.213 \cdot 10^{-7}$	0	$2.63 \cdot 10^{-8}$	$2.63 \cdot 10^{-8}$	0
cquqd8Re	$9.039 \cdot 10^{-9}$	$9.039 \cdot 10^{-9}$	0	$3.124 \cdot 10^{-8}$	$3.124 \cdot 10^{-8}$	0
cuBRe	0.0004591	0.0004591	0	0.0009313	0.0009313	0
cuGRe	-0.1971	-0.1971	0	0.03569	0.03569	0
cuHRe	$-8.238 \cdot 10^{-9}$	$-8.238 \cdot 10^{-9}$	0	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	0
cuWRe	-0.006047	-0.006047	0	0.005861	0.005861	0
cud1	-0.00108	-0.00108	0	0.01253	0.01253	0
cud8	0.0279	0.0279	0	0.002784	0.002784	0
sm	0	0	0	0.8927	0.8927	0

1.79 $\quad t\bar{t} \to t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.2634	0.2634	0	0.003062	0.003062	0
cHWB	0.1263	0.1263	0	0.009735	0.009735	0
cHbox	-0.371	-0.371	0	0.01033	0.01033	0
cHl3	0.423	0.423	0	0.01669	0.01669	0
cHq1	0.4753	0.4753	0	0.0137	0.0137	0
cHq3	-0.2164	-0.2164	0	0.009738	0.009738	0
cHu	-0.454	-0.454	0	0.01371	0.01371	0
cll1	-0.2115	-0.2115	0	0.004173	0.004173	0
cqq1	-8.026	-8.026	0	19.29	19.29	0
cqq11	-8.026	-8.026	0	19.29	19.29	0
cqq3	-8.026	-8.026	0	19.29	19.29	0
cqq31	-8.026	-8.026	0	19.29	19.29	0
cqu1	-2.063	-2.063	0	7.402	7.402	0
cqu8	-14.49	-14.49	0	1.588	1.588	0
cuBRe	1.035	1.035	0	0.3252	0.3252	0
cuGRe	-0.7085	-0.7085	0	3.099	3.099	0
cuHRe	0.371	0.371	0	0.01033	0.01033	0
cuWRe	1.196	1.196	0	0.5694	0.5694	0
cuu	-22.84	-22.84	0	27.12	27.12	0
cuu1	-22.84	-22.84	0	27.12	27.12	0
sm	0	0	0	14.94	14.94	0

1.80 $u\bar{d} \to \mu^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHl3	$-9.113 \cdot 10^{-5}$	$-9.113 \cdot 10^{-5}$	0	$2.762 \cdot 10^{-6}$	$2.762 \cdot 10^{-6}$	0

	mod1	mod2		mod1	mod2	
cHq3	$9.113 \cdot 10^{-5}$	$9.113 \cdot 10^{-5}$	0	$2.762 \cdot 10^{-6}$	$2.762 \cdot 10^{-6}$	0
cHudRe	$-3.123 \cdot 10^{-24}$	$-3.123 \cdot 10^{-24}$	0	$1.072 \cdot 10^{-24}$	$1.072 \cdot 10^{-24}$	0
cdWRe	$-9.075 \cdot 10^{-13}$	$-9.075 \cdot 10^{-13}$	0	$2.164 \cdot 10^{-12}$	$2.164 \cdot 10^{-12}$	0
ceWRe	$-4.645 \cdot 10^{-10}$	$-4.645 \cdot 10^{-10}$	0	$1.108 \cdot 10^{-9}$	$1.108 \cdot 10^{-9}$	0
cledqRe	$-4.4 \cdot 10^{-17}$	$-4.4 \cdot 10^{-17}$	0	$2.208 \cdot 10^{-17}$	$2.208 \cdot 10^{-17}$	0
clequ1Re	$9.489 \cdot 10^{-18}$	$9.489 \cdot 10^{-18}$	0	$4.724 \cdot 10^{-18}$	$4.724 \cdot 10^{-18}$	0
clequ3Re	$2.523 \cdot 10^{-17}$	$2.523 \cdot 10^{-17}$	0	$3.26 \cdot 10^{-17}$	$3.26 \cdot 10^{-17}$	0
cll1	$9.113 \cdot 10^{-5}$	$9.113 \cdot 10^{-5}$	0	$2.762 \cdot 10^{-6}$	$2.762 \cdot 10^{-6}$	0
clq3	0.01401	0.01401	0	0.0653	0.0653	0
cuWRe	$-1.506 \cdot 10^{-13}$	$-1.506 \cdot 10^{-13}$	0	$3.82 \cdot 10^{-13}$	$3.82 \cdot 10^{-13}$	0
sm	0	0	0	0.0007516	0.0007516	0

1.81 $u\bar{d} \to c\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHl3	-0.0002529	-0.0002529	0	$1.533 \cdot 10^{-5}$	$1.533 \cdot 10^{-5}$	0
cHq3	0.0002529	0.0002529	0	$1.533 \cdot 10^{-5}$	$1.533 \cdot 10^{-5}$	0
cHudRe	$-1.285 \cdot 10^{-15}$	$-1.285 \cdot 10^{-15}$	0	$5.847 \cdot 10^{-16}$	$5.847 \cdot 10^{-16}$	0
cdWRe	$-7.361 \cdot 10^{-10}$	$-7.361 \cdot 10^{-10}$	0	$1.915 \cdot 10^{-9}$	$1.915 \cdot 10^{-9}$	0
cll1	0.0001264	0.0001264	0	$3.833 \cdot 10^{-6}$	$3.833 \cdot 10^{-6}$	0
cqq11	0.00648	0.00648	0	0.0906	0.0906	0
cqq3	0.03888	0.03888	0	0.3624	0.3624	0
cqq31	-0.00648	-0.00648	0	0.0906	0.0906	0
cquqd11Re	$-6.138 \cdot 10^{-15}$	$-6.138 \cdot 10^{-15}$	0	$8.723 \cdot 10^{-15}$	$8.723 \cdot 10^{-15}$	0
cquqd1Re	$-1.928 \cdot 10^{-14}$	$-1.928 \cdot 10^{-14}$	0	$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	0
cquqd81Re	$-7.299 \cdot 10^{-15}$	$-7.299 \cdot 10^{-15}$	0	$1.537 \cdot 10^{-15}$	$1.537 \cdot 10^{-15}$	0
cquqd8Re	$-3.758 \cdot 10^{-31}$	$-3.758 \cdot 10^{-31}$	0	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	0
cuWRe	$-4.175 \cdot 10^{-8}$	$-4.175 \cdot 10^{-8}$	0	$1.22 \cdot 10^{-7}$	$1.22 \cdot 10^{-7}$	0
sm	0	0	0	0.001043	0.001043	0

1.82 $u\bar{d} \to u\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0003014	-0.0003014	0	$2.777 \cdot 10^{-5}$	$2.777 \cdot 10^{-5}$	0
cHWB	-0.0001776	-0.0001776	0	0.0001005	0.0001005	0
cHbox	$3.78 \cdot 10^{-21}$	$3.78 \cdot 10^{-21}$	0	$3.833 \cdot 10^{-22}$	$3.833 \cdot 10^{-22}$	0
cHd	0.0001882	0.0001882	0	0.000131	0.000131	0
cHl3	0.003889	0.003889	0	0.0001957	0.0001957	0
cHq1	$2.098 \cdot 10^{-6}$	$2.098 \cdot 10^{-6}$	0	$2.94 \cdot 10^{-5}$	$2.94 \cdot 10^{-5}$	0
cHq3	-0.003927	-0.003927	0	0.0002069	0.0002069	0
cHu	0.0007491	0.0007491	0	0.0001857	0.0001857	0
cHudRe	$-1.707 \cdot 10^{-20}$	$-1.707 \cdot 10^{-20}$	0	$2.466 \cdot 10^{-24}$	$2.466 \cdot 10^{-24}$	0
cdBRe	$-2.231 \cdot 10^{-12}$	$-2.231 \cdot 10^{-12}$	0	$5.742 \cdot 10^{-12}$	$5.742 \cdot 10^{-12}$	0
cdGRe	$-1.472 \cdot 10^{-10}$	$-1.472 \cdot 10^{-10}$	0	$6.563 \cdot 10^{-11}$	$6.563 \cdot 10^{-11}$	0
cdHRe	$-1.89 \cdot 10^{-21}$	$-1.89 \cdot 10^{-21}$	0	$9.582 \cdot 10^{-23}$	$9.582 \cdot 10^{-23}$	0
cdWRe	$1.998 \cdot 10^{-11}$	$1.998 \cdot 10^{-11}$	0	$1.888 \cdot 10^{-11}$	$1.888 \cdot 10^{-11}$	0
cll1	-0.001944	-0.001944	0	$4.892 \cdot 10^{-5}$	$4.892 \cdot 10^{-5}$	0
cqd1	0.02193	0.02193	0	1	1	0
cqd8	-1.035	-1.035	0	0.2222	0.2222	0
cqq1	0.1227	0.1227	0	0.5288	0.5288	0
cqq11	0.1227	0.1227	0	0.5288	0.5288	0
cqq3	-0.9334	-0.9334	0	1.939	1.939	0
cqq31	-0.9334	-0.9334	0	1.939	1.939	0
cqu1	-0.0508	-0.0508	0	1	1	0
cqu8	-1.283	-1.283	0	0.2222	0.2222	0
cquqd11Re	$-1.28 \cdot 10^{-20}$	$-1.28 \cdot 10^{-20}$	0	$8.889 \cdot 10^{-20}$	$8.889 \cdot 10^{-20}$	0
cquqd1Re	$-1.28 \cdot 10^{-20}$	$-1.28 \cdot 10^{-20}$	0	$8.889 \cdot 10^{-20}$	$8.889 \cdot 10^{-20}$	0
cquqd81Re	$2.251 \cdot 10^{-20}$	$2.251 \cdot 10^{-20}$	0	$1.207 \cdot 10^{-20}$	$1.207 \cdot 10^{-20}$	0
cquqd8Re	$2.251 \cdot 10^{-20}$	$2.251 \cdot 10^{-20}$	0	$1.207 \cdot 10^{-20}$	$1.207 \cdot 10^{-20}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cuBRe	$-2.754 \cdot 10^{-13}$	$-2.754 \cdot 10^{-13}$	0	$5.885 \cdot 10^{-13}$	$5.885 \cdot 10^{-13}$	0
cuGRe	$-3.203 \cdot 10^{-11}$	$-3.203 \cdot 10^{-11}$	0	$2.333 \cdot 10^{-11}$	$2.333 \cdot 10^{-11}$	0
cuHRe	$-1.89 \cdot 10^{-21}$	$-1.89 \cdot 10^{-21}$	0	$9.582 \cdot 10^{-23}$	$9.582 \cdot 10^{-23}$	0
cuWRe	$1.345 \cdot 10^{-11}$	$1.345 \cdot 10^{-11}$	0	$5.137 \cdot 10^{-12}$	$5.137 \cdot 10^{-12}$	0
cud1	0.01125	0.01125	0	0.1322	0.1322	0
cud8	-0.1368	-0.1368	0	0.02938	0.02938	0
sm	0	0	0	2.682	2.682	0

1.83 $u\bar{u} \to \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-4.489 \cdot 10^{-5}$	$-4.489 \cdot 10^{-5}$	0	$4.055 \cdot 10^{-6}$	$4.055 \cdot 10^{-6}$	0
cHWB	$-4.105 \cdot 10^{-6}$	$-4.105 \cdot 10^{-6}$	0	$3.804 \cdot 10^{-6}$	$3.804 \cdot 10^{-6}$	0
cHl1	$-8.212 \cdot 10^{-5}$	$-8.212 \cdot 10^{-5}$	0	$2.489 \cdot 10^{-6}$	$2.489 \cdot 10^{-6}$	0
cHl3	$-6.313 \cdot 10^{-5}$	$-6.313 \cdot 10^{-5}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0
cHq1	$-7.992 \cdot 10^{-5}$	$-7.992 \cdot 10^{-5}$	0	$3.447 \cdot 10^{-6}$	$3.447 \cdot 10^{-6}$	0
cHq3	$1.053 \cdot 10^{-6}$	$1.053 \cdot 10^{-6}$	0	$4.541 \cdot 10^{-8}$	$4.541 \cdot 10^{-8}$	0
cHu	$8.732 \cdot 10^{-5}$	$8.732 \cdot 10^{-5}$	0	$8.907 \cdot 10^{-6}$	$8.907 \cdot 10^{-6}$	0
cll1	$6.313 \cdot 10^{-5}$	$6.313 \cdot 10^{-5}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0
clq1	0.009531	0.009531	0	0.04902	0.04902	0
clq3	0.0001256	0.0001256	0	0.0006459	0.0006459	0
clu	-0.01041	-0.01041	0	0.1267	0.1267	0
cuBRe	$2.62 \cdot 10^{-14}$	$2.62 \cdot 10^{-14}$	0	$9.143 \cdot 10^{-14}$	$9.143 \cdot 10^{-14}$	0
cuWRe	$-4.892 \cdot 10^{-14}$	$-4.892 \cdot 10^{-14}$	0	$3.188 \cdot 10^{-13}$	$3.188 \cdot 10^{-13}$	0
sm	0	0	0	0.0005206	0.0005206	0

1.84 $u\bar{u} \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	0.000246	0.000246	0	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	0
cHWB	$8.639 \cdot 10^{-6}$	$8.639 \cdot 10^{-6}$	0	0.0002533	0.0002533	0
cHbox	$-2.508 \cdot 10^{-11}$	$-2.508 \cdot 10^{-11}$	0	$2.028 \cdot 10^{-22}$	$2.028 \cdot 10^{-22}$	0
cHl3	0.09693	0.09693	0	0.002257	0.002257	0
cHq1	0.0009258	0.0009258	0	$2.976 \cdot 10^{-5}$	$2.976 \cdot 10^{-5}$	0
cHq3	-0.05643	-0.05643	0	0.001491	0.001491	0
cHu	-0.0009572	-0.0009572	0	0.000143	0.000143	0
cll1	-0.04847	-0.04847	0	0.0005641	0.0005641	0
cqq1	-6.343	-6.343	0	6.32	6.32	0
cqq11	-6.343	-6.343	0	6.32	6.32	0
cqq3	-6.343	-6.343	0	6.32	6.32	0
cqq31	-6.343	-6.343	0	6.32	6.32	0
cqu1	-0.02536	-0.02536	0	3.472	3.472	0
cqu8	-0.5663	-0.5663	0	0.7715	0.7715	0
cuBRe	$-1.449 \cdot 10^{-11}$	$-1.449 \cdot 10^{-11}$	0	$1.649 \cdot 10^{-12}$	$1.649 \cdot 10^{-12}$	0
cuGRe	$-1.014 \cdot 10^{-10}$	$-1.014 \cdot 10^{-10}$	0	$9.486 \cdot 10^{-12}$	$9.486 \cdot 10^{-12}$	0
cuHRe	$2.508 \cdot 10^{-11}$	$2.508 \cdot 10^{-11}$	0	$2.028 \cdot 10^{-22}$	$2.028 \cdot 10^{-22}$	0
cuWRe	$-1.616 \cdot 10^{-11}$	$-1.616 \cdot 10^{-11}$	0	$3.037 \cdot 10^{-12}$	$3.037 \cdot 10^{-12}$	0
cuu	-0.009779	-0.009779	0	0.2157	0.2157	0
cuu1	-0.009779	-0.009779	0	0.2157	0.2157	0
sm	0	0	0	30.65	30.65	0

1.85 $\quad zz \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	-0.04184	-0.04184	0	0.04441	0.04441	0

cHDD	0.2003	0.2003	0	0.003039	0.003039	0
cHW	0.9183	0.9183	0	1.435	1.435	0
cHWB	0.3142	0.3142	0	0.1723	0.1723	0
cHbox	7.378	7.378	0	0.4473	0.4473	0
cHl3	-268.1	-268.1	0	16.25	16.25	0
cW	-0.8573	-0.8573	0	11.35	11.35	0
cll1	134.1	134.1	0	4.063	4.063	0
sm	0	0	0	1106	1106	0

1.86 $zz \to zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.00174	0.00174	0	0.06942	0.06942	0
cHDD	0.004932	0.004932	0	$7.475 \cdot 10^{-5}$	$7.475 \cdot 10^{-5}$	0
cHW	0.005784	0.005784	0	1.021	1.021	0
cHWB	0.003249	0.003249	0	0.2421	0.2421	0
cHbox	0.01973	0.01973	0	0.001196	0.001196	0
cHl3	-0.01835	-0.01835	0	0.001112	0.001112	0
cll1	0.009175	0.009175	0	0.0002781	0.0002781	0
sm	0	0	0	0.07567	0.07567	0

2 By parameter point

2.1 cG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \to gg$	$-3.918 \cdot 10^{-10}$	$-3.918 \cdot 10^{-10}$	$-8.754 \cdot 10^{-6}$	94.75	94.75	0

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$gg \to ggg$	0.01097	0.01097	0	0.2254	0.2254	0
$gg \to t\bar{t}$	-0.002394	-0.002394	0	2.476	2.476	0
$gg \to u\bar{u}$	$-2.818 \cdot 10^{-11}$	$-2.818 \cdot 10^{-11}$	0	1.329	1.329	0

2.2 cH

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to HH$	-0.6547	-0.6547	0	1.615	1.615	0
$HH \to HHH$	$7.942 \cdot 10^{-6}$	$7.942 \cdot 10^{-6}$	0	$4.926 \cdot 10^{-5}$	$4.926 \cdot 10^{-5}$	0
$HH \to H\tau^{+}\tau^{-}$	$-5.193 \cdot 10^{-10}$	$-5.193 \cdot 10^{-10}$	0	$9.372 \cdot 10^{-10}$	$9.372 \cdot 10^{-10}$	0
$HH \to Hb\bar{b}$	$-6.644 \cdot 10^{-9}$	$-6.644 \cdot 10^{-9}$	0	$2.046 \cdot 10^{-8}$	$2.046 \cdot 10^{-8}$	0
$HH \to Hs\bar{s}$	$-8.702 \cdot 10^{-12}$	$-8.702 \cdot 10^{-12}$	0	$2.144 \cdot 10^{-11}$	$2.144 \cdot 10^{-11}$	0
$HH \to Ht\bar{t}$	$9.162 \cdot 10^{-6}$	$9.162 \cdot 10^{-6}$	0	$1.643 \cdot 10^{-5}$	$1.643 \cdot 10^{-5}$	0
$HH \to Hu\bar{u}$	$-2.568 \cdot 10^{-15}$	$-2.568 \cdot 10^{-15}$	0	$5.635 \cdot 10^{-15}$	$5.635 \cdot 10^{-15}$	0
$HH \to Hzz$	$-5.03 \cdot 10^{-6}$	$-5.03 \cdot 10^{-6}$	0	$2.289 \cdot 10^{-5}$	$2.289 \cdot 10^{-5}$	0
$HH \to W^{+}W^{-}$	4.762	4.762	0	0.1331	0.1331	0
$HH \to W^{+}W^{-}\gamma$	$-2.116 \cdot 10^{-7}$	$-2.116 \cdot 10^{-7}$	0	$8.242 \cdot 10^{-8}$	$8.242 \cdot 10^{-8}$	0
$HH \to W^{+}\bar{t}b$	$2.09 \cdot 10^{-6}$	$2.09 \cdot 10^{-6}$	0	$7.201 \cdot 10^{-7}$	$7.201 \cdot 10^{-7}$	0
$HH \to W^{+}e^{-}\bar{\nu}_e$	$3.767 \cdot 10^{-8}$	$3.767 \cdot 10^{-8}$	0	$4.286 \cdot 10^{-8}$	$4.286 \cdot 10^{-8}$	0
$HH \to W^{-}u\bar{d}$	$2.356 \cdot 10^{-8}$	$2.356 \cdot 10^{-8}$	0	$4.728 \cdot 10^{-10}$	$4.728 \cdot 10^{-10}$	0
$HH \to z\bar{b}b$	$1.606 \cdot 10^{-9}$	$1.606 \cdot 10^{-9}$	0	$3.763 \cdot 10^{-9}$	$3.763 \cdot 10^{-9}$	0
$HH \to z\nu_e\bar{\nu}_e$	$3.989 \cdot 10^{-9}$	$3.989 \cdot 10^{-9}$	0	$3.061 \cdot 10^{-11}$	$3.061 \cdot 10^{-11}$	0
$HH \to zc\bar{c}$	$4.422 \cdot 10^{-8}$	$4.422 \cdot 10^{-8}$	0	$2.504 \cdot 10^{-10}$	$2.504 \cdot 10^{-10}$	0
$HH \to zd\bar{d}$	$3.682 \cdot 10^{-9}$	$3.682 \cdot 10^{-9}$	0	$1.866 \cdot 10^{-10}$	$1.866 \cdot 10^{-10}$	0
$HH \to ze^{+}e^{-}$	$3.702 \cdot 10^{-9}$	$3.702 \cdot 10^{-9}$	0	$2.641 \cdot 10^{-9}$	$2.641 \cdot 10^{-9}$	0
$HH \to zt\bar{t}$	$4.57 \cdot 10^{-8}$	$4.57 \cdot 10^{-8}$	0	$2.108 \cdot 10^{-6}$	$2.108 \cdot 10^{-6}$	0
$HH \to zz$	0.355	0.355	0	0.06606	0.06606	0
$W^{+}W^{-} \to Hb\bar{b}$	$6.895 \cdot 10^{-8}$	$6.895 \cdot 10^{-8}$	0	$3.336 \cdot 10^{-9}$	$3.336 \cdot 10^{-9}$	0

	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$W^+W^- \to Hc\bar{c}$	$-1.108 \cdot 10^{-9}$	$-1.108 \cdot 10^{-9}$	0	$1.675 \cdot 10^{-10}$	$1.675 \cdot 10^{-10}$	0
$W^+W^- \to Hd\bar{d}$	$2.217 \cdot 10^{-16}$	$2.217 \cdot 10^{-16}$	0	$1.803 \cdot 10^{-16}$	$1.803 \cdot 10^{-16}$	0
$W^+W^- \to Ht\bar{t}$	$2.759 \cdot 10^{-7}$	$2.759 \cdot 10^{-7}$	0	$6.053 \cdot 10^{-8}$	$6.053 \cdot 10^{-8}$	0

2.3 cHB

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to Hzz$	$-4.8 \cdot 10^{-6}$	$-4.8 \cdot 10^{-6}$	0	$3.757 \cdot 10^{-7}$	$3.757 \cdot 10^{-7}$	0
$HH \to W^+W^-\gamma$	$3.519 \cdot 10^{-7}$	$3.519 \cdot 10^{-7}$	0	$2.097 \cdot 10^{-7}$	$2.097 \cdot 10^{-7}$	0
$HH \to z\bar{b}b$	$7.457 \cdot 10^{-7}$	$7.457 \cdot 10^{-7}$	0	$9.614 \cdot 10^{-7}$	$9.614 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	$9.325 \cdot 10^{-8}$	$9.325 \cdot 10^{-8}$	0	$4.15 \cdot 10^{-8}$	$4.15 \cdot 10^{-8}$	0
$HH \to zc\bar{c}$	$3.426 \cdot 10^{-8}$	$3.426 \cdot 10^{-8}$	0	$7.732 \cdot 10^{-8}$	$7.732 \cdot 10^{-8}$	0
$HH \to zd\bar{d}$	$9.177 \cdot 10^{-8}$	$9.177 \cdot 10^{-8}$	0	$2.639 \cdot 10^{-8}$	$2.639 \cdot 10^{-8}$	0
$HH \to ze^+e^-$	$2.781 \cdot 10^{-8}$	$2.781 \cdot 10^{-8}$	0	$1.808 \cdot 10^{-7}$	$1.808 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$-2.482 \cdot 10^{-6}$	$-2.482 \cdot 10^{-6}$	0	$9.516 \cdot 10^{-7}$	$9.516 \cdot 10^{-7}$	0
$HH \to zz$	0.01275	0.01275	0	0.1984	0.1984	0
$HW^+ \to \gamma t\bar{b}$	$2.658 \cdot 10^{-7}$	$2.658 \cdot 10^{-7}$	0	$4.509 \cdot 10^{-7}$	$4.509 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$5.3 \cdot 10^{-8}$	$5.3 \cdot 10^{-8}$	0	$8.803 \cdot 10^{-6}$	$8.803 \cdot 10^{-6}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-1.764 \cdot 10^{-10}$	$-1.764 \cdot 10^{-10}$	0	$1.831 \cdot 10^{-8}$	$1.831 \cdot 10^{-8}$	0
$H\gamma \to b\bar{b}$	$-4.94 \cdot 10^{-8}$	$-4.94 \cdot 10^{-8}$	0	0.00491	0.00491	0
$H\gamma \to c\bar{c}$	$-2.453 \cdot 10^{-6}$	$-2.453 \cdot 10^{-6}$	0	0.02248	0.02248	0
$H\gamma \to d\bar{d}$	$-3.743 \cdot 10^{-12}$	$-3.743 \cdot 10^{-12}$	0	0.006838	0.006838	0
$H\gamma \to e^+e^-$	$-1.983 \cdot 10^{-12}$	$-1.983 \cdot 10^{-12}$	0	0.02551	0.02551	0
$H\gamma \to t\bar{t}$	-0.1158	-0.1158	0	0.02637	0.02637	0
$Hz \to \mu^+\mu^-$	0.0002367	0.0002367	0	0.002796	0.002796	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.001367	0.001367	0	0.001111	0.001111	0
$Hz \to b\bar{b}$	0.0007892	0.0007892	0	0.0009284	0.0009284	0
$Hz \to s\bar{s}$	0.0008334	0.0008334	0	0.0009698	0.0009698	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$Hz \to t\bar{t}$	-0.0123	-0.0123	0	0.004286	0.004286	0
$Hz \to u\bar{u}$	0.0005563	0.0005563	0	0.005083	0.005083	0
$W^+W^- \to Hb\bar{b}$	$-2.87 \cdot 10^{-8}$	$-2.87 \cdot 10^{-8}$	0	$2.833 \cdot 10^{-10}$	$2.833 \cdot 10^{-10}$	0
$W^+W^- \to Hc\bar{c}$	$2.756 \cdot 10^{-9}$	$2.756 \cdot 10^{-9}$	0	$2.357 \cdot 10^{-10}$	$2.357 \cdot 10^{-10}$	0
$W^+W^- \to Hd\bar{d}$	$-5.342 \cdot 10^{-9}$	$-5.342 \cdot 10^{-9}$	0	$9.055 \cdot 10^{-11}$	$9.055 \cdot 10^{-11}$	0
$W^+W^- \to Ht\bar{t}$	$8.004 \cdot 10^{-9}$	$8.004 \cdot 10^{-9}$	0	$5.772 \cdot 10^{-10}$	$5.772 \cdot 10^{-10}$	0
$W^+W^- \to \gamma\gamma$	-0.04576	-0.04576	0	0.2771	0.2771	0
$W^+W^- \to \gamma\gamma\gamma$	$-6.648 \cdot 10^{-7}$	$-6.648 \cdot 10^{-7}$	0	$7.262 \cdot 10^{-6}$	$7.262 \cdot 10^{-6}$	0
$\gamma W^+ \to zW^+$	-0.05602	-0.05602	0	0.0896	0.0896	0
$b\bar{b} \to \gamma\gamma$	$-3.891 \cdot 10^{-7}$	$-3.891 \cdot 10^{-7}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0
$zz \to W^+W^-$	-0.04184	-0.04184	0	0.04441	0.04441	0
$zz \to zz$	0.00174	0.00174	0	0.06942	0.06942	0

2.4 cHDD

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	-0.1077	-0.1077	0	0.01445	0.01445	0
$HH \to HHH$	$4.392 \cdot 10^{-7}$	$4.392 \cdot 10^{-7}$	0	$1.513 \cdot 10^{-8}$	$1.513 \cdot 10^{-8}$	0
$HH \to H\tau^+\tau^-$	$-2.492 \cdot 10^{-10}$	$-2.492 \cdot 10^{-10}$	0	$5.206 \cdot 10^{-11}$	$5.206 \cdot 10^{-11}$	0
$HH \to Hb\bar{b}$	$-4.487 \cdot 10^{-10}$	$-4.487 \cdot 10^{-10}$	0	$1.994 \cdot 10^{-10}$	$1.994 \cdot 10^{-10}$	0
$HH \to Hs\bar{s}$	$-3.623 \cdot 10^{-13}$	$-3.623 \cdot 10^{-13}$	0	$1.375 \cdot 10^{-13}$	$1.375 \cdot 10^{-13}$	0
$HH \to Ht\bar{t}$	$4.351 \cdot 10^{-6}$	$4.351 \cdot 10^{-6}$	0	$3.153 \cdot 10^{-7}$	$3.153 \cdot 10^{-7}$	0
$HH \to Hu\bar{u}$	$-1.532 \cdot 10^{-16}$	$-1.532 \cdot 10^{-16}$	0	$6.728 \cdot 10^{-17}$	$6.728 \cdot 10^{-17}$	0
$HH \to Hzz$	$-6.016 \cdot 10^{-6}$	$-6.016 \cdot 10^{-6}$	0	$6.315 \cdot 10^{-7}$	$6.315 \cdot 10^{-7}$	0
$HH \to W^+W^-$	1.749	1.749	0	0.1947	0.1947	0
$HH \to W^+W^-\gamma$	$6.646 \cdot 10^{-7}$	$6.646 \cdot 10^{-7}$	0	$9.273 \cdot 10^{-7}$	$9.273 \cdot 10^{-7}$	0
$HH \to W^+\bar{t}b$	$-3.146 \cdot 10^{-6}$	$-3.146 \cdot 10^{-6}$	0	$4.286 \cdot 10^{-6}$	$4.286 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.899 \cdot 10^{-7}$	$1.899 \cdot 10^{-7}$	0	$3.33 \cdot 10^{-9}$	$3.33 \cdot 10^{-9}$	0

$HH \to W^- u\bar{d}$	$-2.087 \cdot 10^{-8}$	$-2.087 \cdot 10^{-8}$	0	$9.274 \cdot 10^{-9}$	$9.274 \cdot 10^{-9}$	0
$HH \to z\bar{b}b$	$-6.823 \cdot 10^{-7}$	$-6.823 \cdot 10^{-7}$	0	$6.277 \cdot 10^{-7}$	$6.277 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	$-6.468 \cdot 10^{-10}$	$-6.468 \cdot 10^{-10}$	0	$1.018 \cdot 10^{-9}$	$1.018 \cdot 10^{-9}$	0
$HH \to zc\bar{c}$	$7.234 \cdot 10^{-8}$	$7.234 \cdot 10^{-8}$	0	$4.689 \cdot 10^{-9}$	$4.689 \cdot 10^{-9}$	0
$HH \to zd\bar{d}$	$2.759 \cdot 10^{-8}$	$2.759 \cdot 10^{-8}$	0	$1.234 \cdot 10^{-9}$	$1.234 \cdot 10^{-9}$	0
$HH \to ze^+e^-$	$8.882 \cdot 10^{-10}$	$8.882 \cdot 10^{-10}$	0	$1.44 \cdot 10^{-9}$	$1.44 \cdot 10^{-9}$	0
$HH \to zt\bar{t}$	$4.152 \cdot 10^{-5}$	$4.152 \cdot 10^{-5}$	0	$2.777 \cdot 10^{-6}$	$2.777 \cdot 10^{-6}$	0
$HH \to zz$	-0.514	-0.514	0	0.4377	0.4377	0
$HW^+ \to \gamma t\bar{b}$	$-1.95 \cdot 10^{-7}$	$-1.95 \cdot 10^{-7}$	0	$6.632 \cdot 10^{-9}$	$6.632 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$-7.979 \cdot 10^{-9}$	$-7.979 \cdot 10^{-9}$	0	$2.713 \cdot 10^{-10}$	$2.713 \cdot 10^{-10}$	0
$HW^+ \to u\bar{d}$	-0.0006116	-0.0006116	0	$4.635 \cdot 10^{-6}$	$4.635 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	-0.02271	-0.02271	0	0.0001721	0.0001721	0
$HW^- \to \gamma e^- \bar{\nu}_e$	$-1.466 \cdot 10^{-9}$	$-1.466 \cdot 10^{-9}$	0	$4.986 \cdot 10^{-11}$	$4.986 \cdot 10^{-11}$	0
$HW^- \to \mu^- \bar{\nu}_\mu$	-0.0002067	-0.0002067	0	$1.567 \cdot 10^{-6}$	$1.567 \cdot 10^{-6}$	0
$H\gamma \to b\bar{b}$	$-1.004 \cdot 10^{-5}$	$-1.004 \cdot 10^{-5}$	0	$3.415 \cdot 10^{-7}$	$3.415 \cdot 10^{-7}$	0
$H\gamma \to c\bar{c}$	$-5.873 \cdot 10^{-6}$	$-5.873 \cdot 10^{-6}$	0	$1.997 \cdot 10^{-7}$	$1.997 \cdot 10^{-7}$	0
$H\gamma \to d\bar{d}$	$-2.095 \cdot 10^{-11}$	$-2.095 \cdot 10^{-11}$	0	$7.123 \cdot 10^{-13}$	$7.123 \cdot 10^{-13}$	0
$H\gamma \to e^+e^-$	$-1.929 \cdot 10^{-12}$	$-1.929 \cdot 10^{-12}$	0	$6.559 \cdot 10^{-14}$	$6.559 \cdot 10^{-14}$	0
$H\gamma \to t\bar{t}$	-0.1269	-0.1269	0	0.004314	0.004314	0
$Hz \to \mu^+\mu^-$	$6.649 \cdot 10^{-5}$	$6.649 \cdot 10^{-5}$	0	$2.885 \cdot 10^{-5}$	$2.885 \cdot 10^{-5}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$5.278 \cdot 10^{-20}$	$5.278 \cdot 10^{-20}$	0	$6.923 \cdot 10^{-36}$	$6.923 \cdot 10^{-36}$	0
$Hz \to b\bar{b}$	0.0004436	0.0004436	0	$1.85 \cdot 10^{-5}$	$1.85 \cdot 10^{-5}$	0
$Hz \to s\bar{s}$	0.0004182	0.0004182	0	$9.347 \cdot 10^{-6}$	$9.347 \cdot 10^{-6}$	0
$Hz \to t\bar{t}$	0.01395	0.01395	0	0.01759	0.01759	0
$Hz \to u\bar{u}$	0.0002083	0.0002083	0	$1.613 \cdot 10^{-5}$	$1.613 \cdot 10^{-5}$	0
$W^+W^- \to Hb\bar{b}$	$-3.228 \cdot 10^{-7}$	$-3.228 \cdot 10^{-7}$	0	$7.571 \cdot 10^{-9}$	$7.571 \cdot 10^{-9}$	0
$W^+W^- \to Hc\bar{c}$	$-1.369 \cdot 10^{-8}$	$-1.369 \cdot 10^{-8}$	0	$3.399 \cdot 10^{-10}$	$3.399 \cdot 10^{-10}$	0
$W^+W^- \to Hd\bar{d}$	$-3.067 \cdot 10^{-8}$	$-3.067 \cdot 10^{-8}$	0	$6.847 \cdot 10^{-10}$	$6.847 \cdot 10^{-10}$	0
$W^+W^- \to Ht\bar{t}$	$-4.329 \cdot 10^{-7}$	$-4.329 \cdot 10^{-7}$	0	$2.281 \cdot 10^{-7}$	$2.281 \cdot 10^{-7}$	0

$W^+W^- \to W^+W^-$	2.779	2.779	0	0.04228	0.04228	0
$W^+W^- \to \gamma\gamma$	-0.01787	-0.01787	0	0.0009446	0.0009446	0
$W^+W^- \to \gamma\gamma\gamma$	-0.0001044	-0.0001044	0	$8.274 \cdot 10^{-6}$	$8.274 \cdot 10^{-6}$	0
$\gamma W^+ \to z W^+$	-0.03927	-0.03927	0	0.0007402	0.0007402	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.001457	-0.001457	0	$9.478 \cdot 10^{-5}$	$9.478 \cdot 10^{-5}$	0
$\nu_\tau \bar{\nu}_\tau \to \nu_\tau \bar{\nu}_\tau$	-0.03606	-0.03606	0	0.0005466	0.0005466	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	-0.0008277	-0.0008277	0	$1.254 \cdot 10^{-5}$	$1.254 \cdot 10^{-5}$	0
$b\bar{b} \to \gamma\gamma$	$-1.577 \cdot 10^{-5}$	$-1.577 \cdot 10^{-5}$	0	$8.335 \cdot 10^{-7}$	$8.335 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	$-3.527 \cdot 10^{-5}$	$-3.527 \cdot 10^{-5}$	0	$3.787 \cdot 10^{-6}$	$3.787 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$-5.091 \cdot 10^{-5}$	$-5.091 \cdot 10^{-5}$	0	$5.951 \cdot 10^{-7}$	$5.951 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	0.001694	0.001694	0	$7.046 \cdot 10^{-6}$	$7.046 \cdot 10^{-6}$	0
$b\bar{b} \to d\bar{d}$	$-2.679 \cdot 10^{-5}$	$-2.679 \cdot 10^{-5}$	0	$1.194 \cdot 10^{-6}$	$1.194 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	0.0003639	0.0003639	0	$4.641 \cdot 10^{-6}$	$4.641 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	$-8.208 \cdot 10^{-5}$	$-8.208 \cdot 10^{-5}$	0	$1.129 \cdot 10^{-5}$	$1.129 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	-0.0001756	-0.0001756	0	$1.198 \cdot 10^{-5}$	$1.198 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	$-4.21 \cdot 10^{-5}$	$-4.21 \cdot 10^{-5}$	0	$4.765 \cdot 10^{-6}$	$4.765 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$-4.731 \cdot 10^{-5}$	$-4.731 \cdot 10^{-5}$	0	$3.631 \cdot 10^{-6}$	$3.631 \cdot 10^{-6}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.006616	-0.006616	0	0.0007012	0.0007012	0
$e^+\nu_e \to e^+\nu_e$	-0.01583	-0.01583	0	0.003665	0.003665	0
$e^+\tau^- \to e^+\tau^-$	-3.801	-3.801	0	0.2176	0.2176	0
$e^+e^- \to \mu^+\mu^-$	-0.003653	-0.003653	0	0.0002074	0.0002074	0
$e^+e^- \to e^+e^-$	-0.02916	-0.02916	0	0.001852	0.001852	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$-3.517 \cdot 10^{-5}$	$-3.517 \cdot 10^{-5}$	0	$8.693 \cdot 10^{-7}$	$8.693 \cdot 10^{-7}$	0
$s\bar{s} \to s\bar{s}$	0.00138	0.00138	0	$6.394 \cdot 10^{-6}$	$6.394 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	-0.0001011	-0.0001011	0	$7.885 \cdot 10^{-6}$	$7.885 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	-0.0005309	-0.0005309	0	$3.07 \cdot 10^{-5}$	$3.07 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	-0.0001218	-0.0001218	0	$7.295 \cdot 10^{-6}$	$7.295 \cdot 10^{-6}$	0
$t\bar{t} \to d\bar{d}$	$-3.359 \cdot 10^{-5}$	$-3.359 \cdot 10^{-5}$	0	$4.076 \cdot 10^{-6}$	$4.076 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	$-5.674 \cdot 10^{-5}$	$-5.674 \cdot 10^{-5}$	0	$8.952 \cdot 10^{-6}$	$8.952 \cdot 10^{-6}$	0

$t\bar{t} \to t\bar{t}$	0.2634	0.2634	0	0.003062	0.003062	0
$u\bar{d} \to u\bar{d}$	-0.0003014	-0.0003014	0	$2.777 \cdot 10^{-5}$	$2.777 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$-4.489 \cdot 10^{-5}$	$-4.489 \cdot 10^{-5}$	0	$4.055 \cdot 10^{-6}$	$4.055 \cdot 10^{-6}$	0
$u\bar{u} \to u\bar{u}$	0.000246	0.000246	0	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	0
$zz \to W^+ W^-$	0.2003	0.2003	0	0.003039	0.003039	0
$zz \to zz$	0.004932	0.004932	0	$7.475 \cdot 10^{-5}$	$7.475 \cdot 10^{-5}$	0

2.5   cHG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \to t\bar{t}$	-0.03995	-0.03995	0	0.04069	0.04069	0
$gg \to u\bar{u}$	$-1.321 \cdot 10^{-11}$	$-1.321 \cdot 10^{-11}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0

2.6   cHW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hzz$	$-7.839 \cdot 10^{-6}$	$-7.839 \cdot 10^{-6}$	0	$8.526 \cdot 10^{-6}$	$8.526 \cdot 10^{-6}$	0
$HH \to W^+ W^-$	0.6426	0.6426	0	12.92	12.92	0
$HH \to W^+ W^- \gamma$	$-1.377 \cdot 10^{-6}$	$-1.377 \cdot 10^{-6}$	0	0.0001156	0.0001156	0
$HH \to W^+ \bar{t} b$	$-5.749 \cdot 10^{-6}$	$-5.749 \cdot 10^{-6}$	0	$4.638 \cdot 10^{-6}$	$4.638 \cdot 10^{-6}$	0
$HH \to W^+ e^- \bar{\nu}_e$	$1.634 \cdot 10^{-6}$	$1.634 \cdot 10^{-6}$	0	$2.033 \cdot 10^{-5}$	$2.033 \cdot 10^{-5}$	0
$HH \to W^- u\bar{d}$	$1.566 \cdot 10^{-6}$	$1.566 \cdot 10^{-6}$	0	$2.602 \cdot 10^{-6}$	$2.602 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$4.985 \cdot 10^{-7}$	$4.985 \cdot 10^{-7}$	0	$5.542 \cdot 10^{-6}$	$5.542 \cdot 10^{-6}$	0
$HH \to z\nu_e \bar{\nu}_e$	$-1.631 \cdot 10^{-8}$	$-1.631 \cdot 10^{-8}$	0	$1.022 \cdot 10^{-6}$	$1.022 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$8.888 \cdot 10^{-7}$	$8.888 \cdot 10^{-7}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	$5.293 \cdot 10^{-7}$	$5.293 \cdot 10^{-7}$	0	$1.484 \cdot 10^{-6}$	$1.484 \cdot 10^{-6}$	0
$HH \to ze^+ e^-$	$-3.354 \cdot 10^{-7}$	$-3.354 \cdot 10^{-7}$	0	$2.239 \cdot 10^{-6}$	$2.239 \cdot 10^{-6}$	0

$HH \to zt\bar{t}$	$-3.958 \cdot 10^{-6}$	$-3.958 \cdot 10^{-6}$	0	$1.636 \cdot 10^{-5}$	$1.636 \cdot 10^{-5}$	0
$HH \to zz$	0.06471	0.06471	0	2.53	2.53	0
$HW^+ \to \gamma t\bar{b}$	$-1.512 \cdot 10^{-6}$	$-1.512 \cdot 10^{-6}$	0	$1.368 \cdot 10^{-6}$	$1.368 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	$-7.981 \cdot 10^{-8}$	$-7.981 \cdot 10^{-8}$	0	$4.248 \cdot 10^{-7}$	$4.248 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	0.01225	0.01225	0	0.05747	0.05747	0
$HW^- \to \bar{t}b$	-0.05482	-0.05482	0	0.06634	0.06634	0
$HW^- \to \gamma e^- \bar{\nu}_e$	$-1.477 \cdot 10^{-9}$	$-1.477 \cdot 10^{-9}$	0	$5.421 \cdot 10^{-8}$	$5.421 \cdot 10^{-8}$	0
$HW^- \to \mu^- \bar{\nu}_\mu$	0.004013	0.004013	0	0.01882	0.01882	0
$H\gamma \to b\bar{b}$	$-7.784 \cdot 10^{-6}$	$-7.784 \cdot 10^{-6}$	0	0.01199	0.01199	0
$H\gamma \to c\bar{c}$	$-1.303 \cdot 10^{-6}$	$-1.303 \cdot 10^{-6}$	0	0.01177	0.01177	0
$H\gamma \to d\bar{d}$	$-3.644 \cdot 10^{-12}$	$-3.644 \cdot 10^{-12}$	0	0.01034	0.01034	0
$H\gamma \to e^+ e^-$	$-4.441 \cdot 10^{-13}$	$-4.441 \cdot 10^{-13}$	0	0.004916	0.004916	0
$H\gamma \to t\bar{t}$	-0.008367	-0.008367	0	0.009213	0.009213	0
$Hz \to \mu^+ \mu^-$	0.002191	0.002191	0	0.01112	0.01112	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	0.003637	0.003637	0	0.0103	0.0103	0
$Hz \to b\bar{b}$	0.006139	0.006139	0	0.0205	0.0205	0
$Hz \to s\bar{s}$	0.008093	0.008093	0	0.02689	0.02689	0
$Hz \to t\bar{t}$	-0.1871	-0.1871	0	0.04286	0.04286	0
$Hz \to u\bar{u}$	0.007874	0.007874	0	0.03163	0.03163	0
$W^+ W^- \to Hb\bar{b}$	$-7.486 \cdot 10^{-6}$	$-7.486 \cdot 10^{-6}$	0	$1.014 \cdot 10^{-5}$	$1.014 \cdot 10^{-5}$	0
$W^+ W^- \to Hc\bar{c}$	$-1.109 \cdot 10^{-5}$	$-1.109 \cdot 10^{-5}$	0	$5.996 \cdot 10^{-5}$	$5.996 \cdot 10^{-5}$	0
$W^+ W^- \to Hd\bar{d}$	$-2.553 \cdot 10^{-7}$	$-2.553 \cdot 10^{-7}$	0	$2.143 \cdot 10^{-7}$	$2.143 \cdot 10^{-7}$	0
$W^+ W^- \to Ht\bar{t}$	$3.162 \cdot 10^{-6}$	$3.162 \cdot 10^{-6}$	0	$1.047 \cdot 10^{-5}$	$1.047 \cdot 10^{-5}$	0
$W^+ W^- \to W^+ W^-$	0.2485	0.2485	0	2.72	2.72	0
$W^+ W^- \to \gamma\gamma$	-0.01143	-0.01143	0	0.02279	0.02279	0
$W^+ W^- \to \gamma\gamma\gamma$	$-2.611 \cdot 10^{-9}$	$-2.611 \cdot 10^{-9}$	0	$1.566 \cdot 10^{-8}$	$1.566 \cdot 10^{-8}$	0
$\gamma W^+ \to z W^+$	-0.0005463	-0.0005463	0	0.0001184	0.0001184	0
$b\bar{b} \to \gamma\gamma$	$-3.898 \cdot 10^{-7}$	$-3.898 \cdot 10^{-7}$	0	$5.97 \cdot 10^{-7}$	$5.97 \cdot 10^{-7}$	0
$zz \to W^+ W^-$	0.9183	0.9183	0	1.435	1.435	0

| $zz \to zz$ | 0.005784 | 0.005784 | 0 | 1.021 | 1.021 | 0 |

2.7 cHWB

	interference				square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$		mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
$HH \to Hzz$	$-8.963 \cdot 10^{-6}$	$-8.963 \cdot 10^{-6}$	0		$1.31 \cdot 10^{-6}$	$1.31 \cdot 10^{-6}$	0
$HH \to W^+W^-\gamma$	$-2.194 \cdot 10^{-7}$	$-2.194 \cdot 10^{-7}$	0		$2.237 \cdot 10^{-6}$	$2.237 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$2.143 \cdot 10^{-6}$	$2.143 \cdot 10^{-6}$	0		$3.67 \cdot 10^{-6}$	$3.67 \cdot 10^{-6}$	0
$HH \to z\nu_e\bar{\nu}_e$	$1.741 \cdot 10^{-7}$	$1.741 \cdot 10^{-7}$	0		$1.447 \cdot 10^{-7}$	$1.447 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$2.556 \cdot 10^{-7}$	$2.556 \cdot 10^{-7}$	0		$7.249 \cdot 10^{-8}$	$7.249 \cdot 10^{-8}$	0
$HH \to zd\bar{d}$	$3.122 \cdot 10^{-7}$	$3.122 \cdot 10^{-7}$	0		$9.206 \cdot 10^{-8}$	$9.206 \cdot 10^{-8}$	0
$HH \to ze^+e^-$	$7.37 \cdot 10^{-8}$	$7.37 \cdot 10^{-8}$	0		$1.162 \cdot 10^{-7}$	$1.162 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$1.339 \cdot 10^{-5}$	$1.339 \cdot 10^{-5}$	0		$3.007 \cdot 10^{-6}$	$3.007 \cdot 10^{-6}$	0
$HH \to zz$	0.02381	0.02381	0		0.6919	0.6919	0
$HW^+ \to \gamma t\bar{b}$	$8.521 \cdot 10^{-7}$	$8.521 \cdot 10^{-7}$	0		$2.494 \cdot 10^{-6}$	$2.494 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	$-5.348 \cdot 10^{-7}$	$-5.348 \cdot 10^{-7}$	0		$6.555 \cdot 10^{-5}$	$6.555 \cdot 10^{-5}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-1.042 \cdot 10^{-8}$	$-1.042 \cdot 10^{-8}$	0		$7.24 \cdot 10^{-8}$	$7.24 \cdot 10^{-8}$	0
$H\gamma \to b\bar{b}$	$-1.656 \cdot 10^{-5}$	$-1.656 \cdot 10^{-5}$	0		0.006578	0.006578	0
$H\gamma \to c\bar{c}$	$-7.739 \cdot 10^{-6}$	$-7.739 \cdot 10^{-6}$	0		0.01403	0.01403	0
$H\gamma \to d\bar{d}$	$-2.313 \cdot 10^{-11}$	$-2.313 \cdot 10^{-11}$	0		0.009158	0.009158	0
$H\gamma \to e^+e^-$	$-2.062 \cdot 10^{-12}$	$-2.062 \cdot 10^{-12}$	0		0.008841	0.008841	0
$H\gamma \to t\bar{t}$	-0.115	-0.115	0		0.01771	0.01771	0
$Hz \to \mu^+\mu^-$	0.0006538	0.0006538	0		0.001931	0.001931	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.002553	0.002553	0		0.003874	0.003874	0
$Hz \to b\bar{b}$	0.002846	0.002846	0		0.003293	0.003293	0
$Hz \to s\bar{s}$	0.002941	0.002941	0		0.003439	0.003439	0
$Hz \to t\bar{t}$	-0.01069	-0.01069	0		0.005089	0.005089	0
$Hz \to u\bar{u}$	0.002947	0.002947	0		0.005224	0.005224	0

$W^+W^- \to Hb\bar{b}$	$-1.373 \cdot 10^{-7}$	$-1.373 \cdot 10^{-7}$	0	$5.056 \cdot 10^{-8}$	$5.056 \cdot 10^{-8}$	0
$W^+W^- \to Hc\bar{c}$	$2.484 \cdot 10^{-8}$	$2.484 \cdot 10^{-8}$	0	$4.672 \cdot 10^{-8}$	$4.672 \cdot 10^{-8}$	0
$W^+W^- \to Hd\bar{d}$	$-3.488 \cdot 10^{-8}$	$-3.488 \cdot 10^{-8}$	0	$1.311 \cdot 10^{-8}$	$1.311 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$3.025 \cdot 10^{-7}$	$3.025 \cdot 10^{-7}$	0	$1.127 \cdot 10^{-7}$	$1.127 \cdot 10^{-7}$	0
$W^+W^- \to W^+W^-$	-0.1225	-0.1225	0	0.02493	0.02493	0
$W^+W^- \to \gamma\gamma$	-0.0506	-0.0506	0	0.08149	0.08149	0
$W^+W^- \to \gamma\gamma\gamma$	-0.0001517	-0.0001517	0	$2.226 \cdot 10^{-5}$	$2.226 \cdot 10^{-5}$	0
$\gamma W^+ \to zW^+$	0.05699	0.05699	0	0.4478	0.4478	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.003457	-0.003457	0	0.0005257	0.0005257	0
$b\bar{b} \to \gamma\gamma$	$-3.357 \cdot 10^{-5}$	$-3.357 \cdot 10^{-5}$	0	$5.859 \cdot 10^{-6}$	$5.859 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$-6.848 \cdot 10^{-5}$	$-6.848 \cdot 10^{-5}$	0	$1.11 \cdot 10^{-5}$	$1.11 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.298 \cdot 10^{-5}$	$7.298 \cdot 10^{-5}$	0	$9.821 \cdot 10^{-7}$	$9.821 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	0.001386	0.001386	0	$9.647 \cdot 10^{-6}$	$9.647 \cdot 10^{-6}$	0
$b\bar{b} \to d\bar{d}$	$3.488 \cdot 10^{-5}$	$3.488 \cdot 10^{-5}$	0	$1.672 \cdot 10^{-6}$	$1.672 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.0002946	-0.0002946	0	$1.427 \cdot 10^{-5}$	$1.427 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	-0.0001337	-0.0001337	0	$3.127 \cdot 10^{-5}$	$3.127 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	-0.0004973	-0.0004973	0	0.0001016	0.0001016	0
$d\bar{d} \to c\bar{c}$	$-4.667 \cdot 10^{-5}$	$-4.667 \cdot 10^{-5}$	0	$1.431 \cdot 10^{-5}$	$1.431 \cdot 10^{-5}$	0
$d\bar{d} \to e^+e^-$	$-5.025 \cdot 10^{-5}$	$-5.025 \cdot 10^{-5}$	0	$1.18 \cdot 10^{-5}$	$1.18 \cdot 10^{-5}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.003314	-0.003314	0	0.0006355	0.0006355	0
$e^+\nu_e \to e^+\nu_e$	0.01152	0.01152	0	0.003725	0.003725	0
$e^+\tau^- \to e^+\tau^-$	-8.258	-8.258	0	0.9584	0.9584	0
$e^+e^- \to \mu^+\mu^-$	-0.007437	-0.007437	0	0.0006856	0.0006856	0
$e^+e^- \to e^+e^-$	-0.0681	-0.0681	0	0.009901	0.009901	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$3.197 \cdot 10^{-5}$	$3.197 \cdot 10^{-5}$	0	$9.046 \cdot 10^{-7}$	$9.046 \cdot 10^{-7}$	0
$s\bar{s} \to s\bar{s}$	0.001172	0.001172	0	$8.376 \cdot 10^{-6}$	$8.376 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-8.053 \cdot 10^{-5}$	$-8.053 \cdot 10^{-5}$	0	$5.98 \cdot 10^{-6}$	$5.98 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	-0.001169	-0.001169	0	0.0001013	0.0001013	0
$t\bar{t} \to c\bar{c}$	-0.0004498	-0.0004498	0	0.0001014	0.0001014	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	$-4.551 \cdot 10^{-5}$	$-4.551 \cdot 10^{-5}$	0	$1.403 \cdot 10^{-5}$	$1.403 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	-0.0001193	-0.0001193	0	$2.569 \cdot 10^{-5}$	$2.569 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.1263	0.1263	0	0.009735	0.009735	0
$u\bar{d} \to u\bar{d}$	-0.0001776	-0.0001776	0	0.0001005	0.0001005	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-4.105 \cdot 10^{-6}$	$-4.105 \cdot 10^{-6}$	0	$3.804 \cdot 10^{-6}$	$3.804 \cdot 10^{-6}$	0
$u\bar{u} \to u\bar{u}$	$8.639 \cdot 10^{-6}$	$8.639 \cdot 10^{-6}$	0	0.0002533	0.0002533	0
$zz \to W^+W^-$	0.3142	0.3142	0	0.1723	0.1723	0
$zz \to zz$	0.003249	0.003249	0	0.2421	0.2421	0

2.8   cHbox

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	0.4309	0.4309	0	0.2312	0.2312	0
$HH \to HHH$	$-1.757 \cdot 10^{-6}$	$-1.757 \cdot 10^{-6}$	0	$2.42 \cdot 10^{-7}$	$2.42 \cdot 10^{-7}$	0
$HH \to H\tau^+\tau^-$	$9.969 \cdot 10^{-10}$	$9.969 \cdot 10^{-10}$	0	$8.33 \cdot 10^{-10}$	$8.33 \cdot 10^{-10}$	0
$HH \to Hb\bar{b}$	$1.795 \cdot 10^{-9}$	$1.795 \cdot 10^{-9}$	0	$3.19 \cdot 10^{-9}$	$3.19 \cdot 10^{-9}$	0
$HH \to Hs\bar{s}$	$1.449 \cdot 10^{-12}$	$1.449 \cdot 10^{-12}$	0	$2.2 \cdot 10^{-12}$	$2.2 \cdot 10^{-12}$	0
$HH \to Ht\bar{t}$	$-1.74 \cdot 10^{-5}$	$-1.74 \cdot 10^{-5}$	0	$5.045 \cdot 10^{-6}$	$5.045 \cdot 10^{-6}$	0
$HH \to Hu\bar{u}$	$6.127 \cdot 10^{-16}$	$6.127 \cdot 10^{-16}$	0	$1.076 \cdot 10^{-15}$	$1.076 \cdot 10^{-15}$	0
$HH \to Hzz$	$1.686 \cdot 10^{-5}$	$1.686 \cdot 10^{-5}$	0	$4.479 \cdot 10^{-6}$	$4.479 \cdot 10^{-6}$	0
$HH \to W^+W^-$	-6.994	-6.994	0	3.116	3.116	0
$HH \to W^+W^-\gamma$	$-3.064 \cdot 10^{-6}$	$-3.064 \cdot 10^{-6}$	0	$1.544 \cdot 10^{-5}$	$1.544 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	$1.258 \cdot 10^{-5}$	$1.258 \cdot 10^{-5}$	0	$6.857 \cdot 10^{-5}$	$6.857 \cdot 10^{-5}$	0
$HH \to W^+e^-\bar{\nu}_e$	$-7.595 \cdot 10^{-7}$	$-7.595 \cdot 10^{-7}$	0	$5.328 \cdot 10^{-8}$	$5.328 \cdot 10^{-8}$	0
$HH \to W^-u\bar{d}$	$8.35 \cdot 10^{-8}$	$8.35 \cdot 10^{-8}$	0	$1.484 \cdot 10^{-7}$	$1.484 \cdot 10^{-7}$	0
$HH \to z\bar{b}b$	$-1.324 \cdot 10^{-6}$	$-1.324 \cdot 10^{-6}$	0	$2.692 \cdot 10^{-6}$	$2.692 \cdot 10^{-6}$	0
$HH \to z\nu_e\bar{\nu}_e$	$2.842 \cdot 10^{-8}$	$2.842 \cdot 10^{-8}$	0	$5.691 \cdot 10^{-9}$	$5.691 \cdot 10^{-9}$	0
$HH \to zc\bar{c}$	$2.529 \cdot 10^{-7}$	$2.529 \cdot 10^{-7}$	0	$1.457 \cdot 10^{-8}$	$1.457 \cdot 10^{-8}$	0

$HH \to zd\bar{d}$	$1.421 \cdot 10^{-7}$	$1.421 \cdot 10^{-7}$	0	$9.876 \cdot 10^{-9}$	$9.876 \cdot 10^{-9}$	0
$HH \to ze^+e^-$	$1.889 \cdot 10^{-8}$	$1.889 \cdot 10^{-8}$	0	$2.293 \cdot 10^{-9}$	$2.293 \cdot 10^{-9}$	0
$HH \to zt\bar{t}$	0.0001686	0.0001686	0	$2.648 \cdot 10^{-5}$	$2.648 \cdot 10^{-5}$	0
$HH \to zz$	-1.052	-1.052	0	1.866	1.866	0
$HW^+ \to \gamma t\bar{b}$	$1.739 \cdot 10^{-7}$	$1.739 \cdot 10^{-7}$	0	$5.27 \cdot 10^{-9}$	$5.27 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$7.113 \cdot 10^{-9}$	$7.113 \cdot 10^{-9}$	0	$2.156 \cdot 10^{-10}$	$2.156 \cdot 10^{-10}$	0
$HW^+ \to u\bar{d}$	0.002446	0.002446	0	$7.416 \cdot 10^{-5}$	$7.416 \cdot 10^{-5}$	0
$HW^- \to \bar{t}b$	0.09086	0.09086	0	0.002754	0.002754	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$1.307 \cdot 10^{-9}$	$1.307 \cdot 10^{-9}$	0	$3.962 \cdot 10^{-11}$	$3.962 \cdot 10^{-11}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0.0008269	0.0008269	0	$2.507 \cdot 10^{-5}$	$2.507 \cdot 10^{-5}$	0
$H\gamma \to b\bar{b}$	$8.953 \cdot 10^{-6}$	$8.953 \cdot 10^{-6}$	0	$2.714 \cdot 10^{-7}$	$2.714 \cdot 10^{-7}$	0
$H\gamma \to c\bar{c}$	$5.235 \cdot 10^{-6}$	$5.235 \cdot 10^{-6}$	0	$1.587 \cdot 10^{-7}$	$1.587 \cdot 10^{-7}$	0
$H\gamma \to d\bar{d}$	$1.867 \cdot 10^{-11}$	$1.867 \cdot 10^{-11}$	0	$5.66 \cdot 10^{-13}$	$5.66 \cdot 10^{-13}$	0
$H\gamma \to e^+e^-$	$1.719 \cdot 10^{-12}$	$1.719 \cdot 10^{-12}$	0	$5.212 \cdot 10^{-14}$	$5.212 \cdot 10^{-14}$	0
$H\gamma \to t\bar{t}$	0.1131	0.1131	0	0.003428	0.003428	0
$Hz \to \mu^+\mu^-$	0.0003986	0.0003986	0	$1.208 \cdot 10^{-5}$	$1.208 \cdot 10^{-5}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$6.336 \cdot 10^{-5}$	$6.336 \cdot 10^{-5}$	0	$1.92 \cdot 10^{-6}$	$1.92 \cdot 10^{-6}$	0
$Hz \to b\bar{b}$	0.00178	0.00178	0	$5.394 \cdot 10^{-5}$	$5.394 \cdot 10^{-5}$	0
$Hz \to s\bar{s}$	0.001716	0.001716	0	$5.2 \cdot 10^{-5}$	$5.2 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	0.2294	0.2294	0	0.006954	0.006954	0
$Hz \to u\bar{u}$	0.0005772	0.0005772	0	$1.749 \cdot 10^{-5}$	$1.749 \cdot 10^{-5}$	0
$W^+W^- \to Hb\bar{b}$	$4.92 \cdot 10^{-7}$	$4.92 \cdot 10^{-7}$	0	$2.418 \cdot 10^{-8}$	$2.418 \cdot 10^{-8}$	0
$W^+W^- \to Hc\bar{c}$	$1.954 \cdot 10^{-8}$	$1.954 \cdot 10^{-8}$	0	$6.865 \cdot 10^{-10}$	$6.865 \cdot 10^{-10}$	0
$W^+W^- \to Hd\bar{d}$	$4.474 \cdot 10^{-8}$	$4.474 \cdot 10^{-8}$	0	$1.356 \cdot 10^{-9}$	$1.356 \cdot 10^{-9}$	0
$W^+W^- \to Ht\bar{t}$	$-1.029 \cdot 10^{-7}$	$-1.029 \cdot 10^{-7}$	0	$3.229 \cdot 10^{-6}$	$3.229 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	6.457	6.457	0	0.229	0.229	0
$\mu^+\mu^- \to \tau^+\tau^-$	$2.376 \cdot 10^{-12}$	$2.376 \cdot 10^{-12}$	0	$1.455 \cdot 10^{-13}$	$1.455 \cdot 10^{-13}$	0
$b\bar{b} \to \mu^+\mu^-$	$4.424 \cdot 10^{-12}$	$4.424 \cdot 10^{-12}$	0	$2.684 \cdot 10^{-13}$	$2.684 \cdot 10^{-13}$	0
$b\bar{b} \to b\bar{b}$	-0.0001058	-0.0001058	0	$2.821 \cdot 10^{-9}$	$2.821 \cdot 10^{-9}$	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	$2.588 \cdot 10^{-14}$	$2.588 \cdot 10^{-14}$	0	$1.573 \cdot 10^{-15}$	$1.573 \cdot 10^{-15}$	0
$b\bar{b} \to t\bar{t}$	$2.054 \cdot 10^{-5}$	$2.054 \cdot 10^{-5}$	0	$1.896 \cdot 10^{-6}$	$1.896 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	$5.518 \cdot 10^{-15}$	$5.518 \cdot 10^{-15}$	0	$3.365 \cdot 10^{-16}$	$3.365 \cdot 10^{-16}$	0
$c\bar{c} \to \mu^+\mu^-$	$4.147 \cdot 10^{-13}$	$4.147 \cdot 10^{-13}$	0	$2.478 \cdot 10^{-14}$	$2.478 \cdot 10^{-14}$	0
$d\bar{d} \to c\bar{c}$	$2.395 \cdot 10^{-15}$	$2.395 \cdot 10^{-15}$	0	$1.452 \cdot 10^{-16}$	$1.452 \cdot 10^{-16}$	0
$d\bar{d} \to e^+e^-$	$1.287 \cdot 10^{-22}$	$1.287 \cdot 10^{-22}$	0	$7.836 \cdot 10^{-24}$	$7.836 \cdot 10^{-24}$	0
$e^+\tau^- \to e^+\tau^-$	$1.024 \cdot 10^{-15}$	$1.024 \cdot 10^{-15}$	0	$1.763 \cdot 10^{-18}$	$1.763 \cdot 10^{-18}$	0
$e^+e^- \to \mu^+\mu^-$	$2.015 \cdot 10^{-19}$	$2.015 \cdot 10^{-19}$	0	$1.203 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0
$e^+e^- \to e^+e^-$	$-2.202 \cdot 10^{-13}$	$-2.202 \cdot 10^{-13}$	0	$7.944 \cdot 10^{-25}$	$7.944 \cdot 10^{-25}$	0
$s\bar{s} \to s\bar{s}$	$-5.13 \cdot 10^{-8}$	$-5.13 \cdot 10^{-8}$	0	$6.921 \cdot 10^{-16}$	$6.921 \cdot 10^{-16}$	0
$t\bar{t} \to \tau^+\tau^-$	$1.992 \cdot 10^{-6}$	$1.992 \cdot 10^{-6}$	0	$1.221 \cdot 10^{-7}$	$1.221 \cdot 10^{-7}$	0
$t\bar{t} \to c\bar{c}$	$3.058 \cdot 10^{-6}$	$3.058 \cdot 10^{-6}$	0	$1.87 \cdot 10^{-7}$	$1.87 \cdot 10^{-7}$	0
$t\bar{t} \to d\bar{d}$	$4.181 \cdot 10^{-11}$	$4.181 \cdot 10^{-11}$	0	$2.529 \cdot 10^{-12}$	$2.529 \cdot 10^{-12}$	0
$t\bar{t} \to s\bar{s}$	$1.648 \cdot 10^{-8}$	$1.648 \cdot 10^{-8}$	0	$1.003 \cdot 10^{-9}$	$1.003 \cdot 10^{-9}$	0
$t\bar{t} \to t\bar{t}$	-0.371	-0.371	0	0.01033	0.01033	0
$u\bar{d} \to u\bar{d}$	$3.78 \cdot 10^{-21}$	$3.78 \cdot 10^{-21}$	0	$3.833 \cdot 10^{-22}$	$3.833 \cdot 10^{-22}$	0
$u\bar{u} \to u\bar{u}$	$-2.508 \cdot 10^{-11}$	$-2.508 \cdot 10^{-11}$	0	$2.028 \cdot 10^{-22}$	$2.028 \cdot 10^{-22}$	0
$zz \to W^+W^-$	7.378	7.378	0	0.4473	0.4473	0
$zz \to zz$	0.01973	0.01973	0	0.001196	0.001196	0

2.9   cHd

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-1.824 \cdot 10^{-7}$	$-1.824 \cdot 10^{-7}$	0	$2.704 \cdot 10^{-7}$	$2.704 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$-1.345 \cdot 10^{-6}$	$-1.345 \cdot 10^{-6}$	0	$2.122 \cdot 10^{-5}$	$2.122 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	-0.04158	-0.04158	0	1.051	1.051	0
$Hz \to s\bar{s}$	-0.04103	-0.04103	0	1.007	1.007	0
$W^+W^- \to Hb\bar{b}$	$-2.658 \cdot 10^{-8}$	$-2.658 \cdot 10^{-8}$	0	$5.618 \cdot 10^{-8}$	$5.618 \cdot 10^{-8}$	0

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$W^+W^- \to Hd\bar{d}$	$-3.65 \cdot 10^{-8}$	$-3.65 \cdot 10^{-8}$	0	$4.56 \cdot 10^{-7}$	$4.56 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	$-1.065 \cdot 10^{-6}$	$-1.065 \cdot 10^{-6}$	0	$3.133 \cdot 10^{-6}$	$3.133 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-1.415 \cdot 10^{-5}$	$-1.415 \cdot 10^{-5}$	0	$2.889 \cdot 10^{-6}$	$2.889 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	0.001376	0.001376	0	0.000323	0.000323	0
$b\bar{b} \to d\bar{d}$	-0.0001017	-0.0001017	0	$4.964 \cdot 10^{-5}$	$4.964 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	$-5.361 \cdot 10^{-6}$	$-5.361 \cdot 10^{-6}$	0	$1.149 \cdot 10^{-5}$	$1.149 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	-0.0001082	-0.0001082	0	$5.363 \cdot 10^{-6}$	$5.363 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$-1.805 \cdot 10^{-5}$	$-1.805 \cdot 10^{-5}$	0	$9.744 \cdot 10^{-6}$	$9.744 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$2.988 \cdot 10^{-5}$	$2.988 \cdot 10^{-5}$	0	$4.393 \cdot 10^{-6}$	$4.393 \cdot 10^{-6}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-3.193 \cdot 10^{-5}$	$-3.193 \cdot 10^{-5}$	0	$6.514 \cdot 10^{-6}$	$6.514 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	0.001023	0.001023	0	0.0003022	0.0003022	0
$t\bar{t} \to d\bar{d}$	$2.427 \cdot 10^{-5}$	$2.427 \cdot 10^{-5}$	0	$1.51 \cdot 10^{-5}$	$1.51 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	$-6.795 \cdot 10^{-5}$	$-6.795 \cdot 10^{-5}$	0	$5.103 \cdot 10^{-6}$	$5.103 \cdot 10^{-6}$	0
$u\bar{d} \to u\bar{d}$	0.0001882	0.0001882	0	0.000131	0.000131	0

2.10   cHe

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HH \to ze^+e^-$	$-7.555 \cdot 10^{-8}$	$-7.555 \cdot 10^{-8}$	0	$8.932 \cdot 10^{-8}$	$8.932 \cdot 10^{-8}$	0
$Hz \to \mu^+\mu^-$	-0.01694	-0.01694	0	0.1385	0.1385	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.001572	-0.001572	0	$4.837 \cdot 10^{-5}$	$4.837 \cdot 10^{-5}$	0
$b\bar{b} \to \mu^+\mu^-$	$-9.295 \cdot 10^{-5}$	$-9.295 \cdot 10^{-5}$	0	$1.593 \cdot 10^{-5}$	$1.593 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	$3.717 \cdot 10^{-5}$	$3.717 \cdot 10^{-5}$	0	$6.766 \cdot 10^{-6}$	$6.766 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$-2.754 \cdot 10^{-5}$	$-2.754 \cdot 10^{-5}$	0	$6.59 \cdot 10^{-7}$	$6.59 \cdot 10^{-7}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.001236	-0.001236	0	$8.404 \cdot 10^{-5}$	$8.404 \cdot 10^{-5}$	0
$e^+\nu_e \to e^+\nu_e$	-0.001705	-0.001705	0	0.0001159	0.0001159	0
$e^+\tau^- \to e^+\tau^-$	0.0007989	0.0007989	0	0.001559	0.001559	0
$e^+e^- \to \mu^+\mu^-$	-0.0003631	-0.0003631	0	$2.595 \cdot 10^{-5}$	$2.595 \cdot 10^{-5}$	0

	interference			square		
$e^+e^- \to e^+e^-$	0.01049	0.01049	0	0.001775	0.001775	0
$t\bar{t} \to \tau^+\tau^-$	$-5.466 \cdot 10^{-5}$	$-5.466 \cdot 10^{-5}$	0	$1.933 \cdot 10^{-6}$	$1.933 \cdot 10^{-6}$	0

2.11 cHl1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\nu_e\bar{\nu}_e$	$-9.979 \cdot 10^{-7}$	$-9.979 \cdot 10^{-7}$	0	$1.495 \cdot 10^{-6}$	$1.495 \cdot 10^{-6}$	0
$HH \to ze^+e^-$	$9.557 \cdot 10^{-7}$	$9.557 \cdot 10^{-7}$	0	$3.015 \cdot 10^{-6}$	$3.015 \cdot 10^{-6}$	0
$Hz \to \mu^+\mu^-$	0.05253	0.05253	0	0.3455	0.3455	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	-0.007619	-0.007619	0	0.02778	0.02778	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.0002858	-0.0002858	0	$2.121 \cdot 10^{-5}$	$2.121 \cdot 10^{-5}$	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	-0.1443	-0.1443	0	0.008745	0.008745	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	-0.003311	-0.003311	0	0.0002007	0.0002007	0
$b\bar{b} \to \mu^+\mu^-$	$8.695 \cdot 10^{-5}$	$8.695 \cdot 10^{-5}$	0	$3.549 \cdot 10^{-6}$	$3.549 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	-0.0002381	-0.0002381	0	$7.218 \cdot 10^{-6}$	$7.218 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^+\mu^-$	$-6.285 \cdot 10^{-5}$	$-6.285 \cdot 10^{-5}$	0	$1.955 \cdot 10^{-6}$	$1.955 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$1.782 \cdot 10^{-5}$	$1.782 \cdot 10^{-5}$	0	$1.306 \cdot 10^{-6}$	$1.306 \cdot 10^{-6}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.001775	-0.001775	0	0.0001822	0.0001822	0
$e^+\nu_e \to e^+\nu_e$	0.006171	0.006171	0	0.001068	0.001068	0
$e^+\tau^- \to e^+\tau^-$	0.561	0.561	0	0.04076	0.04076	0
$e^+e^- \to \mu^+\mu^-$	0.001735	0.001735	0	$6.033 \cdot 10^{-5}$	$6.033 \cdot 10^{-5}$	0
$e^+e^- \to e^+e^-$	-0.003889	-0.003889	0	0.0003928	0.0003928	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	-0.00013	-0.00013	0	$3.942 \cdot 10^{-6}$	$3.942 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-5.186 \cdot 10^{-5}$	$-5.186 \cdot 10^{-5}$	0	$1.572 \cdot 10^{-6}$	$1.572 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	0.0003218	0.0003218	0	$7.967 \cdot 10^{-6}$	$7.967 \cdot 10^{-6}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-8.212 \cdot 10^{-5}$	$-8.212 \cdot 10^{-5}$	0	$2.489 \cdot 10^{-6}$	$2.489 \cdot 10^{-6}$	0

2.12 cHl3

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to HH$	-0.01609	-0.01609	0	0.0009756	0.0009756	0
$HH \to HHH$	$-1.164 \cdot 10^{-7}$	$-1.164 \cdot 10^{-7}$	0	$1.059 \cdot 10^{-8}$	$1.059 \cdot 10^{-8}$	0
$HH \to H\tau^+\tau^-$	$-2.617 \cdot 10^{-11}$	$-2.617 \cdot 10^{-11}$	0	$2.38 \cdot 10^{-12}$	$2.38 \cdot 10^{-12}$	0
$HH \to Hb\bar{b}$	$-1.964 \cdot 10^{-10}$	$-1.964 \cdot 10^{-10}$	0	$1.786 \cdot 10^{-11}$	$1.786 \cdot 10^{-11}$	0
$HH \to Hs\bar{s}$	$-3.211 \cdot 10^{-13}$	$-3.211 \cdot 10^{-13}$	0	$2.92 \cdot 10^{-14}$	$2.92 \cdot 10^{-14}$	0
$HH \to Ht\bar{t}$	$-1.528 \cdot 10^{-5}$	$-1.528 \cdot 10^{-5}$	0	$1.39 \cdot 10^{-6}$	$1.39 \cdot 10^{-6}$	0
$HH \to Hu\bar{u}$	$-1.064 \cdot 10^{-16}$	$-1.064 \cdot 10^{-16}$	0	$9.678 \cdot 10^{-18}$	$9.678 \cdot 10^{-18}$	0
$HH \to Hzz$	$-3.124 \cdot 10^{-6}$	$-3.124 \cdot 10^{-6}$	0	$2.841 \cdot 10^{-7}$	$2.841 \cdot 10^{-7}$	0
$HH \to W^+W^-$	-10.36	-10.36	0	0.6281	0.6281	0
$HH \to W^+W^-\gamma$	$-2.473 \cdot 10^{-7}$	$-2.473 \cdot 10^{-7}$	0	$2.249 \cdot 10^{-8}$	$2.249 \cdot 10^{-8}$	0
$HH \to W^+\bar{t}b$	$-3.401 \cdot 10^{-6}$	$-3.401 \cdot 10^{-6}$	0	$3.093 \cdot 10^{-7}$	$3.093 \cdot 10^{-7}$	0
$HH \to W^+e^-\bar{\nu}_e$	$2.659 \cdot 10^{-7}$	$2.659 \cdot 10^{-7}$	0	$4.943 \cdot 10^{-8}$	$4.943 \cdot 10^{-8}$	0
$HH \to W^-u\bar{d}$	$-4.673 \cdot 10^{-7}$	$-4.673 \cdot 10^{-7}$	0	$4.249 \cdot 10^{-8}$	$4.249 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$-1.034 \cdot 10^{-7}$	$-1.034 \cdot 10^{-7}$	0	$9.399 \cdot 10^{-9}$	$9.399 \cdot 10^{-9}$	0
$HH \to z\nu_e\bar{\nu}_e$	$2.088 \cdot 10^{-6}$	$2.088 \cdot 10^{-6}$	0	$3.552 \cdot 10^{-6}$	$3.552 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$-1.059 \cdot 10^{-6}$	$-1.059 \cdot 10^{-6}$	0	$9.63 \cdot 10^{-8}$	$9.63 \cdot 10^{-8}$	0
$HH \to zd\bar{d}$	$-1.294 \cdot 10^{-7}$	$-1.294 \cdot 10^{-7}$	0	$1.176 \cdot 10^{-8}$	$1.176 \cdot 10^{-8}$	0
$HH \to ze^+e^-$	$7.923 \cdot 10^{-8}$	$7.923 \cdot 10^{-8}$	0	$7.365 \cdot 10^{-8}$	$7.365 \cdot 10^{-8}$	0
$HH \to zt\bar{t}$	$-7.384 \cdot 10^{-7}$	$-7.384 \cdot 10^{-7}$	0	$6.715 \cdot 10^{-8}$	$6.715 \cdot 10^{-8}$	0
$HH \to zz$	-0.1349	-0.1349	0	0.00818	0.00818	0
$HW^+ \to \gamma t\bar{b}$	$-6.314 \cdot 10^{-7}$	$-6.314 \cdot 10^{-7}$	0	$5.742 \cdot 10^{-8}$	$5.742 \cdot 10^{-8}$	0
$HW^+ \to \gamma u\bar{d}$	$-4.835 \cdot 10^{-8}$	$-4.835 \cdot 10^{-8}$	0	$4.396 \cdot 10^{-9}$	$4.396 \cdot 10^{-9}$	0
$HW^+ \to u\bar{d}$	-0.005197	-0.005197	0	0.0003151	0.0003151	0
$HW^- \to \bar{t}b$	-0.049	-0.049	0	0.002971	0.002971	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$2.118 \cdot 10^{-7}$	$2.118 \cdot 10^{-7}$	0	$7.011 \cdot 10^{-7}$	$7.011 \cdot 10^{-7}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0.135	0.135	0	0.6249	0.6249	0

$H\gamma \to b\bar{b}$	$-2.802 \cdot 10^{-5}$	$-2.802 \cdot 10^{-5}$	0	$1.699 \cdot 10^{-6}$	$1.699 \cdot 10^{-6}$	0
$H\gamma \to c\bar{c}$	$-1 \cdot 10^{-5}$	$-1 \cdot 10^{-5}$	0	$6.064 \cdot 10^{-7}$	$6.064 \cdot 10^{-7}$	0
$H\gamma \to d\bar{d}$	$-2.693 \cdot 10^{-11}$	$-2.693 \cdot 10^{-11}$	0	$1.633 \cdot 10^{-12}$	$1.633 \cdot 10^{-12}$	0
$H\gamma \to e^+e^-$	$-2.569 \cdot 10^{-12}$	$-2.569 \cdot 10^{-12}$	0	$1.557 \cdot 10^{-13}$	$1.557 \cdot 10^{-13}$	0
$H\gamma \to t\bar{t}$	-0.1013	-0.1013	0	0.006139	0.006139	0
$Hz \to \mu^+\mu^-$	0.02074	0.02074	0	0.136	0.136	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.04912	0.04912	0	0.1761	0.1761	0
$Hz \to b\bar{b}$	-0.00354	-0.00354	0	0.0002146	0.0002146	0
$Hz \to s\bar{s}$	-0.00251	-0.00251	0	0.0001521	0.0001521	0
$Hz \to t\bar{t}$	-1.616	-1.616	0	0.098	0.098	0
$Hz \to u\bar{u}$	-0.001339	-0.001339	0	$8.117 \cdot 10^{-5}$	$8.117 \cdot 10^{-5}$	0
$W^+W^- \to Hb\bar{b}$	$-2.143 \cdot 10^{-5}$	$-2.143 \cdot 10^{-5}$	0	$1.949 \cdot 10^{-6}$	$1.949 \cdot 10^{-6}$	0
$W^+W^- \to Hc\bar{c}$	$-2.43 \cdot 10^{-5}$	$-2.43 \cdot 10^{-5}$	0	$2.21 \cdot 10^{-6}$	$2.21 \cdot 10^{-6}$	0
$W^+W^- \to Hd\bar{d}$	$-6.428 \cdot 10^{-7}$	$-6.428 \cdot 10^{-7}$	0	$5.845 \cdot 10^{-8}$	$5.845 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$-1.282 \cdot 10^{-5}$	$-1.282 \cdot 10^{-5}$	0	$1.166 \cdot 10^{-6}$	$1.166 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	-1.257	-1.257	0	0.07623	0.07623	0
$W^+W^- \to \gamma\gamma$	-0.1709	-0.1709	0	0.01036	0.01036	0
$W^+W^- \to \gamma\gamma\gamma$	$-2.553 \cdot 10^{-7}$	$-2.553 \cdot 10^{-7}$	0	$2.321 \cdot 10^{-8}$	$2.321 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	-0.01095	-0.01095	0	0.000664	0.000664	0
$\gamma W^+ \to zW^+$	-0.02562	-0.02562	0	0.001553	0.001553	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.004898	-0.004898	0	0.0002383	0.0002383	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	$1.114 \cdot 10^{-19}$	$1.114 \cdot 10^{-19}$	0	$7.523 \cdot 10^{-37}$	$7.523 \cdot 10^{-37}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.862 \cdot 10^{-22}$	$1.862 \cdot 10^{-22}$	0	$9.184 \cdot 10^{-40}$	$9.184 \cdot 10^{-40}$	0
$b\bar{b} \to \gamma\gamma$	-0.0001082	-0.0001082	0	$6.557 \cdot 10^{-6}$	$6.557 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$-8.027 \cdot 10^{-5}$	$-8.027 \cdot 10^{-5}$	0	$6.298 \cdot 10^{-6}$	$6.298 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-1.692 \cdot 10^{-5}$	$-1.692 \cdot 10^{-5}$	0	$5.129 \cdot 10^{-7}$	$5.129 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	-1.012	-1.012	0	0.1349	0.1349	0
$b\bar{b} \to d\bar{d}$	-0.002512	-0.002512	0	0.0001523	0.0001523	0
$b\bar{b} \to t\bar{t}$	-0.08482	-0.08482	0	0.01162	0.01162	0

$b\bar{b} \to u\bar{u}$	-0.0006111	-0.0006111	0	$3.705 \cdot 10^{-5}$	$3.705 \cdot 10^{-5}$	0
$b\bar{t} \to e^{-}\bar{\nu}_e$	-0.001584	-0.001584	0	$4.802 \cdot 10^{-5}$	$4.802 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^{+}\mu^{-}$	-0.0002035	-0.0002035	0	$1.491 \cdot 10^{-5}$	$1.491 \cdot 10^{-5}$	0
$c\bar{s} \to \tau^{+}\nu_\tau$	$-4.077 \cdot 10^{-5}$	$-4.077 \cdot 10^{-5}$	0	$1.236 \cdot 10^{-6}$	$1.236 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	-0.0009112	-0.0009112	0	$5.524 \cdot 10^{-5}$	$5.524 \cdot 10^{-5}$	0
$d\bar{d} \to e^{+}e^{-}$	-0.0003335	-0.0003335	0	$1.182 \cdot 10^{-5}$	$1.182 \cdot 10^{-5}$	0
$e^{+}\nu_\mu \to e^{+}\nu_\mu$	-0.0005438	-0.0005438	0	$1.687 \cdot 10^{-5}$	$1.687 \cdot 10^{-5}$	0
$e^{+}\nu_e \to \mu^{+}\nu_\mu$	$5.054 \cdot 10^{-22}$	$5.054 \cdot 10^{-22}$	0	$2.939 \cdot 10^{-39}$	$2.939 \cdot 10^{-39}$	0
$e^{+}\nu_e \to e^{+}\nu_e$	-0.0005924	-0.0005924	0	$2.431 \cdot 10^{-5}$	$2.431 \cdot 10^{-5}$	0
$e^{+}\tau^{-} \to e^{+}\tau^{-}$	-0.1377	-0.1377	0	0.00918	0.00918	0
$e^{+}e^{-} \to \mu^{+}\mu^{-}$	-0.002311	-0.002311	0	0.0001343	0.0001343	0
$e^{+}e^{-} \to e^{+}e^{-}$	-0.154	-0.154	0	0.01079	0.01079	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	-0.0003238	-0.0003238	0	$9.816 \cdot 10^{-6}$	$9.816 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	0.001003	0.001003	0	$1.008 \cdot 10^{-5}$	$1.008 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	-0.0002919	-0.0002919	0	$8.849 \cdot 10^{-6}$	$8.849 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^{+}\tau^{-}$	-0.0006703	-0.0006703	0	$3.255 \cdot 10^{-5}$	$3.255 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	-0.0001311	-0.0001311	0	$7.949 \cdot 10^{-6}$	$7.949 \cdot 10^{-6}$	0
$t\bar{t} \to d\bar{d}$	$-5.209 \cdot 10^{-5}$	$-5.209 \cdot 10^{-5}$	0	$3.158 \cdot 10^{-6}$	$3.158 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	$-6.528 \cdot 10^{-5}$	$-6.528 \cdot 10^{-5}$	0	$3.957 \cdot 10^{-6}$	$3.957 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	0.423	0.423	0	0.01669	0.01669	0
$u\bar{d} \to \mu^{+}\nu_\mu$	$-9.113 \cdot 10^{-5}$	$-9.113 \cdot 10^{-5}$	0	$2.762 \cdot 10^{-6}$	$2.762 \cdot 10^{-6}$	0
$u\bar{d} \to c\bar{s}$	-0.0002529	-0.0002529	0	$1.533 \cdot 10^{-5}$	$1.533 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	0.003889	0.003889	0	0.0001957	0.0001957	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-6.313 \cdot 10^{-5}$	$-6.313 \cdot 10^{-5}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0
$u\bar{u} \to u\bar{u}$	0.09693	0.09693	0	0.002257	0.002257	0
$zz \to W^{+}W^{-}$	-268.1	-268.1	0	16.25	16.25	0
$zz \to zz$	-0.01835	-0.01835	0	0.001112	0.001112	0

2.13 cHq1

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
$HH \to z\bar{b}b$	$9.653 \cdot 10^{-7}$	$9.653 \cdot 10^{-7}$	0	$2.688 \cdot 10^{-7}$	$2.688 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$-1.609 \cdot 10^{-5}$	$-1.609 \cdot 10^{-5}$	0	$6.557 \cdot 10^{-5}$	$6.557 \cdot 10^{-5}$	0
$HH \to zd\bar{d}$	$7.705 \cdot 10^{-6}$	$7.705 \cdot 10^{-6}$	0	$2.122 \cdot 10^{-5}$	$2.122 \cdot 10^{-5}$	0
$HH \to zt\bar{t}$	0.0001071	0.0001071	0	$3.343 \cdot 10^{-5}$	$3.343 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	0.2442	0.2442	0	1.051	1.051	0
$Hz \to s\bar{s}$	0.2352	0.2352	0	1.007	1.007	0
$Hz \to t\bar{t}$	2.084	2.084	0	1.426	1.426	0
$Hz \to u\bar{u}$	-0.08378	-0.08378	0	0.4345	0.4345	0
$W^{+}W^{-} \to Hb\bar{b}$	$7.569 \cdot 10^{-7}$	$7.569 \cdot 10^{-7}$	0	$5.614 \cdot 10^{-8}$	$5.614 \cdot 10^{-8}$	0
$W^{+}W^{-} \to Hc\bar{c}$	$-2.65 \cdot 10^{-8}$	$-2.65 \cdot 10^{-8}$	0	$2.458 \cdot 10^{-7}$	$2.458 \cdot 10^{-7}$	0
$W^{+}W^{-} \to Hd\bar{d}$	$3.693 \cdot 10^{-7}$	$3.693 \cdot 10^{-7}$	0	$4.547 \cdot 10^{-7}$	$4.547 \cdot 10^{-7}$	0
$W^{+}W^{-} \to Ht\bar{t}$	$1.03 \cdot 10^{-6}$	$1.03 \cdot 10^{-6}$	0	$1.074 \cdot 10^{-6}$	$1.074 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^{+}\mu^{-}$	$7.583 \cdot 10^{-5}$	$7.583 \cdot 10^{-5}$	0	$2.862 \cdot 10^{-6}$	$2.862 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.0002772	0.0002772	0	$9.869 \cdot 10^{-6}$	$9.869 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	-0.009492	-0.009492	0	0.000104	0.000104	0
$b\bar{b} \to d\bar{d}$	0.0003135	0.0003135	0	$2.062 \cdot 10^{-5}$	$2.062 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.0006197	-0.0006197	0	$2.865 \cdot 10^{-6}$	$2.865 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	-0.0002073	-0.0002073	0	$1.331 \cdot 10^{-6}$	$1.331 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^{+}\mu^{-}$	$4.65 \cdot 10^{-5}$	$4.65 \cdot 10^{-5}$	0	$4.38 \cdot 10^{-6}$	$4.38 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$-4.94 \cdot 10^{-5}$	$-4.94 \cdot 10^{-5}$	0	$2.221 \cdot 10^{-6}$	$2.221 \cdot 10^{-6}$	0
$d\bar{d} \to e^{+}e^{-}$	$4.752 \cdot 10^{-5}$	$4.752 \cdot 10^{-5}$	0	$3.09 \cdot 10^{-6}$	$3.09 \cdot 10^{-6}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0.0001472	0.0001472	0	$5.239 \cdot 10^{-6}$	$5.239 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	-0.00795	-0.00795	0	$8.652 \cdot 10^{-5}$	$8.652 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-8.74 \cdot 10^{-6}$	$-8.74 \cdot 10^{-6}$	0	$6.727 \cdot 10^{-7}$	$6.727 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^{+}\tau^{-}$	-0.0002527	-0.0002527	0	$5.271 \cdot 10^{-6}$	$5.271 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	$5.359 \cdot 10^{-5}$	$5.359 \cdot 10^{-5}$	0	$1.123 \cdot 10^{-5}$	$1.123 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	$-1.046 \cdot 10^{-5}$	$-1.046 \cdot 10^{-5}$	0	$3.777 \cdot 10^{-6}$	$3.777 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to s\bar{s}$	-0.0001626	-0.0001626	0	$1.62 \cdot 10^{-6}$	$1.62 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	0.4753	0.4753	0	0.0137	0.0137	0
$u\bar{d} \to u\bar{d}$	$2.098 \cdot 10^{-6}$	$2.098 \cdot 10^{-6}$	0	$2.94 \cdot 10^{-5}$	$2.94 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-7.992 \cdot 10^{-5}$	$-7.992 \cdot 10^{-5}$	0	$3.447 \cdot 10^{-6}$	$3.447 \cdot 10^{-6}$	0
$u\bar{u} \to u\bar{u}$	0.0009258	0.0009258	0	$2.976 \cdot 10^{-5}$	$2.976 \cdot 10^{-5}$	0

2.14   cHq3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-1.229 \cdot 10^{-5}$	$-1.229 \cdot 10^{-5}$	0	$4.335 \cdot 10^{-5}$	$4.335 \cdot 10^{-5}$	0
$HH \to W^-u\bar{d}$	$1.267 \cdot 10^{-5}$	$1.267 \cdot 10^{-5}$	0	$3.122 \cdot 10^{-5}$	$3.122 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$9.36 \cdot 10^{-7}$	$9.36 \cdot 10^{-7}$	0	$8.364 \cdot 10^{-7}$	$8.364 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$2.71 \cdot 10^{-5}$	$2.71 \cdot 10^{-5}$	0	$7.43 \cdot 10^{-5}$	$7.43 \cdot 10^{-5}$	0
$HH \to zd\bar{d}$	$2.704 \cdot 10^{-6}$	$2.704 \cdot 10^{-6}$	0	$5.297 \cdot 10^{-6}$	$5.297 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$-4.955 \cdot 10^{-6}$	$-4.955 \cdot 10^{-6}$	0	$1.505 \cdot 10^{-5}$	$1.505 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$-1.064 \cdot 10^{-6}$	$-1.064 \cdot 10^{-6}$	0	$5.19 \cdot 10^{-7}$	$5.19 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$1.679 \cdot 10^{-7}$	$1.679 \cdot 10^{-7}$	0	$5.887 \cdot 10^{-8}$	$5.887 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	0.4021	0.4021	0	1.886	1.886	0
$HW^- \to \bar{t}b$	-0.8069	-0.8069	0	1.54	1.54	0
$Hz \to b\bar{b}$	0.2428	0.2428	0	1.045	1.045	0
$Hz \to s\bar{s}$	0.172	0.172	0	0.7364	0.7364	0
$Hz \to t\bar{t}$	-1.826	-1.826	0	0.4383	0.4383	0
$Hz \to u\bar{u}$	0.09718	0.09718	0	0.504	0.504	0
$W^+W^- \to Hb\bar{b}$	$-1.368 \cdot 10^{-6}$	$-1.368 \cdot 10^{-6}$	0	$7.048 \cdot 10^{-7}$	$7.048 \cdot 10^{-7}$	0
$W^+W^- \to Hc\bar{c}$	-0.0004892	-0.0004892	0	0.001079	0.001079	0
$W^+W^- \to Hd\bar{d}$	$-8.67 \cdot 10^{-7}$	$-8.67 \cdot 10^{-7}$	0	$2.222 \cdot 10^{-6}$	$2.222 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$1.91 \cdot 10^{-5}$	$1.91 \cdot 10^{-5}$	0	$9.357 \cdot 10^{-6}$	$9.357 \cdot 10^{-6}$	0
$\bar{b}t \to \bar{d}u$	0.01095	0.01095	0	0.000664	0.000664	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	$4.894 \cdot 10^{-5}$	$4.894 \cdot 10^{-5}$	0	$4.374 \cdot 10^{-6}$	$4.374 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$1.957 \cdot 10^{-6}$	$1.957 \cdot 10^{-6}$	0	$6.974 \cdot 10^{-8}$	$6.974 \cdot 10^{-8}$	0
$b\bar{b} \to b\bar{b}$	1.134	1.134	0	0.1426	0.1426	0
$b\bar{b} \to d\bar{d}$	0.002629	0.002629	0	0.0001694	0.0001694	0
$b\bar{b} \to t\bar{t}$	0.08479	0.08479	0	0.01162	0.01162	0
$b\bar{b} \to u\bar{u}$	0.0005908	0.0005908	0	$3.835 \cdot 10^{-5}$	$3.835 \cdot 10^{-5}$	0
$b\bar{t} \to e^-\bar{\nu}_e$	0.001584	0.001584	0	$4.802 \cdot 10^{-5}$	$4.802 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	$-7.277 \cdot 10^{-6}$	$-7.277 \cdot 10^{-6}$	0	$3.095 \cdot 10^{-6}$	$3.095 \cdot 10^{-6}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$4.077 \cdot 10^{-5}$	$4.077 \cdot 10^{-5}$	0	$1.236 \cdot 10^{-6}$	$1.236 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	0.0008816	0.0008816	0	$5.614 \cdot 10^{-5}$	$5.614 \cdot 10^{-5}$	0
$d\bar{d} \to e^+e^-$	0.0002312	0.0002312	0	$5.594 \cdot 10^{-6}$	$5.594 \cdot 10^{-6}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0.0003792	0.0003792	0	$1.35 \cdot 10^{-5}$	$1.35 \cdot 10^{-5}$	0
$s\bar{s} \to s\bar{s}$	-0.0009091	-0.0009091	0	$1.447 \cdot 10^{-5}$	$1.447 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.0004202	0.0004202	0	$1.842 \cdot 10^{-5}$	$1.842 \cdot 10^{-5}$	0
$t\bar{t} \to \tau^+\tau^-$	0.000181	0.000181	0	$4.194 \cdot 10^{-6}$	$4.194 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	-0.0001309	-0.0001309	0	$1.067 \cdot 10^{-5}$	$1.067 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	$3.7 \cdot 10^{-5}$	$3.7 \cdot 10^{-5}$	0	$6.17 \cdot 10^{-6}$	$6.17 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	$4.993 \cdot 10^{-5}$	$4.993 \cdot 10^{-5}$	0	$6.729 \cdot 10^{-6}$	$6.729 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	-0.2164	-0.2164	0	0.009738	0.009738	0
$u\bar{d} \to \mu^+\nu_\mu$	$9.113 \cdot 10^{-5}$	$9.113 \cdot 10^{-5}$	0	$2.762 \cdot 10^{-6}$	$2.762 \cdot 10^{-6}$	0
$u\bar{d} \to c\bar{s}$	0.0002529	0.0002529	0	$1.533 \cdot 10^{-5}$	$1.533 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	-0.003927	-0.003927	0	0.0002069	0.0002069	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.053 \cdot 10^{-6}$	$1.053 \cdot 10^{-6}$	0	$4.541 \cdot 10^{-8}$	$4.541 \cdot 10^{-8}$	0
$u\bar{u} \to u\bar{u}$	-0.05643	-0.05643	0	0.001491	0.001491	0

2.15   cHu

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zc\bar{c}$	$6.798 \cdot 10^{-6}$	$6.798 \cdot 10^{-6}$	0	$6.559 \cdot 10^{-5}$	$6.559 \cdot 10^{-5}$	0

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$HH \to zt\bar{t}$	-0.0001085	-0.0001085	0	$3.342 \cdot 10^{-5}$	$3.342 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	-2.239	-2.239	0	1.426	1.426	0
$Hz \to u\bar{u}$	0.03542	0.03542	0	0.4345	0.4345	0
$W^+W^- \to Hc\bar{c}$	$3.216 \cdot 10^{-8}$	$3.216 \cdot 10^{-8}$	0	$2.459 \cdot 10^{-7}$	$2.459 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$-8.18 \cdot 10^{-7}$	$-8.18 \cdot 10^{-7}$	0	$1.069 \cdot 10^{-6}$	$1.069 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.001368	-0.001368	0	$1.64 \cdot 10^{-5}$	$1.64 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	$5.665 \cdot 10^{-5}$	$5.665 \cdot 10^{-5}$	0	$1.791 \cdot 10^{-6}$	$1.791 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^+\mu^-$	-0.0001179	-0.0001179	0	$6.767 \cdot 10^{-6}$	$6.767 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$6.427 \cdot 10^{-5}$	$6.427 \cdot 10^{-5}$	0	$1.227 \cdot 10^{-5}$	$1.227 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.0001539	0.0001539	0	$1.735 \cdot 10^{-5}$	$1.735 \cdot 10^{-5}$	0
$t\bar{t} \to \tau^+\tau^-$	0.0001304	0.0001304	0	$3.572 \cdot 10^{-6}$	$3.572 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	-0.0002803	-0.0002803	0	$5.247 \cdot 10^{-5}$	$5.247 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	$5.179 \cdot 10^{-5}$	$5.179 \cdot 10^{-5}$	0	$2.241 \cdot 10^{-5}$	$2.241 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	$9.842 \cdot 10^{-6}$	$9.842 \cdot 10^{-6}$	0	$4.228 \cdot 10^{-6}$	$4.228 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	-0.454	-0.454	0	0.01371	0.01371	0
$u\bar{d} \to u\bar{d}$	0.0007491	0.0007491	0	0.0001857	0.0001857	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$8.732 \cdot 10^{-5}$	$8.732 \cdot 10^{-5}$	0	$8.907 \cdot 10^{-6}$	$8.907 \cdot 10^{-6}$	0
$u\bar{u} \to u\bar{u}$	-0.0009572	-0.0009572	0	0.000143	0.000143	0

2.16 cHudRe

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$HH \to W^+\bar{t}b$	$1.353 \cdot 10^{-9}$	$1.353 \cdot 10^{-9}$	0	$3.469 \cdot 10^{-10}$	$3.469 \cdot 10^{-10}$	0
$HH \to W^-u\bar{d}$	$-1.352 \cdot 10^{-24}$	$-1.352 \cdot 10^{-24}$	0	$3.848 \cdot 10^{-26}$	$3.848 \cdot 10^{-26}$	0
$HW^+ \to \gamma t\bar{b}$	$-2.305 \cdot 10^{-11}$	$-2.305 \cdot 10^{-11}$	0	$5.254 \cdot 10^{-12}$	$5.254 \cdot 10^{-12}$	0
$HW^+ \to \gamma u\bar{d}$	$-2.8 \cdot 10^{-24}$	$-2.8 \cdot 10^{-24}$	0	$3.804 \cdot 10^{-26}$	$3.804 \cdot 10^{-26}$	0
$HW^+ \to u\bar{d}$	$-2.346 \cdot 10^{-19}$	$-2.346 \cdot 10^{-19}$	0	$4.917 \cdot 10^{-20}$	$4.917 \cdot 10^{-20}$	0
$HW^- \to \bar{t}b$	-0.001119	-0.001119	0	0.000269	0.000269	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$W^+W^- \to Hb\bar{b}$	$-5.406 \cdot 10^{-9}$	$-5.406 \cdot 10^{-9}$	0	$5.381 \cdot 10^{-10}$	$5.381 \cdot 10^{-10}$	0
$W^+W^- \to Hc\bar{c}$	$-4.478 \cdot 10^{-18}$	$-4.478 \cdot 10^{-18}$	0	$1.54 \cdot 10^{-24}$	$1.54 \cdot 10^{-24}$	0
$W^+W^- \to Hd\bar{d}$	$-8.431 \cdot 10^{-26}$	$-8.431 \cdot 10^{-26}$	0	$6.139 \cdot 10^{-36}$	$6.139 \cdot 10^{-36}$	0
$W^+W^- \to Ht\bar{t}$	$-6.416 \cdot 10^{-10}$	$-6.416 \cdot 10^{-10}$	0	$5.315 \cdot 10^{-13}$	$5.315 \cdot 10^{-13}$	0
$\bar{b}t \to \bar{d}u$	$-4.802 \cdot 10^{-8}$	$-4.802 \cdot 10^{-8}$	0	$1.015 \cdot 10^{-9}$	$1.015 \cdot 10^{-9}$	0
$b\bar{b} \to t\bar{t}$	$5.279 \cdot 10^{-6}$	$5.279 \cdot 10^{-6}$	0	$4.59 \cdot 10^{-7}$	$4.59 \cdot 10^{-7}$	0
$b\bar{b} \to u\bar{u}$	$\color{blue}{-5.515 \cdot 10^{-20}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{2.839 \cdot 10^{-27}}$	$\color{blue}{0}$	$\color{blue}{1}$
$b\bar{t} \to e^-\bar{\nu}_e$	$-1.601 \cdot 10^{-8}$	$-1.601 \cdot 10^{-8}$	0	$6.834 \cdot 10^{-9}$	$6.834 \cdot 10^{-9}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$-4.122 \cdot 10^{-16}$	$-4.122 \cdot 10^{-16}$	0	$6.846 \cdot 10^{-17}$	$6.846 \cdot 10^{-17}$	0
$d\bar{d} \to c\bar{c}$	$\color{blue}{-2.407 \cdot 10^{-17}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.99 \cdot 10^{-19}}$	$\color{blue}{0}$	$\color{blue}{1}$
$t\bar{t} \to d\bar{d}$	$\color{red}{-1.847 \cdot 10^{-15}}$	$\color{red}{0}$	$\color{red}{1}$	$\color{blue}{4.688 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$
$t\bar{t} \to s\bar{s}$	$\color{red}{6.571 \cdot 10^{-12}}$	$\color{red}{0}$	$\color{red}{1}$	$\color{red}{6.722 \cdot 10^{-14}}$	$\color{red}{0}$	$\color{red}{1}$
$u\bar{d} \to \mu^+\nu_\mu$	$-3.123 \cdot 10^{-24}$	$-3.123 \cdot 10^{-24}$	0	$1.072 \cdot 10^{-24}$	$1.072 \cdot 10^{-24}$	0
$u\bar{d} \to c\bar{s}$	$-1.285 \cdot 10^{-15}$	$-1.285 \cdot 10^{-15}$	0	$5.847 \cdot 10^{-16}$	$5.847 \cdot 10^{-16}$	0
$u\bar{d} \to u\bar{d}$	$-1.707 \cdot 10^{-20}$	$-1.707 \cdot 10^{-20}$	0	$2.466 \cdot 10^{-24}$	$2.466 \cdot 10^{-24}$	0

2.17 cW

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to W^+W^-\gamma$	$-7.376 \cdot 10^{-7}$	$-7.376 \cdot 10^{-7}$	0	$1.387 \cdot 10^{-6}$	$1.387 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$8.837 \cdot 10^{-7}$	$8.837 \cdot 10^{-7}$	0	$6.738 \cdot 10^{-7}$	$6.738 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$1.563 \cdot 10^{-7}$	$1.563 \cdot 10^{-7}$	0	$2.746 \cdot 10^{-7}$	$2.746 \cdot 10^{-7}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$1.342 \cdot 10^{-8}$	$1.342 \cdot 10^{-8}$	0	$2.398 \cdot 10^{-8}$	$2.398 \cdot 10^{-8}$	0
$W^+W^- \to Hb\bar{b}$	$-1.128 \cdot 10^{-5}$	$-1.128 \cdot 10^{-5}$	0	$1.381 \cdot 10^{-5}$	$1.381 \cdot 10^{-5}$	0
$W^+W^- \to Hc\bar{c}$	$-1.373 \cdot 10^{-6}$	$-1.373 \cdot 10^{-6}$	0	$9.961 \cdot 10^{-6}$	$9.961 \cdot 10^{-6}$	0
$W^+W^- \to Hd\bar{d}$	$-5.813 \cdot 10^{-7}$	$-5.813 \cdot 10^{-7}$	0	$1.146 \cdot 10^{-6}$	$1.146 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$3.056 \cdot 10^{-7}$	$3.056 \cdot 10^{-7}$	0	$4.747 \cdot 10^{-6}$	$4.747 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	0.1041	0.1041	0	2.108	2.108	0

$W^+W^- \to \gamma\gamma$	0.002092	0.002092	0	0.6378	0.6378	0
$W^+W^- \to \gamma\gamma\gamma$	$4.049 \cdot 10^{-8}$	$4.049 \cdot 10^{-8}$	0	$2.082 \cdot 10^{-6}$	$2.082 \cdot 10^{-6}$	0
$\gamma W^+ \to z W^+$	-0.00466	-0.00466	0	0.0696	0.0696	0
$zz \to W^+W^-$	-0.8573	-0.8573	0	11.35	11.35	0

2.18 cdBRe

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-9.477 \cdot 10^{-10}$	$-9.477 \cdot 10^{-10}$	0	$7.97 \cdot 10^{-11}$	$7.97 \cdot 10^{-11}$	0
$HH \to zd\bar{d}$	$-1.654 \cdot 10^{-15}$	$-1.654 \cdot 10^{-15}$	0	$3.723 \cdot 10^{-16}$	$3.723 \cdot 10^{-16}$	0
$HW^+ \to \gamma t\bar{b}$	$-2.087 \cdot 10^{-9}$	$-2.087 \cdot 10^{-9}$	0	$2.015 \cdot 10^{-9}$	$2.015 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$-1.656 \cdot 10^{-15}$	$-1.656 \cdot 10^{-15}$	0	$7.188 \cdot 10^{-16}$	$7.188 \cdot 10^{-16}$	0
$H\gamma \to b\bar{b}$	$-6.93 \cdot 10^{-8}$	$-6.93 \cdot 10^{-8}$	0	0.0008494	0.0008494	0
$H\gamma \to d\bar{d}$	$-8.45 \cdot 10^{-20}$	$-8.45 \cdot 10^{-20}$	0	$1.377 \cdot 10^{-9}$	$1.377 \cdot 10^{-9}$	0
$Hz \to b\bar{b}$	$-1.679 \cdot 10^{-5}$	$-1.679 \cdot 10^{-5}$	0	0.0002642	0.0002642	0
$Hz \to s\bar{s}$	$-8.321 \cdot 10^{-9}$	$-8.321 \cdot 10^{-9}$	0	$9.016 \cdot 10^{-8}$	$9.016 \cdot 10^{-8}$	0
$W^+W^- \to Hb\bar{b}$	$-8.709 \cdot 10^{-9}$	$-8.709 \cdot 10^{-9}$	0	$4.112 \cdot 10^{-11}$	$4.112 \cdot 10^{-11}$	0
$W^+W^- \to Hd\bar{d}$	$2.317 \cdot 10^{-16}$	$2.317 \cdot 10^{-16}$	0	$5.096 \cdot 10^{-18}$	$5.096 \cdot 10^{-18}$	0
$b\bar{b} \to \gamma\gamma$	$6.239 \cdot 10^{-7}$	$6.239 \cdot 10^{-7}$	0	$1.147 \cdot 10^{-6}$	$1.147 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$-1.239 \cdot 10^{-7}$	$-1.239 \cdot 10^{-7}$	0	$2.18 \cdot 10^{-7}$	$2.18 \cdot 10^{-7}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$1.068 \cdot 10^{-7}$	$1.068 \cdot 10^{-7}$	0	$7.472 \cdot 10^{-8}$	$7.472 \cdot 10^{-8}$	0
$b\bar{b} \to b\bar{b}$	-0.0004975	-0.0004975	0	0.0001271	0.0001271	0
$b\bar{b} \to d\bar{d}$	$-6.429 \cdot 10^{-7}$	$-6.429 \cdot 10^{-7}$	0	$1.938 \cdot 10^{-7}$	$1.938 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$8.758 \cdot 10^{-7}$	$8.758 \cdot 10^{-7}$	0	$1.558 \cdot 10^{-6}$	$1.558 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	$5.776 \cdot 10^{-7}$	$5.776 \cdot 10^{-7}$	0	$2.009 \cdot 10^{-6}$	$2.009 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$1.002 \cdot 10^{-12}$	$1.002 \cdot 10^{-12}$	0	$2.476 \cdot 10^{-12}$	$2.476 \cdot 10^{-12}$	0
$d\bar{d} \to e^+e^-$	$1.561 \cdot 10^{-12}$	$1.561 \cdot 10^{-12}$	0	$9.683 \cdot 10^{-13}$	$9.683 \cdot 10^{-13}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-3.433 \cdot 10^{-10}$	$-3.433 \cdot 10^{-10}$	0	$1.311 \cdot 10^{-10}$	$1.311 \cdot 10^{-10}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$s\bar{s} \to s\bar{s}$	$5.024 \cdot 10^{-9}$	$5.024 \cdot 10^{-9}$	0	$9.984 \cdot 10^{-10}$	$9.984 \cdot 10^{-10}$	0
$t\bar{t} \to d\bar{d}$	$1.087 \cdot 10^{-11}$	$1.087 \cdot 10^{-11}$	0	$7 \cdot 10^{-13}$	$7 \cdot 10^{-13}$	0
$t\bar{t} \to s\bar{s}$	$4.039 \cdot 10^{-9}$	$4.039 \cdot 10^{-9}$	0	$3.79 \cdot 10^{-10}$	$3.79 \cdot 10^{-10}$	0
$u\bar{d} \to u\bar{d}$	$-2.231 \cdot 10^{-12}$	$-2.231 \cdot 10^{-12}$	0	$5.742 \cdot 10^{-12}$	$5.742 \cdot 10^{-12}$	0

2.19 cdGRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.003657	-0.003657	0	0.006274	0.006274	0
$b\bar{b} \to d\bar{d}$	-0.000112	-0.000112	0	$7.429 \cdot 10^{-6}$	$7.429 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	$-6.674 \cdot 10^{-5}$	$-6.674 \cdot 10^{-5}$	0	$1.848 \cdot 10^{-5}$	$1.848 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	-0.000112	-0.000112	0	$2.287 \cdot 10^{-5}$	$2.287 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	0	$2.82 \cdot 10^{-11}$	$2.82 \cdot 10^{-11}$	0
$s\bar{s} \to s\bar{s}$	$-1.852 \cdot 10^{-7}$	$-1.852 \cdot 10^{-7}$	0	$1.962 \cdot 10^{-8}$	$1.962 \cdot 10^{-8}$	0
$t\bar{t} \to d\bar{d}$	$-1.567 \cdot 10^{-10}$	$-1.567 \cdot 10^{-10}$	0	$8.893 \cdot 10^{-12}$	$8.893 \cdot 10^{-12}$	0
$t\bar{t} \to s\bar{s}$	$-6.213 \cdot 10^{-8}$	$-6.213 \cdot 10^{-8}$	0	$4.681 \cdot 10^{-9}$	$4.681 \cdot 10^{-9}$	0
$u\bar{d} \to u\bar{d}$	$-1.472 \cdot 10^{-10}$	$-1.472 \cdot 10^{-10}$	0	$6.563 \cdot 10^{-11}$	$6.563 \cdot 10^{-11}$	0

2.20 cdHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hb\bar{b}$	$-1.097 \cdot 10^{-9}$	$-1.097 \cdot 10^{-9}$	0	$1.191 \cdot 10^{-9}$	$1.191 \cdot 10^{-9}$	0
$HH \to Hs\bar{s}$	$-1.012 \cdot 10^{-12}$	$-1.012 \cdot 10^{-12}$	0	$1.073 \cdot 10^{-12}$	$1.073 \cdot 10^{-12}$	0
$HH \to W^+\bar{t}b$	$-1.802 \cdot 10^{-9}$	$-1.802 \cdot 10^{-9}$	0	$6.73 \cdot 10^{-10}$	$6.73 \cdot 10^{-10}$	0
$HH \to W^-u\bar{d}$	$-1.69 \cdot 10^{-15}$	$-1.69 \cdot 10^{-15}$	0	$2 \cdot 10^{-15}$	$2 \cdot 10^{-15}$	0
$HH \to z\bar{b}b$	$1.075 \cdot 10^{-9}$	$1.075 \cdot 10^{-9}$	0	$3.968 \cdot 10^{-10}$	$3.968 \cdot 10^{-10}$	0
$HH \to zd\bar{d}$	$-2.305 \cdot 10^{-15}$	$-2.305 \cdot 10^{-15}$	0	$3.463 \cdot 10^{-15}$	$3.463 \cdot 10^{-15}$	0

	interference			square		
$HW^+ \to \gamma t\bar{b}$	$3.555 \cdot 10^{-11}$	$3.555 \cdot 10^{-11}$	0	$1.292 \cdot 10^{-12}$	$1.292 \cdot 10^{-12}$	0
$HW^+ \to \gamma u\bar{d}$	$-2.308 \cdot 10^{-15}$	$-2.308 \cdot 10^{-15}$	0	$9.084 \cdot 10^{-17}$	$9.084 \cdot 10^{-17}$	0
$HW^+ \to u\bar{d}$	$-2.548 \cdot 10^{-11}$	$-2.548 \cdot 10^{-11}$	0	$4.491 \cdot 10^{-11}$	$4.491 \cdot 10^{-11}$	0
$HW^- \to \bar{t}b$	$-5.722 \cdot 10^{-5}$	$-5.722 \cdot 10^{-5}$	0	$3.723 \cdot 10^{-5}$	$3.723 \cdot 10^{-5}$	0
$H\gamma \to b\bar{b}$	$-8.953 \cdot 10^{-6}$	$-8.953 \cdot 10^{-6}$	0	$2.714 \cdot 10^{-7}$	$2.714 \cdot 10^{-7}$	0
$H\gamma \to d\bar{d}$	$-1.867 \cdot 10^{-11}$	$-1.867 \cdot 10^{-11}$	0	$5.66 \cdot 10^{-13}$	$5.66 \cdot 10^{-13}$	0
$Hz \to b\bar{b}$	$5.125 \cdot 10^{-7}$	$5.125 \cdot 10^{-7}$	0	$3.523 \cdot 10^{-5}$	$3.523 \cdot 10^{-5}$	0
$Hz \to s\bar{s}$	$-3.947 \cdot 10^{-10}$	$-3.947 \cdot 10^{-10}$	0	$1.746 \cdot 10^{-8}$	$1.746 \cdot 10^{-8}$	0
$W^+W^- \to Hb\bar{b}$	$-1.881 \cdot 10^{-10}$	$-1.881 \cdot 10^{-10}$	0	$9.418 \cdot 10^{-12}$	$9.418 \cdot 10^{-12}$	0
$W^+W^- \to Hc\bar{c}$	$2.268 \cdot 10^{-14}$	$2.268 \cdot 10^{-14}$	0	$8.269 \cdot 10^{-22}$	$8.269 \cdot 10^{-22}$	0
$W^+W^- \to Hd\bar{d}$	$-4.954 \cdot 10^{-17}$	$-4.954 \cdot 10^{-17}$	0	$3.602 \cdot 10^{-17}$	$3.602 \cdot 10^{-17}$	0
$W^+W^- \to Ht\bar{t}$	$2.791 \cdot 10^{-10}$	$2.791 \cdot 10^{-10}$	0	$4.078 \cdot 10^{-14}$	$4.078 \cdot 10^{-14}$	0
$b\bar{b} \to \mu^+\mu^-$	$-2.212 \cdot 10^{-12}$	$-2.212 \cdot 10^{-12}$	0	$6.71 \cdot 10^{-14}$	$6.71 \cdot 10^{-14}$	0
$b\bar{b} \to b\bar{b}$	0.0001058	0.0001058	0	$2.821 \cdot 10^{-9}$	$2.821 \cdot 10^{-9}$	0
$b\bar{b} \to d\bar{d}$	$-2.588 \cdot 10^{-14}$	$-2.588 \cdot 10^{-14}$	0	$1.573 \cdot 10^{-15}$	$1.573 \cdot 10^{-15}$	0
$b\bar{b} \to t\bar{t}$	$-1.027 \cdot 10^{-5}$	$-1.027 \cdot 10^{-5}$	0	$4.739 \cdot 10^{-7}$	$4.739 \cdot 10^{-7}$	0
$b\bar{b} \to u\bar{u}$	$-2.759 \cdot 10^{-15}$	$-2.759 \cdot 10^{-15}$	0	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	0
$d\bar{d} \to c\bar{c}$	$-1.197 \cdot 10^{-15}$	$-1.197 \cdot 10^{-15}$	0	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	0
$d\bar{d} \to e^+e^-$	$-6.436 \cdot 10^{-23}$	$-6.436 \cdot 10^{-23}$	0	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	0
$s\bar{s} \to s\bar{s}$	$5.13 \cdot 10^{-8}$	$5.13 \cdot 10^{-8}$	0	$6.921 \cdot 10^{-16}$	$6.921 \cdot 10^{-16}$	0
$t\bar{t} \to d\bar{d}$	$-2.091 \cdot 10^{-11}$	$-2.091 \cdot 10^{-11}$	0	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	0
$t\bar{t} \to s\bar{s}$	$-8.238 \cdot 10^{-9}$	$-8.238 \cdot 10^{-9}$	0	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	0
$u\bar{d} \to u\bar{d}$	$-1.89 \cdot 10^{-21}$	$-1.89 \cdot 10^{-21}$	0	$9.582 \cdot 10^{-23}$	$9.582 \cdot 10^{-23}$	0

2.21 cdWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-1.423 \cdot 10^{-8}$	$-1.423 \cdot 10^{-8}$	0	$1.557 \cdot 10^{-8}$	$1.557 \cdot 10^{-8}$	0

$HH \to W^- u\bar{d}$	$2.306 \cdot 10^{-16}$	$2.306 \cdot 10^{-16}$	0	$3.843 \cdot 10^{-15}$	$3.843 \cdot 10^{-15}$	0
$HH \to z\bar{b}b$	$-1.77 \cdot 10^{-9}$	$-1.77 \cdot 10^{-9}$	0	$2.779 \cdot 10^{-10}$	$2.779 \cdot 10^{-10}$	0
$HH \to zd\bar{d}$	$-3.088 \cdot 10^{-15}$	$-3.088 \cdot 10^{-15}$	0	$1.298 \cdot 10^{-15}$	$1.298 \cdot 10^{-15}$	0
$HW^+ \to \gamma t\bar{b}$	$8.603 \cdot 10^{-10}$	$8.603 \cdot 10^{-10}$	0	$1.067 \cdot 10^{-9}$	$1.067 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$2.455 \cdot 10^{-15}$	$2.455 \cdot 10^{-15}$	0	$7.537 \cdot 10^{-16}$	$7.537 \cdot 10^{-16}$	0
$HW^+ \to u\bar{d}$	$-3.932 \cdot 10^{-11}$	$-3.932 \cdot 10^{-11}$	0	$1.335 \cdot 10^{-9}$	$1.335 \cdot 10^{-9}$	0
$HW^- \to \bar{t}b$	-0.0001749	-0.0001749	0	0.001154	0.001154	0
$H\gamma \to b\bar{b}$	$3.711 \cdot 10^{-8}$	$3.711 \cdot 10^{-8}$	0	0.0002436	0.0002436	0
$H\gamma \to d\bar{d}$	$4.525 \cdot 10^{-20}$	$4.525 \cdot 10^{-20}$	0	$3.948 \cdot 10^{-10}$	$3.948 \cdot 10^{-10}$	0
$Hz \to b\bar{b}$	$-3.135 \cdot 10^{-5}$	$-3.135 \cdot 10^{-5}$	0	0.0009212	0.0009212	0
$Hz \to s\bar{s}$	$-1.554 \cdot 10^{-8}$	$-1.554 \cdot 10^{-8}$	0	$3.144 \cdot 10^{-7}$	$3.144 \cdot 10^{-7}$	0
$W^+W^- \to Hb\bar{b}$	$-4.645 \cdot 10^{-8}$	$-4.645 \cdot 10^{-8}$	0	$1.542 \cdot 10^{-9}$	$1.542 \cdot 10^{-9}$	0
$W^+W^- \to Hc\bar{c}$	$-2.801 \cdot 10^{-11}$	$-2.801 \cdot 10^{-11}$	0	$8.348 \cdot 10^{-16}$	$8.348 \cdot 10^{-16}$	0
$W^+W^- \to Hd\bar{d}$	$2.709 \cdot 10^{-15}$	$2.709 \cdot 10^{-15}$	0	$3.285 \cdot 10^{-15}$	$3.285 \cdot 10^{-15}$	0
$W^+W^- \to Ht\bar{t}$	$-2.252 \cdot 10^{-9}$	$-2.252 \cdot 10^{-9}$	0	$5.647 \cdot 10^{-12}$	$5.647 \cdot 10^{-12}$	0
$\bar{b}t \to \bar{d}u$	$-9.763 \cdot 10^{-6}$	$-9.763 \cdot 10^{-6}$	0	$2.899 \cdot 10^{-7}$	$2.899 \cdot 10^{-7}$	0
$b\bar{b} \to \gamma\gamma$	$-3.341 \cdot 10^{-7}$	$-3.341 \cdot 10^{-7}$	0	$3.289 \cdot 10^{-7}$	$3.289 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	$-3.48 \cdot 10^{-7}$	$-3.48 \cdot 10^{-7}$	0	$1.533 \cdot 10^{-7}$	$1.533 \cdot 10^{-7}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$1.995 \cdot 10^{-7}$	$1.995 \cdot 10^{-7}$	0	$2.606 \cdot 10^{-7}$	$2.606 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	0.003329	0.003329	0	0.0006879	0.0006879	0
$b\bar{b} \to d\bar{d}$	$-4.614 \cdot 10^{-6}$	$-4.614 \cdot 10^{-6}$	0	$1.22 \cdot 10^{-6}$	$1.22 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.0001835	-0.0001835	0	0.0001534	0.0001534	0
$b\bar{b} \to u\bar{u}$	$-2.363 \cdot 10^{-6}$	$-2.363 \cdot 10^{-6}$	0	$3.746 \cdot 10^{-6}$	$3.746 \cdot 10^{-6}$	0
$b\bar{t} \to e^-\bar{\nu}_e$	$-3.035 \cdot 10^{-6}$	$-3.035 \cdot 10^{-6}$	0	$7.297 \cdot 10^{-7}$	$7.297 \cdot 10^{-7}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$-2.406 \cdot 10^{-10}$	$-2.406 \cdot 10^{-10}$	0	$6.282 \cdot 10^{-10}$	$6.282 \cdot 10^{-10}$	0
$d\bar{d} \to c\bar{c}$	$-3.541 \cdot 10^{-12}$	$-3.541 \cdot 10^{-12}$	0	$4.619 \cdot 10^{-12}$	$4.619 \cdot 10^{-12}$	0
$d\bar{d} \to e^+e^-$	$-1.665 \cdot 10^{-12}$	$-1.665 \cdot 10^{-12}$	0	$6.808 \cdot 10^{-13}$	$6.808 \cdot 10^{-13}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-6.41 \cdot 10^{-10}$	$-6.41 \cdot 10^{-10}$	0	$4.573 \cdot 10^{-10}$	$4.573 \cdot 10^{-10}$	0
$s\bar{s} \to s\bar{s}$	$-2.743 \cdot 10^{-8}$	$-2.743 \cdot 10^{-8}$	0	$6.263 \cdot 10^{-9}$	$6.263 \cdot 10^{-9}$	0

$t\bar{t} \to d\bar{d}$	$-1.32 \cdot 10^{-11}$	$-1.32 \cdot 10^{-11}$	0	$1.174 \cdot 10^{-12}$	$1.174 \cdot 10^{-12}$	0
$t\bar{t} \to s\bar{s}$	$-4.96 \cdot 10^{-9}$	$-4.96 \cdot 10^{-9}$	0	$6.548 \cdot 10^{-10}$	$6.548 \cdot 10^{-10}$	0
$u\bar{d} \to \mu^+ \nu_\mu$	$-9.075 \cdot 10^{-13}$	$-9.075 \cdot 10^{-13}$	0	$2.164 \cdot 10^{-12}$	$2.164 \cdot 10^{-12}$	0
$u\bar{d} \to c\bar{s}$	$-7.361 \cdot 10^{-10}$	$-7.361 \cdot 10^{-10}$	0	$1.915 \cdot 10^{-9}$	$1.915 \cdot 10^{-9}$	0
$u\bar{d} \to u\bar{d}$	$1.998 \cdot 10^{-11}$	$1.998 \cdot 10^{-11}$	0	$1.888 \cdot 10^{-11}$	$1.888 \cdot 10^{-11}$	0

2.22 cdd

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.3307	-0.3307	0	1.838	1.838	0
$b\bar{b} \to d\bar{d}$	0.005106	0.005106	0	0.3752	0.3752	0
$s\bar{s} \to s\bar{s}$	-0.2622	-0.2622	0	1.619	1.619	0

2.23 cdd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.3307	-0.3307	0	1.838	1.838	0
$b\bar{b} \to d\bar{d}$	0.2488	0.2488	0	0.3752	0.3752	0
$s\bar{s} \to s\bar{s}$	-0.2622	-0.2622	0	1.619	1.619	0

2.24 ceBRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to ze^+e^-$	$-5.074 \cdot 10^{-19}$	$-5.074 \cdot 10^{-19}$	0	$2.205 \cdot 10^{-18}$	$2.205 \cdot 10^{-18}$	0
$HW^- \to \gamma e^- \bar{\nu}_e$	$-4.499 \cdot 10^{-19}$	$-4.499 \cdot 10^{-19}$	0	$4.273 \cdot 10^{-19}$	$4.273 \cdot 10^{-19}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H\gamma \to e^+e^-$	$1.479 \cdot 10^{-23}$	$1.479 \cdot 10^{-23}$	0	$1.546 \cdot 10^{-12}$	$1.546 \cdot 10^{-12}$	0
$Hz \to \mu^+\mu^-$	$-5.53 \cdot 10^{-10}$	$-5.53 \cdot 10^{-10}$	0	$5.578 \cdot 10^{-8}$	$5.578 \cdot 10^{-8}$	0
$\mu^+\mu^- \to \tau^+\tau^-$	$1.052 \cdot 10^{-6}$	$1.052 \cdot 10^{-6}$	0	$7.728 \cdot 10^{-7}$	$7.728 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	$4.606 \cdot 10^{-11}$	$4.606 \cdot 10^{-11}$	0	$1.264 \cdot 10^{-10}$	$1.264 \cdot 10^{-10}$	0
$c\bar{c} \to \mu^+\mu^-$	$3.302 \cdot 10^{-10}$	$3.302 \cdot 10^{-10}$	0	$5.143 \cdot 10^{-11}$	$5.143 \cdot 10^{-11}$	0
$d\bar{d} \to e^+e^-$	$1.729 \cdot 10^{-15}$	$1.729 \cdot 10^{-15}$	0	$2.206 \cdot 10^{-15}$	$2.206 \cdot 10^{-15}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$1.209 \cdot 10^{-13}$	$1.209 \cdot 10^{-13}$	0	$1.271 \cdot 10^{-13}$	$1.271 \cdot 10^{-13}$	0
$e^+\nu_e \to e^+\nu_e$	$3.553 \cdot 10^{-13}$	$3.553 \cdot 10^{-13}$	0	$3.465 \cdot 10^{-13}$	$3.465 \cdot 10^{-13}$	0
$e^+\tau^- \to e^+\tau^-$	$-1.581 \cdot 10^{-5}$	$-1.581 \cdot 10^{-5}$	0	$8.524 \cdot 10^{-5}$	$8.524 \cdot 10^{-5}$	0
$e^+e^- \to \mu^+\mu^-$	$5.44 \cdot 10^{-9}$	$5.44 \cdot 10^{-9}$	0	$1.928 \cdot 10^{-9}$	$1.928 \cdot 10^{-9}$	0
$e^+e^- \to e^+e^-$	$-2.601 \cdot 10^{-13}$	$-2.601 \cdot 10^{-13}$	0	$2.299 \cdot 10^{-12}$	$2.299 \cdot 10^{-12}$	0
$t\bar{t} \to \tau^+\tau^-$	$-1.817 \cdot 10^{-7}$	$-1.817 \cdot 10^{-7}$	0	$7.402 \cdot 10^{-8}$	$7.402 \cdot 10^{-8}$	0

2.25 ceHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to H\tau^+\tau^-$	$-2.312 \cdot 10^{-10}$	$-2.312 \cdot 10^{-10}$	0	$4.489 \cdot 10^{-11}$	$4.489 \cdot 10^{-11}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.317 \cdot 10^{-16}$	$1.317 \cdot 10^{-16}$	0	$2.033 \cdot 10^{-17}$	$2.033 \cdot 10^{-17}$	0
$HH \to ze^+e^-$	$-1.022 \cdot 10^{-18}$	$-1.022 \cdot 10^{-18}$	0	$8.365 \cdot 10^{-18}$	$8.365 \cdot 10^{-18}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-7.053 \cdot 10^{-19}$	$-7.053 \cdot 10^{-19}$	0	$2.493 \cdot 10^{-19}$	$2.493 \cdot 10^{-19}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	$-4.128 \cdot 10^{-9}$	$-4.128 \cdot 10^{-9}$	0	$7.654 \cdot 10^{-9}$	$7.654 \cdot 10^{-9}$	0
$H\gamma \to e^+e^-$	$-1.719 \cdot 10^{-12}$	$-1.719 \cdot 10^{-12}$	0	$5.212 \cdot 10^{-14}$	$5.212 \cdot 10^{-14}$	0
$Hz \to \mu^+\mu^-$	$2.019 \cdot 10^{-9}$	$2.019 \cdot 10^{-9}$	0	$7.446 \cdot 10^{-9}$	$7.446 \cdot 10^{-9}$	0
$\mu^+\mu^- \to \tau^+\tau^-$	$-2.376 \cdot 10^{-12}$	$-2.376 \cdot 10^{-12}$	0	$1.455 \cdot 10^{-13}$	$1.455 \cdot 10^{-13}$	0
$b\bar{b} \to \mu^+\mu^-$	$-2.212 \cdot 10^{-12}$	$-2.212 \cdot 10^{-12}$	0	$6.71 \cdot 10^{-14}$	$6.71 \cdot 10^{-14}$	0
$c\bar{c} \to \mu^+\mu^-$	$-2.073 \cdot 10^{-13}$	$-2.073 \cdot 10^{-13}$	0	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	0
$d\bar{d} \to e^+e^-$	$-6.436 \cdot 10^{-23}$	$-6.436 \cdot 10^{-23}$	0	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	0
$e^+\tau^- \to e^+\tau^-$	$-1.024 \cdot 10^{-15}$	$-1.024 \cdot 10^{-15}$	0	$1.763 \cdot 10^{-18}$	$1.763 \cdot 10^{-18}$	0

	interference			square		
$e^+e^- \to \mu^+\mu^-$	$-2.015 \cdot 10^{-19}$	$-2.015 \cdot 10^{-19}$	0	$1.203 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0
$e^+e^- \to e^+e^-$	$2.202 \cdot 10^{-13}$	$2.202 \cdot 10^{-13}$	0	$7.944 \cdot 10^{-25}$	$7.944 \cdot 10^{-25}$	0
$t\bar{t} \to \tau^+\tau^-$	$-9.96 \cdot 10^{-7}$	$-9.96 \cdot 10^{-7}$	0	$3.052 \cdot 10^{-8}$	$3.052 \cdot 10^{-8}$	0

2.26 ceWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+e^-\bar{\nu}_e$	$4.086 \cdot 10^{-18}$	$4.086 \cdot 10^{-18}$	0	$3.697 \cdot 10^{-18}$	$3.697 \cdot 10^{-18}$	0
$HH \to ze^+e^-$	$6.3 \cdot 10^{-20}$	$6.3 \cdot 10^{-20}$	0	$2.039 \cdot 10^{-18}$	$2.039 \cdot 10^{-18}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$1.464 \cdot 10^{-18}$	$1.464 \cdot 10^{-18}$	0	$6.434 \cdot 10^{-18}$	$6.434 \cdot 10^{-18}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	$-6.777 \cdot 10^{-9}$	$-6.777 \cdot 10^{-9}$	0	$2.325 \cdot 10^{-7}$	$2.325 \cdot 10^{-7}$	0
$H\gamma \to e^+e^-$	$2.237 \cdot 10^{-23}$	$2.237 \cdot 10^{-23}$	0	$5.934 \cdot 10^{-13}$	$5.934 \cdot 10^{-13}$	0
$Hz \to \mu^+\mu^-$	$-1.033 \cdot 10^{-9}$	$-1.033 \cdot 10^{-9}$	0	$7.193 \cdot 10^{-8}$	$7.193 \cdot 10^{-8}$	0
$\mu^+\mu^- \to \tau^+\tau^-$	$-1.094 \cdot 10^{-6}$	$-1.094 \cdot 10^{-6}$	0	$1.815 \cdot 10^{-7}$	$1.815 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	$1.69 \cdot 10^{-10}$	$1.69 \cdot 10^{-10}$	0	$9.833 \cdot 10^{-11}$	$9.833 \cdot 10^{-11}$	0
$b\bar{t} \to e^-\bar{\nu}_e$	$1.845 \cdot 10^{-15}$	$1.845 \cdot 10^{-15}$	0	$1.167 \cdot 10^{-14}$	$1.167 \cdot 10^{-14}$	0
$c\bar{c} \to \mu^+\mu^-$	$-4.25 \cdot 10^{-10}$	$-4.25 \cdot 10^{-10}$	0	$5.897 \cdot 10^{-10}$	$5.897 \cdot 10^{-10}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$-8.791 \cdot 10^{-8}$	$-8.791 \cdot 10^{-8}$	0	$2.293 \cdot 10^{-7}$	$2.293 \cdot 10^{-7}$	0
$d\bar{d} \to e^+e^-$	$-1.884 \cdot 10^{-14}$	$-1.884 \cdot 10^{-14}$	0	$8.192 \cdot 10^{-15}$	$8.192 \cdot 10^{-15}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$5.128 \cdot 10^{-14}$	$5.128 \cdot 10^{-14}$	0	$2.463 \cdot 10^{-14}$	$2.463 \cdot 10^{-14}$	0
$e^+\nu_e \to \mu^+\nu_\mu$	$-3.067 \cdot 10^{-9}$	$-3.067 \cdot 10^{-9}$	0	$4.819 \cdot 10^{-9}$	$4.819 \cdot 10^{-9}$	0
$e^+\nu_e \to e^+\nu_e$	$-2.686 \cdot 10^{-14}$	$-2.686 \cdot 10^{-14}$	0	$2.071 \cdot 10^{-14}$	$2.071 \cdot 10^{-14}$	0
$e^+\tau^- \to e^+\tau^-$	$1.698 \cdot 10^{-6}$	$1.698 \cdot 10^{-6}$	0	$9.532 \cdot 10^{-6}$	$9.532 \cdot 10^{-6}$	0
$e^+e^- \to \mu^+\mu^-$	$-3.036 \cdot 10^{-9}$	$-3.036 \cdot 10^{-9}$	0	$2.365 \cdot 10^{-9}$	$2.365 \cdot 10^{-9}$	0
$e^+e^- \to e^+e^-$	$9.146 \cdot 10^{-13}$	$9.146 \cdot 10^{-13}$	0	$2.652 \cdot 10^{-12}$	$2.652 \cdot 10^{-12}$	0
$t\bar{t} \to \tau^+\tau^-$	$1.344 \cdot 10^{-8}$	$1.344 \cdot 10^{-8}$	0	$1.898 \cdot 10^{-7}$	$1.898 \cdot 10^{-7}$	0
$u\bar{d} \to \mu^+\nu_\mu$	$-4.645 \cdot 10^{-10}$	$-4.645 \cdot 10^{-10}$	0	$1.108 \cdot 10^{-9}$	$1.108 \cdot 10^{-9}$	0

2.27   ced

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	$2.686 \cdot 10^{-5}$	$2.686 \cdot 10^{-5}$	0	0.0003318	0.0003318	0
$d\bar{d} \to e^+e^-$	0.02088	0.02088	0	0.2556	0.2556	0

2.28   cee

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\mu^+\mu^- \to \tau^+\tau^-$	0.4223	0.4223	0	3.447	3.447	0
$e^+\tau^- \to e^+\tau^-$	-1.408	-1.408	0	2.476	2.476	0
$e^+e^- \to \mu^+\mu^-$	0.1551	0.1551	0	1.266	1.266	0
$e^+e^- \to e^+e^-$	-2.832	-2.832	0	10.63	10.63	0

2.29   ceu

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+\mu^-$	$-5.176 \cdot 10^{-5}$	$-5.176 \cdot 10^{-5}$	0	0.0003168	0.0003168	0
$t\bar{t} \to \tau^+\tau^-$	-0.03873	-0.03873	0	0.2347	0.2347	0

2.30   cld

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	0.01268	0.01268	0	0.3126	0.3126	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \nu_e \bar{\nu}_e$	0.01224	0.01224	0		0.298	0.298	0
$d\bar{d} \to e^+ e^-$	0.0002088	0.0002088	0		0.005146	0.005146	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0.000796	0.000796	0		0.01937	0.01937	0

2.31 cle

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\mu^+ \mu^- \to \tau^+ \tau^-$	0.001252	0.001252	0	0.01028	0.01028	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	-0.1348	-0.1348	0	1	1	0
$e^+ \nu_e \to e^+ \nu_e$	-0.1583	-0.1583	0	1	1	0
$e^+ \tau^- \to e^+ \tau^-$	-1.171	-1.171	0	2	2	0
$e^+ e^- \to \mu^+ \mu^-$	0.04657	0.04657	0	0.3827	0.3827	0
$e^+ e^- \to e^+ e^-$	-1.346	-1.346	0	2.068	2.068	0

2.32 cledqRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+ \mu^-$	$-7.105 \cdot 10^{-11}$	$-7.105 \cdot 10^{-11}$	0	$3.538 \cdot 10^{-11}$	$3.538 \cdot 10^{-11}$	0
$b\bar{t} \to e^- \bar{\nu}_e$	$-8.567 \cdot 10^{-16}$	$-8.567 \cdot 10^{-16}$	0	$4.138 \cdot 10^{-16}$	$4.138 \cdot 10^{-16}$	0
$c\bar{s} \to \tau^+ \nu_\tau$	$-4.931 \cdot 10^{-12}$	$-4.931 \cdot 10^{-12}$	0	$2.477 \cdot 10^{-12}$	$2.477 \cdot 10^{-12}$	0
$d\bar{d} \to e^+ e^-$	$-2.089 \cdot 10^{-21}$	$-2.089 \cdot 10^{-21}$	0	$1.033 \cdot 10^{-21}$	$1.033 \cdot 10^{-21}$	0
$u\bar{d} \to \mu^+ \nu_\mu$	$-4.4 \cdot 10^{-17}$	$-4.4 \cdot 10^{-17}$	0	$2.208 \cdot 10^{-17}$	$2.208 \cdot 10^{-17}$	0

2.33 clequ1Re

	interference			square		

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^-\bar{\nu}_e$	$1.421 \cdot 10^{-12}$	$1.421 \cdot 10^{-12}$	0	$7.068 \cdot 10^{-13}$	$7.068 \cdot 10^{-13}$	0
$c\bar{c} \to \mu^+\mu^-$	$6.633 \cdot 10^{-12}$	$6.633 \cdot 10^{-12}$	0	$3.266 \cdot 10^{-12}$	$3.266 \cdot 10^{-12}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$9.246 \cdot 10^{-10}$	$9.246 \cdot 10^{-10}$	0	$4.619 \cdot 10^{-10}$	$4.619 \cdot 10^{-10}$	0
$t\bar{t} \to \tau^+\tau^-$	$3.378 \cdot 10^{-5}$	$3.378 \cdot 10^{-5}$	0	$1.711 \cdot 10^{-5}$	$1.711 \cdot 10^{-5}$	0
$u\bar{d} \to \mu^+\nu_\mu$	$9.489 \cdot 10^{-18}$	$9.489 \cdot 10^{-18}$	0	$4.724 \cdot 10^{-18}$	$4.724 \cdot 10^{-18}$	0

2.34 clequ3Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^-\bar{\nu}_e$	$4.831 \cdot 10^{-12}$	$4.831 \cdot 10^{-12}$	0	$8.187 \cdot 10^{-12}$	$8.187 \cdot 10^{-12}$	0
$c\bar{c} \to \mu^+\mu^-$	$2.512 \cdot 10^{-11}$	$2.512 \cdot 10^{-11}$	0	$4.601 \cdot 10^{-11}$	$4.601 \cdot 10^{-11}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$5.498 \cdot 10^{-10}$	$5.498 \cdot 10^{-10}$	0	$1.268 \cdot 10^{-10}$	$1.268 \cdot 10^{-10}$	0
$t\bar{t} \to \tau^+\tau^-$	$-8.666 \cdot 10^{-5}$	$-8.666 \cdot 10^{-5}$	0	0.0001313	0.0001313	0
$u\bar{d} \to \mu^+\nu_\mu$	$2.523 \cdot 10^{-17}$	$2.523 \cdot 10^{-17}$	0	$3.26 \cdot 10^{-17}$	$3.26 \cdot 10^{-17}$	0

2.35 cll

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\mu^+\mu^- \to \tau^+\tau^-$	0.04149	0.04149	0	0.3017	0.3017	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	-5.392	-5.392	0	12.22	12.22	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0.3948	0.3948	0	2.855	2.855	0
$e^+\nu_\mu \to e^+\nu_\mu$	0.4202	0.4202	0	1.832	1.832	0
$e^+\nu_e \to e^+\nu_e$	2.134	2.134	0	2.95	2.95	0
$e^+\tau^- \to e^+\tau^-$	-11.23	-11.23	0	3.667	3.667	0
$e^+e^- \to \mu^+\mu^-$	0.3789	0.3789	0	2.756	2.756	0
$e^+e^- \to e^+e^-$	-0.9996	-0.9996	0	7.217	7.217	0

2.36   cll1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	0.008046	0.008046	0	0.0002439	0.0002439	0
$HH \to HHH$	$5.822 \cdot 10^{-8}$	$5.822 \cdot 10^{-8}$	0	$2.647 \cdot 10^{-9}$	$2.647 \cdot 10^{-9}$	0
$HH \to H\tau^+\tau^-$	$1.308 \cdot 10^{-11}$	$1.308 \cdot 10^{-11}$	0	$5.949 \cdot 10^{-13}$	$5.949 \cdot 10^{-13}$	0
$HH \to Hb\bar{b}$	$9.818 \cdot 10^{-11}$	$9.818 \cdot 10^{-11}$	0	$4.464 \cdot 10^{-12}$	$4.464 \cdot 10^{-12}$	0
$HH \to Hs\bar{s}$	$1.606 \cdot 10^{-13}$	$1.606 \cdot 10^{-13}$	0	$7.301 \cdot 10^{-15}$	$7.301 \cdot 10^{-15}$	0
$HH \to Ht\bar{t}$	$7.64 \cdot 10^{-6}$	$7.64 \cdot 10^{-6}$	0	$3.474 \cdot 10^{-7}$	$3.474 \cdot 10^{-7}$	0
$HH \to Hu\bar{u}$	$5.321 \cdot 10^{-17}$	$5.321 \cdot 10^{-17}$	0	$2.419 \cdot 10^{-18}$	$2.419 \cdot 10^{-18}$	0
$HH \to Hzz$	$1.562 \cdot 10^{-6}$	$1.562 \cdot 10^{-6}$	0	$7.102 \cdot 10^{-8}$	$7.102 \cdot 10^{-8}$	0
$HH \to W^+W^-$	5.18	5.18	0	0.157	0.157	0
$HH \to W^+W^-\gamma$	$1.236 \cdot 10^{-7}$	$1.236 \cdot 10^{-7}$	0	$5.622 \cdot 10^{-9}$	$5.622 \cdot 10^{-9}$	0
$HH \to W^+\bar{t}b$	$1.701 \cdot 10^{-6}$	$1.701 \cdot 10^{-6}$	0	$7.733 \cdot 10^{-8}$	$7.733 \cdot 10^{-8}$	0
$HH \to W^+e^-\bar{\nu}_e$	$6.505 \cdot 10^{-8}$	$6.505 \cdot 10^{-8}$	0	$2.958 \cdot 10^{-9}$	$2.958 \cdot 10^{-9}$	0
$HH \to W^-u\bar{d}$	$2.336 \cdot 10^{-7}$	$2.336 \cdot 10^{-7}$	0	$1.062 \cdot 10^{-8}$	$1.062 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$5.168 \cdot 10^{-8}$	$5.168 \cdot 10^{-8}$	0	$2.35 \cdot 10^{-9}$	$2.35 \cdot 10^{-9}$	0
$HH \to z\nu_e\bar{\nu}_e$	$5.582 \cdot 10^{-8}$	$5.582 \cdot 10^{-8}$	0	$2.538 \cdot 10^{-9}$	$2.538 \cdot 10^{-9}$	0
$HH \to zc\bar{c}$	$5.295 \cdot 10^{-7}$	$5.295 \cdot 10^{-7}$	0	$2.408 \cdot 10^{-8}$	$2.408 \cdot 10^{-8}$	0
$HH \to zd\bar{d}$	$6.468 \cdot 10^{-8}$	$6.468 \cdot 10^{-8}$	0	$2.941 \cdot 10^{-9}$	$2.941 \cdot 10^{-9}$	0
$HH \to ze^+e^-$	$7.402 \cdot 10^{-9}$	$7.402 \cdot 10^{-9}$	0	$3.366 \cdot 10^{-10}$	$3.366 \cdot 10^{-10}$	0
$HH \to zt\bar{t}$	$3.692 \cdot 10^{-7}$	$3.692 \cdot 10^{-7}$	0	$1.679 \cdot 10^{-8}$	$1.679 \cdot 10^{-8}$	0
$HH \to zz$	0.06747	0.06747	0	0.002045	0.002045	0
$HW^+ \to \gamma t\bar{b}$	$3.157 \cdot 10^{-7}$	$3.157 \cdot 10^{-7}$	0	$1.435 \cdot 10^{-8}$	$1.435 \cdot 10^{-8}$	0
$HW^+ \to \gamma u\bar{d}$	$2.417 \cdot 10^{-8}$	$2.417 \cdot 10^{-8}$	0	$1.099 \cdot 10^{-9}$	$1.099 \cdot 10^{-9}$	0
$HW^+ \to u\bar{d}$	0.002599	0.002599	0	$7.877 \cdot 10^{-5}$	$7.877 \cdot 10^{-5}$	0
$HW^- \to \bar{t}b$	0.0245	0.0245	0	0.0007427	0.0007427	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$3.3 \cdot 10^{-9}$	$3.3 \cdot 10^{-9}$	0	$1.501 \cdot 10^{-10}$	$1.501 \cdot 10^{-10}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0.0008835	0.0008835	0	$2.678 \cdot 10^{-5}$	$2.678 \cdot 10^{-5}$	0

$H\gamma \to b\bar{b}$	$1.401 \cdot 10^{-5}$	$1.401 \cdot 10^{-5}$	0	$4.247 \cdot 10^{-7}$	$4.247 \cdot 10^{-7}$	0
$H\gamma \to c\bar{c}$	$5.001 \cdot 10^{-6}$	$5.001 \cdot 10^{-6}$	0	$1.516 \cdot 10^{-7}$	$1.516 \cdot 10^{-7}$	0
$H\gamma \to d\bar{d}$	$1.347 \cdot 10^{-11}$	$1.347 \cdot 10^{-11}$	0	$4.082 \cdot 10^{-13}$	$4.082 \cdot 10^{-13}$	0
$H\gamma \to e^+e^-$	$1.284 \cdot 10^{-12}$	$1.284 \cdot 10^{-12}$	0	$3.893 \cdot 10^{-14}$	$3.893 \cdot 10^{-14}$	0
$H\gamma \to t\bar{t}$	0.05063	0.05063	0	0.001535	0.001535	0
$Hz \to \mu^+\mu^-$	0.0001599	0.0001599	0	$4.846 \cdot 10^{-6}$	$4.846 \cdot 10^{-6}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.0004154	0.0004154	0	$1.259 \cdot 10^{-5}$	$1.259 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	0.00177	0.00177	0	$5.365 \cdot 10^{-5}$	$5.365 \cdot 10^{-5}$	0
$Hz \to s\bar{s}$	0.001255	0.001255	0	$3.804 \cdot 10^{-5}$	$3.804 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	0.8082	0.8082	0	0.0245	0.0245	0
$Hz \to u\bar{u}$	0.0006695	0.0006695	0	$2.029 \cdot 10^{-5}$	$2.029 \cdot 10^{-5}$	0
$W^+W^- \to Hb\bar{b}$	$1.072 \cdot 10^{-5}$	$1.072 \cdot 10^{-5}$	0	$4.872 \cdot 10^{-7}$	$4.872 \cdot 10^{-7}$	0
$W^+W^- \to Hc\bar{c}$	$1.215 \cdot 10^{-5}$	$1.215 \cdot 10^{-5}$	0	$5.525 \cdot 10^{-7}$	$5.525 \cdot 10^{-7}$	0
$W^+W^- \to Hd\bar{d}$	$3.214 \cdot 10^{-7}$	$3.214 \cdot 10^{-7}$	0	$1.461 \cdot 10^{-8}$	$1.461 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$6.409 \cdot 10^{-6}$	$6.409 \cdot 10^{-6}$	0	$2.914 \cdot 10^{-7}$	$2.914 \cdot 10^{-7}$	0
$W^+W^- \to W^+W^-$	0.6287	0.6287	0	0.01906	0.01906	0
$W^+W^- \to \gamma\gamma$	0.08546	0.08546	0	0.00259	0.00259	0
$W^+W^- \to \gamma\gamma\gamma$	$1.276 \cdot 10^{-7}$	$1.276 \cdot 10^{-7}$	0	$5.803 \cdot 10^{-9}$	$5.803 \cdot 10^{-9}$	0
$\bar{b}t \to \bar{d}u$	0.005476	0.005476	0	0.000166	0.000166	0
$\gamma W^+ \to zW^+$	0.01281	0.01281	0	0.0003883	0.0003883	0
$\mu^+\mu^- \to \tau^+\tau^-$	0.4776	0.4776	0	3.476	3.476	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	-1.858	-1.858	0	9.058	9.058	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0.0002763	0.0002763	0	0.002006	0.002006	0
$b\bar{b} \to \gamma\gamma$	$5.408 \cdot 10^{-5}$	$5.408 \cdot 10^{-5}$	0	$1.639 \cdot 10^{-6}$	$1.639 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$3.247 \cdot 10^{-5}$	$3.247 \cdot 10^{-5}$	0	$9.841 \cdot 10^{-7}$	$9.841 \cdot 10^{-7}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$1.692 \cdot 10^{-5}$	$1.692 \cdot 10^{-5}$	0	$5.129 \cdot 10^{-7}$	$5.129 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	0.5059	0.5059	0	0.03372	0.03372	0
$b\bar{b} \to d\bar{d}$	0.001256	0.001256	0	$3.807 \cdot 10^{-5}$	$3.807 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	0.04241	0.04241	0	0.002904	0.002904	0

$b\bar{b} \to u\bar{u}$	0.0003056	0.0003056	0	$9.262 \cdot 10^{-6}$	$9.262 \cdot 10^{-6}$	0
$b\bar{t} \to e^- \bar{\nu}_e$	0.001584	0.001584	0	$4.802 \cdot 10^{-5}$	$4.802 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+ \mu^-$	$9.595 \cdot 10^{-5}$	$9.595 \cdot 10^{-5}$	0	$2.908 \cdot 10^{-6}$	$2.908 \cdot 10^{-6}$	0
$c\bar{s} \to \tau^+ \nu_\tau$	$4.077 \cdot 10^{-5}$	$4.077 \cdot 10^{-5}$	0	$1.236 \cdot 10^{-6}$	$1.236 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	0.0004556	0.0004556	0	$1.381 \cdot 10^{-5}$	$1.381 \cdot 10^{-5}$	0
$d\bar{d} \to e^+ e^-$	0.0003435	0.0003435	0	$1.041 \cdot 10^{-5}$	$1.041 \cdot 10^{-5}$	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	0.0005595	0.0005595	0	$1.696 \cdot 10^{-5}$	$1.696 \cdot 10^{-5}$	0
$e^+ \nu_e \to \mu^+ \nu_\mu$	0.2049	0.2049	0	0.9613	0.9613	0
$e^+ \nu_e \to e^+ \nu_e$	0.07116	0.07116	0	0.2271	0.2271	0
$e^+ \tau^- \to e^+ \tau^-$	-1.5	-1.5	0	2.383	2.383	0
$e^+ e^- \to \mu^+ \mu^-$	0.1756	0.1756	0	1.277	1.277	0
$e^+ e^- \to e^+ e^-$	-3.082	-3.082	0	10.44	10.44	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0.0003238	0.0003238	0	$9.816 \cdot 10^{-6}$	$9.816 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	-0.0005013	-0.0005013	0	$2.519 \cdot 10^{-6}$	$2.519 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.0002919	0.0002919	0	$8.849 \cdot 10^{-6}$	$8.849 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+ \tau^-$	0.0004505	0.0004505	0	$1.365 \cdot 10^{-5}$	$1.365 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	$6.556 \cdot 10^{-5}$	$6.556 \cdot 10^{-5}$	0	$1.987 \cdot 10^{-6}$	$1.987 \cdot 10^{-6}$	0
$t\bar{t} \to d\bar{d}$	$2.605 \cdot 10^{-5}$	$2.605 \cdot 10^{-5}$	0	$7.895 \cdot 10^{-7}$	$7.895 \cdot 10^{-7}$	0
$t\bar{t} \to s\bar{s}$	$3.264 \cdot 10^{-5}$	$3.264 \cdot 10^{-5}$	0	$9.894 \cdot 10^{-7}$	$9.894 \cdot 10^{-7}$	0
$t\bar{t} \to t\bar{t}$	-0.2115	-0.2115	0	0.004173	0.004173	0
$u\bar{d} \to \mu^+ \nu_\mu$	$9.113 \cdot 10^{-5}$	$9.113 \cdot 10^{-5}$	0	$2.762 \cdot 10^{-6}$	$2.762 \cdot 10^{-6}$	0
$u\bar{d} \to c\bar{s}$	0.0001264	0.0001264	0	$3.833 \cdot 10^{-6}$	$3.833 \cdot 10^{-6}$	0
$u\bar{d} \to u\bar{d}$	-0.001944	-0.001944	0	$4.892 \cdot 10^{-5}$	$4.892 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$6.313 \cdot 10^{-5}$	$6.313 \cdot 10^{-5}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0
$u\bar{u} \to u\bar{u}$	-0.04847	-0.04847	0	0.0005641	0.0005641	0
$zz \to W^+ W^-$	134.1	134.1	0	4.063	4.063	0
$zz \to zz$	0.009175	0.009175	0	0.0002781	0.0002781	0

2.37   clq1

	interference			square		
	mod1	mod2	$1-\texttt{mod2/mod1}$	mod1	mod2	$1-\texttt{mod2/mod1}$
$b\bar{b} \to \mu^+\mu^-$	0.0129	0.0129	0	0.06654	0.06654	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	-0.03306	-0.03306	0	0.1404	0.1404	0
$c\bar{c} \to \mu^+\mu^-$	$-7.431 \cdot 10^{-5}$	$-7.431 \cdot 10^{-5}$	0	0.0003168	0.0003168	0
$d\bar{d} \to e^+e^-$	0.003844	0.003844	0	0.01983	0.01983	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	-0.01755	-0.01755	0	0.07451	0.07451	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.001042	0.001042	0	0.009567	0.009567	0
$t\bar{t} \to \tau^+\tau^-$	-0.05584	-0.05584	0	0.2347	0.2347	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0.009531	0.009531	0	0.04902	0.04902	0

2.38   clq3

	interference			square		
	mod1	mod2	$1-\texttt{mod2/mod1}$	mod1	mod2	$1-\texttt{mod2/mod1}$
$b\bar{b} \to \mu^+\mu^-$	$6.457 \cdot 10^{-5}$	$6.457 \cdot 10^{-5}$	0	0.0003318	0.0003318	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.0002334	0.0002334	0	0.0009919	0.0009919	0
$b\bar{t} \to e^-\bar{\nu}_e$	0.2436	0.2436	0	1.135	1.135	0
$c\bar{c} \to \mu^+\mu^-$	0.004593	0.004593	0	0.01959	0.01959	0
$c\bar{s} \to \tau^+\nu_\tau$	0.006268	0.006268	0	0.02921	0.02921	0
$d\bar{d} \to e^+e^-$	0.04957	0.04957	0	0.2556	0.2556	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0.04522	0.04522	0	0.192	0.192	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.05011	0.05011	0	0.262	0.262	0
$t\bar{t} \to \tau^+\tau^-$	0.04106	0.04106	0	0.1717	0.1717	0
$u\bar{d} \to \mu^+\nu_\mu$	0.01401	0.01401	0	0.0653	0.0653	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0.0001256	0.0001256	0	0.0006459	0.0006459	0

2.39   clu

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0254	-0.0254	0		0.3131	0.3131	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	-0.01835	-0.01835	0		0.2468	0.2468	0
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.003317	-0.003317	0		0.01212	0.01212	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	-0.01041	-0.01041	0		0.1267	0.1267	0

2.40 cqd1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	0.3967	0.3967	0		2.002	2.002	0
$b\bar{b} \rightarrow d\bar{d}$	-0.0002132	-0.0002132	0		0.01568	0.01568	0
$b\bar{b} \rightarrow t\bar{t}$	-0.002714	-0.002714	0		0.07727	0.07727	0
$b\bar{b} \rightarrow u\bar{u}$	-0.003881	-0.003881	0		0.2905	0.2905	0
$d\bar{d} \rightarrow c\bar{c}$	-0.002497	-0.002497	0		0.1871	0.1871	0
$s\bar{s} \rightarrow s\bar{s}$	0.01178	0.01178	0		3.418	3.418	0
$t\bar{t} \rightarrow d\bar{d}$	-0.01362	-0.01362	0		0.8991	0.8991	0
$t\bar{t} \rightarrow s\bar{s}$	-0.01287	-0.01287	0		0.8426	0.8426	0
$u\bar{d} \rightarrow u\bar{d}$	0.02193	0.02193	0		1	1	0

2.41 cqd8

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-47.02	-47.02	0		0.4448	0.4448	0
$b\bar{b} \rightarrow d\bar{d}$	0.01035	0.01035	0		0.003484	0.003484	0
$b\bar{b} \rightarrow t\bar{t}$	0.07048	0.07048	0		0.01717	0.01717	0
$b\bar{b} \rightarrow u\bar{u}$	0.1913	0.1913	0		0.06456	0.06456	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$d\bar{d} \to c\bar{c}$	0.1232	0.1232	0	0.04158	0.04158	0
$s\bar{s} \to s\bar{s}$	−0.6302	−0.6302	0	0.7596	0.7596	0
$t\bar{t} \to d\bar{d}$	0.6117	0.6117	0	0.1998	0.1998	0
$t\bar{t} \to s\bar{s}$	0.5745	0.5745	0	0.1872	0.1872	0
$u\bar{d} \to u\bar{d}$	−1.035	−1.035	0	0.2222	0.2222	0

2.42 cqe

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \to \mu^+\mu^-$	−0.004247	−0.004247	0	0.102	0.102	0
$c\bar{c} \to \mu^+\mu^-$	−0.01254	−0.01254	0	0.3131	0.3131	0
$d\bar{d} \to e^+e^-$	−0.007933	−0.007933	0	0.1906	0.1906	0
$t\bar{t} \to \tau^+\tau^-$	−0.002111	−0.002111	0	0.01212	0.01212	0

2.43 cqq1

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \to b\bar{b}$	−101.5	−101.5	0	10.08	10.08	0
$b\bar{b} \to d\bar{d}$	0.3683	0.3683	0	3.323	3.323	0
$b\bar{b} \to t\bar{t}$	−0.874	−0.874	0	2.085	2.085	0
$b\bar{b} \to u\bar{u}$	−0.08832	−0.08832	0	0.8502	0.8502	0
$d\bar{d} \to c\bar{c}$	−0.1338	−0.1338	0	1.288	1.288	0
$s\bar{s} \to s\bar{s}$	−0.01481	−0.01481	0	0.2661	0.2661	0
$t\bar{t} \to c\bar{c}$	0.00289	0.00289	0	0.01178	0.01178	0
$t\bar{t} \to d\bar{d}$	−0.001113	−0.001113	0	0.02666	0.02666	0
$t\bar{t} \to s\bar{s}$	−0.00355	−0.00355	0	0.05012	0.05012	0
$t\bar{t} \to t\bar{t}$	−8.026	−8.026	0	19.29	19.29	0

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$u\bar{d} \to u\bar{d}$	0.1227	0.1227	0	0.5288	0.5288	0
$u\bar{u} \to u\bar{u}$	-6.343	-6.343	0	6.32	6.32	0

2.44 cqq11

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$\bar{b}t \to \bar{d}u$	0.2807	0.2807	0	3.924	3.924	0
$b\bar{b} \to b\bar{b}$	-101.5	-101.5	0	10.08	10.08	0
$b\bar{b} \to d\bar{d}$	2.311	2.311	0	3.323	3.323	0
$b\bar{b} \to t\bar{t}$	-0.874	-0.874	0	2.085	2.085	0
$s\bar{s} \to s\bar{s}$	-0.01481	-0.01481	0	0.2661	0.2661	0
$t\bar{t} \to c\bar{c}$	0.08734	0.08734	0	0.01178	0.01178	0
$t\bar{t} \to t\bar{t}$	-8.026	-8.026	0	19.29	19.29	0
$u\bar{d} \to c\bar{s}$	0.00648	0.00648	0	0.0906	0.0906	0
$u\bar{d} \to u\bar{d}$	0.1227	0.1227	0	0.5288	0.5288	0
$u\bar{u} \to u\bar{u}$	-6.343	-6.343	0	6.32	6.32	0

2.45 cqq3

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$\bar{b}t \to \bar{d}u$	1.684	1.684	0	15.7	15.7	0
$b\bar{b} \to b\bar{b}$	-101.5	-101.5	0	10.08	10.08	0
$b\bar{b} \to d\bar{d}$	0.3683	0.3683	0	3.323	3.323	0
$b\bar{b} \to t\bar{t}$	-0.32	-0.32	0	7.646	7.646	0
$b\bar{b} \to u\bar{u}$	0.08832	0.08832	0	0.8502	0.8502	0
$d\bar{d} \to c\bar{c}$	0.1338	0.1338	0	1.288	1.288	0
$s\bar{s} \to s\bar{s}$	-0.01481	-0.01481	0	0.2661	0.2661	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.00289	0.00289	0	0.01178	0.01178	0
$t\bar{t} \to d\bar{d}$	0.001113	0.001113	0	0.02666	0.02666	0
$t\bar{t} \to s\bar{s}$	0.00355	0.00355	0	0.05012	0.05012	0
$t\bar{t} \to t\bar{t}$	-8.026	-8.026	0	19.29	19.29	0
$u\bar{d} \to c\bar{s}$	0.03888	0.03888	0	0.3624	0.3624	0
$u\bar{d} \to u\bar{d}$	-0.9334	-0.9334	0	1.939	1.939	0
$u\bar{u} \to u\bar{u}$	-6.343	-6.343	0	6.32	6.32	0

2.46   cqq31

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	-0.2807	-0.2807	0	3.924	3.924	0
$b\bar{b} \to b\bar{b}$	-101.5	-101.5	0	10.08	10.08	0
$b\bar{b} \to d\bar{d}$	2.311	2.311	0	3.323	3.323	0
$b\bar{b} \to t\bar{t}$	-0.32	-0.32	0	7.646	7.646	0
$b\bar{b} \to u\bar{u}$	1.061	1.061	0	3.401	3.401	0
$d\bar{d} \to c\bar{c}$	1.607	1.607	0	5.152	5.152	0
$s\bar{s} \to s\bar{s}$	-0.01481	-0.01481	0	0.2661	0.2661	0
$t\bar{t} \to c\bar{c}$	0.08734	0.08734	0	0.01178	0.01178	0
$t\bar{t} \to d\bar{d}$	0.1916	0.1916	0	0.1066	0.1066	0
$t\bar{t} \to s\bar{s}$	0.2209	0.2209	0	0.2005	0.2005	0
$t\bar{t} \to t\bar{t}$	-8.026	-8.026	0	19.29	19.29	0
$u\bar{d} \to c\bar{s}$	-0.00648	-0.00648	0	0.0906	0.0906	0
$u\bar{d} \to u\bar{d}$	-0.9334	-0.9334	0	1.939	1.939	0
$u\bar{u} \to u\bar{u}$	-6.343	-6.343	0	6.32	6.32	0

2.47   cqu1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.1951	-0.1951	0	0.3054	0.3054	0
$b\bar{b} \to u\bar{u}$	0.0002946	0.0002946	0	0.01065	0.01065	0
$d\bar{d} \to c\bar{c}$	0.006457	0.006457	0	0.2327	0.2327	0
$t\bar{t} \to c\bar{c}$	0.05093	0.05093	0	1.539	1.539	0
$t\bar{t} \to d\bar{d}$	0.005885	0.005885	0	0.4355	0.4355	0
$t\bar{t} \to s\bar{s}$	-0.004407	-0.004407	0	0.06463	0.06463	0
$t\bar{t} \to t\bar{t}$	-2.063	-2.063	0	7.402	7.402	0
$u\bar{d} \to u\bar{d}$	-0.0508	-0.0508	0	1	1	0
$u\bar{u} \to u\bar{u}$	-0.02536	-0.02536	0	3.472	3.472	0

2.48   cqu8

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.04244	-0.04244	0	0.06786	0.06786	0
$b\bar{b} \to u\bar{u}$	0.007025	0.007025	0	0.002367	0.002367	0
$d\bar{d} \to c\bar{c}$	0.1532	0.1532	0	0.05171	0.05171	0
$t\bar{t} \to c\bar{c}$	1.053	1.053	0	0.342	0.342	0
$t\bar{t} \to d\bar{d}$	0.3064	0.3064	0	0.09678	0.09678	0
$t\bar{t} \to s\bar{s}$	0.06221	0.06221	0	0.01436	0.01436	0
$t\bar{t} \to t\bar{t}$	-14.49	-14.49	0	1.588	1.588	0
$u\bar{d} \to u\bar{d}$	-1.283	-1.283	0	0.2222	0.2222	0
$u\bar{u} \to u\bar{u}$	-0.5663	-0.5663	0	0.7715	0.7715	0

2.49   cquqd11Re

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-2.429 \cdot 10^{-11}$	$-2.429 \cdot 10^{-11}$	0	$7.489 \cdot 10^{-12}$	$7.489 \cdot 10^{-12}$	0
$b\bar{b} \to t\bar{t}$	$-9.922 \cdot 10^{-5}$	$-9.922 \cdot 10^{-5}$	0	0.0004524	0.0004524	0
$b\bar{b} \to u\bar{u}$	$4.518 \cdot 10^{-15}$	$4.518 \cdot 10^{-15}$	0	$4.725 \cdot 10^{-16}$	$4.725 \cdot 10^{-16}$	0
$d\bar{d} \to c\bar{c}$	$-1.746 \cdot 10^{-15}$	$-1.746 \cdot 10^{-15}$	0	$4.454 \cdot 10^{-15}$	$4.454 \cdot 10^{-15}$	0
$t\bar{t} \to d\bar{d}$	$-5.791 \cdot 10^{-11}$	$-5.791 \cdot 10^{-11}$	0	$1.543 \cdot 10^{-10}$	$1.543 \cdot 10^{-10}$	0
$t\bar{t} \to s\bar{s}$	$6.628 \cdot 10^{-9}$	$6.628 \cdot 10^{-9}$	0	$9.079 \cdot 10^{-9}$	$9.079 \cdot 10^{-9}$	0
$u\bar{d} \to c\bar{s}$	$-6.138 \cdot 10^{-15}$	$-6.138 \cdot 10^{-15}$	0	$8.723 \cdot 10^{-15}$	$8.723 \cdot 10^{-15}$	0
$u\bar{d} \to u\bar{d}$	$-1.28 \cdot 10^{-20}$	$-1.28 \cdot 10^{-20}$	0	$8.889 \cdot 10^{-20}$	$8.889 \cdot 10^{-20}$	0

2.50 cquqd1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-3.529 \cdot 10^{-10}$	$-3.529 \cdot 10^{-10}$	0	$1.771 \cdot 10^{-10}$	$1.771 \cdot 10^{-10}$	0
$b\bar{b} \to t\bar{t}$	$-9.922 \cdot 10^{-5}$	$-9.922 \cdot 10^{-5}$	0	0.0004524	0.0004524	0
$b\bar{b} \to u\bar{u}$	$-8.916 \cdot 10^{-14}$	$-8.916 \cdot 10^{-14}$	0	$4.436 \cdot 10^{-14}$	$4.436 \cdot 10^{-14}$	0
$d\bar{d} \to c\bar{c}$	$-3.858 \cdot 10^{-14}$	$-3.858 \cdot 10^{-14}$	0	$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	0
$t\bar{t} \to d\bar{d}$	$-7.042 \cdot 10^{-10}$	$-7.042 \cdot 10^{-10}$	0	$3.545 \cdot 10^{-10}$	$3.545 \cdot 10^{-10}$	0
$t\bar{t} \to s\bar{s}$	$-2.784 \cdot 10^{-7}$	$-2.784 \cdot 10^{-7}$	0	$1.406 \cdot 10^{-7}$	$1.406 \cdot 10^{-7}$	0
$u\bar{d} \to c\bar{s}$	$-1.928 \cdot 10^{-14}$	$-1.928 \cdot 10^{-14}$	0	$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	0
$u\bar{d} \to u\bar{d}$	$-1.28 \cdot 10^{-20}$	$-1.28 \cdot 10^{-20}$	0	$8.889 \cdot 10^{-20}$	$8.889 \cdot 10^{-20}$	0

2.51 cquqd81Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-3.565 \cdot 10^{-12}$	$-3.565 \cdot 10^{-12}$	0	$1.497 \cdot 10^{-14}$	$1.497 \cdot 10^{-14}$	0
$b\bar{b} \to t\bar{t}$	0.0001625	0.0001625	0	$5.374 \cdot 10^{-5}$	$5.374 \cdot 10^{-5}$	0

	interference mod1	interference mod2	$1-\text{mod2/mod1}$	square mod1	square mod2	$1-\text{mod2/mod1}$
$b\bar{b} \to u\bar{u}$	$-2.345 \cdot 10^{-14}$	$-2.345 \cdot 10^{-14}$	0	$2.864 \cdot 10^{-15}$	$2.864 \cdot 10^{-15}$	0
$d\bar{d} \to c\bar{c}$	$-8.25 \cdot 10^{-15}$	$-8.25 \cdot 10^{-15}$	0	$7.96 \cdot 10^{-16}$	$7.96 \cdot 10^{-16}$	0
$t\bar{t} \to d\bar{d}$	$-3.157 \cdot 10^{-10}$	$-3.157 \cdot 10^{-10}$	0	$7.077 \cdot 10^{-11}$	$7.077 \cdot 10^{-11}$	0
$t\bar{t} \to s\bar{s}$	$-1.213 \cdot 10^{-7}$	$-1.213 \cdot 10^{-7}$	0	$2.63 \cdot 10^{-8}$	$2.63 \cdot 10^{-8}$	0
$u\bar{d} \to c\bar{s}$	$-7.299 \cdot 10^{-15}$	$-7.299 \cdot 10^{-15}$	0	$1.537 \cdot 10^{-15}$	$1.537 \cdot 10^{-15}$	0
$u\bar{d} \to u\bar{d}$	$2.251 \cdot 10^{-20}$	$2.251 \cdot 10^{-20}$	0	$1.207 \cdot 10^{-20}$	$1.207 \cdot 10^{-20}$	0

2.52   cquqd8Re

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-1.13 \cdot 10^{-26}$	$-1.13 \cdot 10^{-26}$	0	$3.936 \cdot 10^{-11}$	$3.936 \cdot 10^{-11}$	0
$b\bar{b} \to t\bar{t}$	0.0001625	0.0001625	0	$5.374 \cdot 10^{-5}$	$5.374 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	$2.761 \cdot 10^{-16}$	$2.761 \cdot 10^{-16}$	0	$9.858 \cdot 10^{-15}$	$9.858 \cdot 10^{-15}$	0
$d\bar{d} \to c\bar{c}$	$-2.061 \cdot 10^{-16}$	$-2.061 \cdot 10^{-16}$	0	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	0
$t\bar{t} \to d\bar{d}$	$2.451 \cdot 10^{-11}$	$2.451 \cdot 10^{-11}$	0	$7.878 \cdot 10^{-11}$	$7.878 \cdot 10^{-11}$	0
$t\bar{t} \to s\bar{s}$	$9.039 \cdot 10^{-9}$	$9.039 \cdot 10^{-9}$	0	$3.124 \cdot 10^{-8}$	$3.124 \cdot 10^{-8}$	0
$u\bar{d} \to c\bar{s}$	$-3.758 \cdot 10^{-31}$	$-3.758 \cdot 10^{-31}$	0	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	0
$u\bar{d} \to u\bar{d}$	$2.251 \cdot 10^{-20}$	$2.251 \cdot 10^{-20}$	0	$1.207 \cdot 10^{-20}$	$1.207 \cdot 10^{-20}$	0

2.53   cuBRe

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
$HH \to zc\bar{c}$	$1.471 \cdot 10^{-10}$	$1.471 \cdot 10^{-10}$	0	$7.755 \cdot 10^{-11}$	$7.755 \cdot 10^{-11}$	0
$HH \to zt\bar{t}$	$-1.286 \cdot 10^{-5}$	$-1.286 \cdot 10^{-5}$	0	$1.115 \cdot 10^{-5}$	$1.115 \cdot 10^{-5}$	0
$HW^{+} \to \gamma t\bar{b}$	$-7.014 \cdot 10^{-7}$	$-7.014 \cdot 10^{-7}$	0	$7.522 \cdot 10^{-6}$	$7.522 \cdot 10^{-6}$	0
$HW^{+} \to \gamma u\bar{d}$	$-9.737 \cdot 10^{-17}$	$-9.737 \cdot 10^{-17}$	0	$1.225 \cdot 10^{-17}$	$1.225 \cdot 10^{-17}$	0
$H\gamma \to c\bar{c}$	$1.195 \cdot 10^{-9}$	$1.195 \cdot 10^{-9}$	0	$7.747 \cdot 10^{-5}$	$7.747 \cdot 10^{-5}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$H\gamma \to t\bar{t}$	0.5785	0.5785	0	1.414	1.414	0
$Hz \to t\bar{t}$	−0.02033	−0.02033	0	0.805	0.805	0
$Hz \to u\bar{u}$	$2.591 \cdot 10^{-12}$	$2.591 \cdot 10^{-12}$	0	$2.721 \cdot 10^{-11}$	$2.721 \cdot 10^{-11}$	0
$W^+W^- \to Hc\bar{c}$	$-3.526 \cdot 10^{-12}$	$-3.526 \cdot 10^{-12}$	0	$6.064 \cdot 10^{-13}$	$6.064 \cdot 10^{-13}$	0
$W^+W^- \to Ht\bar{t}$	$-1.079 \cdot 10^{-7}$	$-1.079 \cdot 10^{-7}$	0	$2.624 \cdot 10^{-8}$	$2.624 \cdot 10^{-8}$	0
$b\bar{b} \to t\bar{t}$	0.003397	0.003397	0	0.001137	0.001137	0
$b\bar{b} \to u\bar{u}$	$9.465 \cdot 10^{-14}$	$9.465 \cdot 10^{-14}$	0	$5.934 \cdot 10^{-14}$	$5.934 \cdot 10^{-14}$	0
$c\bar{c} \to \mu^+\mu^-$	$-6.516 \cdot 10^{-8}$	$-6.516 \cdot 10^{-8}$	0	$1.966 \cdot 10^{-8}$	$1.966 \cdot 10^{-8}$	0
$d\bar{d} \to c\bar{c}$	$1.008 \cdot 10^{-8}$	$1.008 \cdot 10^{-8}$	0	$5.535 \cdot 10^{-8}$	$5.535 \cdot 10^{-8}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	−0.0002651	−0.0002651	0	0.0004344	0.0004344	0
$t\bar{t} \to \tau^+\tau^-$	−0.003486	−0.003486	0	0.002312	0.002312	0
$t\bar{t} \to c\bar{c}$	−0.001506	−0.001506	0	0.002261	0.002261	0
$t\bar{t} \to d\bar{d}$	$1.25 \cdot 10^{-5}$	$1.25 \cdot 10^{-5}$	0	0.001124	0.001124	0
$t\bar{t} \to s\bar{s}$	0.0004591	0.0004591	0	0.0009313	0.0009313	0
$t\bar{t} \to t\bar{t}$	1.035	1.035	0	0.3252	0.3252	0
$u\bar{d} \to u\bar{d}$	$-2.754 \cdot 10^{-13}$	$-2.754 \cdot 10^{-13}$	0	$5.885 \cdot 10^{-13}$	$5.885 \cdot 10^{-13}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$2.62 \cdot 10^{-14}$	$2.62 \cdot 10^{-14}$	0	$9.143 \cdot 10^{-14}$	$9.143 \cdot 10^{-14}$	0
$u\bar{u} \to u\bar{u}$	$-1.449 \cdot 10^{-11}$	$-1.449 \cdot 10^{-11}$	0	$1.649 \cdot 10^{-12}$	$1.649 \cdot 10^{-12}$	0

2.54 cuGRe

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \to t\bar{t}$	−0.1017	−0.1017	0	0.04357	0.04357	0
$b\bar{b} \to u\bar{u}$	$-2.992 \cdot 10^{-11}$	$-2.992 \cdot 10^{-11}$	0	$2.275 \cdot 10^{-12}$	$2.275 \cdot 10^{-12}$	0
$d\bar{d} \to c\bar{c}$	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	0	$2.121 \cdot 10^{-6}$	$2.121 \cdot 10^{-6}$	0
$gg \to t\bar{t}$	−0.1385	−0.1385	0	0.08617	0.08617	0
$gg \to u\bar{u}$	$-2.046 \cdot 10^{-11}$	$-2.046 \cdot 10^{-11}$	0	$1.219 \cdot 10^{-11}$	$1.219 \cdot 10^{-11}$	0
$t\bar{t} \to c\bar{c}$	−0.1971	−0.1971	0	0.02575	0.02575	0

$t\bar{t} \to d\bar{d}$	-0.1971	-0.1971	0	0.04307	0.04307	0
$t\bar{t} \to s\bar{s}$	-0.1971	-0.1971	0	0.03569	0.03569	0
$t\bar{t} \to t\bar{t}$	-0.7085	-0.7085	0	3.099	3.099	0
$u\bar{d} \to u\bar{d}$	$-3.203 \cdot 10^{-11}$	$-3.203 \cdot 10^{-11}$	0	$2.333 \cdot 10^{-11}$	$2.333 \cdot 10^{-11}$	0
$u\bar{u} \to u\bar{u}$	$-1.014 \cdot 10^{-10}$	$-1.014 \cdot 10^{-10}$	0	$9.486 \cdot 10^{-12}$	$9.486 \cdot 10^{-12}$	0

2.55 cuHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$1.139 \cdot 10^{-5}$	$1.139 \cdot 10^{-5}$	0	$3.051 \cdot 10^{-6}$	$3.051 \cdot 10^{-6}$	0
$HH \to Hu\bar{u}$	$-4.701 \cdot 10^{-16}$	$-4.701 \cdot 10^{-16}$	0	$6.337 \cdot 10^{-16}$	$6.337 \cdot 10^{-16}$	0
$HH \to W^+\bar{t}b$	$-1.748 \cdot 10^{-7}$	$-1.748 \cdot 10^{-7}$	0	$3.585 \cdot 10^{-7}$	$3.585 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	$-6.41 \cdot 10^{-16}$	$-6.41 \cdot 10^{-16}$	0	$1.671 \cdot 10^{-16}$	$1.671 \cdot 10^{-16}$	0
$HH \to zc\bar{c}$	$-1.715 \cdot 10^{-11}$	$-1.715 \cdot 10^{-11}$	0	$2.538 \cdot 10^{-10}$	$2.538 \cdot 10^{-10}$	0
$HH \to zt\bar{t}$	$-4.509 \cdot 10^{-5}$	$-4.509 \cdot 10^{-5}$	0	$7.265 \cdot 10^{-6}$	$7.265 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$1.917 \cdot 10^{-8}$	$1.917 \cdot 10^{-8}$	0	$1.589 \cdot 10^{-9}$	$1.589 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$-1.069 \cdot 10^{-16}$	$-1.069 \cdot 10^{-16}$	0	$6.607 \cdot 10^{-18}$	$6.607 \cdot 10^{-18}$	0
$HW^+ \to u\bar{d}$	$-1.242 \cdot 10^{-12}$	$-1.242 \cdot 10^{-12}$	0	$9.384 \cdot 10^{-12}$	$9.384 \cdot 10^{-12}$	0
$HW^- \to \bar{t}b$	0.08047	0.08047	0	0.05046	0.05046	0
$H\gamma \to c\bar{c}$	$-5.235 \cdot 10^{-6}$	$-5.235 \cdot 10^{-6}$	0	$1.587 \cdot 10^{-7}$	$1.587 \cdot 10^{-7}$	0
$H\gamma \to t\bar{t}$	-0.1131	-0.1131	0	0.003428	0.003428	0
$Hz \to t\bar{t}$	0.00311	0.00311	0	0.06799	0.06799	0
$Hz \to u\bar{u}$	$-8.02 \cdot 10^{-12}$	$-8.02 \cdot 10^{-12}$	0	$9.66 \cdot 10^{-12}$	$9.66 \cdot 10^{-12}$	0
$W^+W^- \to Hb\bar{b}$	$3.028 \cdot 10^{-7}$	$3.028 \cdot 10^{-7}$	0	$1.169 \cdot 10^{-8}$	$1.169 \cdot 10^{-8}$	0
$W^+W^- \to Hc\bar{c}$	$-6.237 \cdot 10^{-12}$	$-6.237 \cdot 10^{-12}$	0	$6.488 \cdot 10^{-12}$	$6.488 \cdot 10^{-12}$	0
$W^+W^- \to Hd\bar{d}$	$2.143 \cdot 10^{-17}$	$2.143 \cdot 10^{-17}$	0	$3.349 \cdot 10^{-28}$	$3.349 \cdot 10^{-28}$	0
$W^+W^- \to Ht\bar{t}$	$9.317 \cdot 10^{-8}$	$9.317 \cdot 10^{-8}$	0	$3.849 \cdot 10^{-7}$	$3.849 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$-1.027 \cdot 10^{-5}$	$-1.027 \cdot 10^{-5}$	0	$4.739 \cdot 10^{-7}$	$4.739 \cdot 10^{-7}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	$-2.759 \cdot 10^{-15}$	$-2.759 \cdot 10^{-15}$	0	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	0
$c\bar{c} \to \mu^+\mu^-$	$-2.073 \cdot 10^{-13}$	$-2.073 \cdot 10^{-13}$	0	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	0
$d\bar{d} \to c\bar{c}$	$-1.197 \cdot 10^{-15}$	$-1.197 \cdot 10^{-15}$	0	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	0
$t\bar{t} \to \tau^+\tau^-$	$-9.96 \cdot 10^{-7}$	$-9.96 \cdot 10^{-7}$	0	$3.052 \cdot 10^{-8}$	$3.052 \cdot 10^{-8}$	0
$t\bar{t} \to c\bar{c}$	$-3.058 \cdot 10^{-6}$	$-3.058 \cdot 10^{-6}$	0	$1.87 \cdot 10^{-7}$	$1.87 \cdot 10^{-7}$	0
$t\bar{t} \to d\bar{d}$	$-2.091 \cdot 10^{-11}$	$-2.091 \cdot 10^{-11}$	0	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	0
$t\bar{t} \to s\bar{s}$	$-8.238 \cdot 10^{-9}$	$-8.238 \cdot 10^{-9}$	0	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	0
$t\bar{t} \to t\bar{t}$	0.371	0.371	0	0.01033	0.01033	0
$u\bar{d} \to u\bar{d}$	$-1.89 \cdot 10^{-21}$	$-1.89 \cdot 10^{-21}$	0	$9.582 \cdot 10^{-23}$	$9.582 \cdot 10^{-23}$	0
$u\bar{u} \to u\bar{u}$	$2.508 \cdot 10^{-11}$	$2.508 \cdot 10^{-11}$	0	$2.028 \cdot 10^{-22}$	$2.028 \cdot 10^{-22}$	0

2.56 cuWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-4.698 \cdot 10^{-6}$	$-4.698 \cdot 10^{-6}$	0	$8.731 \cdot 10^{-6}$	$8.731 \cdot 10^{-6}$	0
$HH \to W^-u\bar{d}$	$-8.009 \cdot 10^{-16}$	$-8.009 \cdot 10^{-16}$	0	$6.354 \cdot 10^{-17}$	$6.354 \cdot 10^{-17}$	0
$HH \to zc\bar{c}$	$-2.747 \cdot 10^{-10}$	$-2.747 \cdot 10^{-10}$	0	$2.704 \cdot 10^{-10}$	$2.704 \cdot 10^{-10}$	0
$HH \to zt\bar{t}$	$2.402 \cdot 10^{-5}$	$2.402 \cdot 10^{-5}$	0	$3.889 \cdot 10^{-5}$	$3.889 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$-3.348 \cdot 10^{-7}$	$-3.348 \cdot 10^{-7}$	0	$1.775 \cdot 10^{-6}$	$1.775 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	$5.1 \cdot 10^{-17}$	$5.1 \cdot 10^{-17}$	0	$2.726 \cdot 10^{-16}$	$2.726 \cdot 10^{-16}$	0
$HW^+ \to u\bar{d}$	$-1.025 \cdot 10^{-11}$	$-1.025 \cdot 10^{-11}$	0	$2.681 \cdot 10^{-10}$	$2.681 \cdot 10^{-10}$	0
$HW^- \to \bar{t}b$	0.2444	0.2444	0	2.103	2.103	0
$H\gamma \to c\bar{c}$	$6.4 \cdot 10^{-10}$	$6.4 \cdot 10^{-10}$	0	$2.222 \cdot 10^{-5}$	$2.222 \cdot 10^{-5}$	0
$H\gamma \to t\bar{t}$	0.3098	0.3098	0	0.4055	0.4055	0
$Hz \to t\bar{t}$	0.03797	0.03797	0	2.807	2.807	0
$Hz \to u\bar{u}$	$-4.838 \cdot 10^{-12}$	$-4.838 \cdot 10^{-12}$	0	$9.487 \cdot 10^{-11}$	$9.487 \cdot 10^{-11}$	0
$W^+W^- \to Hb\bar{b}$	$-2.873 \cdot 10^{-7}$	$-2.873 \cdot 10^{-7}$	0	$4.528 \cdot 10^{-6}$	$4.528 \cdot 10^{-6}$	0
$W^+W^- \to Hc\bar{c}$	$4.262 \cdot 10^{-11}$	$4.262 \cdot 10^{-11}$	0	$6.097 \cdot 10^{-11}$	$6.097 \cdot 10^{-11}$	0

	interference			square		
$W^+W^- \to H d\bar{d}$	$-8.516 \cdot 10^{-17}$	$-8.516 \cdot 10^{-17}$	0	$8.514 \cdot 10^{-26}$	$8.514 \cdot 10^{-26}$	0
$W^+W^- \to H t\bar{t}$	$-1.193 \cdot 10^{-6}$	$-1.193 \cdot 10^{-6}$	0	$3.113 \cdot 10^{-5}$	$3.113 \cdot 10^{-5}$	0
$\bar{b}t \to \bar{d}u$	-0.01357	-0.01357	0	0.009061	0.009061	0
$b\bar{b} \to t\bar{t}$	-0.007231	-0.007231	0	0.06801	0.06801	0
$b\bar{b} \to u\bar{u}$	$-1.124 \cdot 10^{-12}$	$-1.124 \cdot 10^{-12}$	0	$3.735 \cdot 10^{-13}$	$3.735 \cdot 10^{-13}$	0
$b\bar{t} \to e^- \bar{\nu}_e$	-0.0004327	-0.0004327	0	0.001226	0.001226	0
$c\bar{c} \to \mu^+ \mu^-$	$-6.045 \cdot 10^{-8}$	$-6.045 \cdot 10^{-8}$	0	$1.383 \cdot 10^{-8}$	$1.383 \cdot 10^{-8}$	0
$c\bar{s} \to \tau^+ \nu_\tau$	$-1.318 \cdot 10^{-7}$	$-1.318 \cdot 10^{-7}$	0	$2.282 \cdot 10^{-7}$	$2.282 \cdot 10^{-7}$	0
$d\bar{d} \to c\bar{c}$	$-1.997 \cdot 10^{-7}$	$-1.997 \cdot 10^{-7}$	0	$3.483 \cdot 10^{-7}$	$3.483 \cdot 10^{-7}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.000495	0.000495	0	0.001515	0.001515	0
$t\bar{t} \to \tau^+ \tau^-$	-0.002763	-0.002763	0	0.001626	0.001626	0
$t\bar{t} \to c\bar{c}$	-0.002236	-0.002236	0	0.004217	0.004217	0
$t\bar{t} \to d\bar{d}$	-0.002297	-0.002297	0	0.007073	0.007073	0
$t\bar{t} \to s\bar{s}$	-0.006047	-0.006047	0	0.005861	0.005861	0
$t\bar{t} \to t\bar{t}$	1.196	1.196	0	0.5694	0.5694	0
$u\bar{d} \to \mu^+ \nu_\mu$	$-1.506 \cdot 10^{-13}$	$-1.506 \cdot 10^{-13}$	0	$3.82 \cdot 10^{-13}$	$3.82 \cdot 10^{-13}$	0
$u\bar{d} \to c\bar{s}$	$-4.175 \cdot 10^{-8}$	$-4.175 \cdot 10^{-8}$	0	$1.22 \cdot 10^{-7}$	$1.22 \cdot 10^{-7}$	0
$u\bar{d} \to u\bar{d}$	$1.345 \cdot 10^{-11}$	$1.345 \cdot 10^{-11}$	0	$5.137 \cdot 10^{-12}$	$5.137 \cdot 10^{-12}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$-4.892 \cdot 10^{-14}$	$-4.892 \cdot 10^{-14}$	0	$3.188 \cdot 10^{-13}$	$3.188 \cdot 10^{-13}$	0
$u\bar{u} \to u\bar{u}$	$-1.616 \cdot 10^{-11}$	$-1.616 \cdot 10^{-11}$	0	$3.037 \cdot 10^{-12}$	$3.037 \cdot 10^{-12}$	0

2.57 cud1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.02877	-0.02877	0	0.5214	0.5214	0
$b\bar{b} \to u\bar{u}$	-0.01157	-0.01157	0	0.2125	0.2125	0
$d\bar{d} \to c\bar{c}$	-0.01753	-0.01753	0	0.322	0.322	0
$t\bar{t} \to d\bar{d}$	-0.0007612	-0.0007612	0	0.006665	0.006665	0

	interference			square		
$t\bar{t} \to s\bar{s}$	−0.00108	−0.00108	0	0.01253	0.01253	0
$u\bar{d} \to u\bar{d}$	0.01125	0.01125	0	0.1322	0.1322	0

2.58   cud8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.3629	0.3629	0	0.1159	0.1159	0
$b\bar{b} \to u\bar{u}$	0.14	0.14	0	0.04723	0.04723	0
$d\bar{d} \to c\bar{c}$	0.212	0.212	0	0.07155	0.07155	0
$t\bar{t} \to d\bar{d}$	0.02404	0.02404	0	0.001481	0.001481	0
$t\bar{t} \to s\bar{s}$	0.0279	0.0279	0	0.002784	0.002784	0
$u\bar{d} \to u\bar{d}$	−0.1368	−0.1368	0	0.02938	0.02938	0

2.59   cuu

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.006663	0.006663	0	0.09321	0.09321	0
$t\bar{t} \to t\bar{t}$	−22.84	−22.84	0	27.12	27.12	0
$u\bar{u} \to u\bar{u}$	−0.009779	−0.009779	0	0.2157	0.2157	0

2.60   cuu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.1422	0.1422	0	0.09321	0.09321	0
$t\bar{t} \to t\bar{t}$	−22.84	−22.84	0	27.12	27.12	0
$u\bar{u} \to u\bar{u}$	−0.009779	−0.009779	0	0.2157	0.2157	0

2.61 sm

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to HH$	0	0	0	0.06636	0.06636	0
$HH \to HHH$	0	0	0	$3.201 \cdot 10^{-7}$	$3.201 \cdot 10^{-7}$	0
$HH \to H\tau^+\tau^-$	0	0	0	$7.195 \cdot 10^{-11}$	$7.195 \cdot 10^{-11}$	0
$HH \to Hb\bar{b}$	0	0	0	$5.398 \cdot 10^{-10}$	$5.398 \cdot 10^{-10}$	0
$HH \to Hs\bar{s}$	0	0	0	$8.829 \cdot 10^{-13}$	$8.829 \cdot 10^{-13}$	0
$HH \to Ht\bar{t}$	0	0	0	$4.201 \cdot 10^{-5}$	$4.201 \cdot 10^{-5}$	0
$HH \to Hu\bar{u}$	0	0	0	$2.926 \cdot 10^{-16}$	$2.926 \cdot 10^{-16}$	0
$HH \to Hzz$	0	0	0	$8.589 \cdot 10^{-6}$	$8.589 \cdot 10^{-6}$	0
$HH \to W^+W^-$	0	0	0	42.73	42.73	0
$HH \to W^+W^-\gamma$	0	0	0	$6.798 \cdot 10^{-7}$	$6.798 \cdot 10^{-7}$	0
$HH \to W^+\bar{t}b$	0	0	0	$9.351 \cdot 10^{-6}$	$9.351 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$3.577 \cdot 10^{-7}$	$3.577 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	0	0	0	$1.285 \cdot 10^{-6}$	$1.285 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	0	0	0	$2.842 \cdot 10^{-7}$	$2.842 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	0	0	0	$3.069 \cdot 10^{-7}$	$3.069 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	0	0	0	$2.911 \cdot 10^{-6}$	$2.911 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	0	0	0	$3.556 \cdot 10^{-7}$	$3.556 \cdot 10^{-7}$	0
$HH \to ze^+e^-$	0	0	0	$4.07 \cdot 10^{-8}$	$4.07 \cdot 10^{-8}$	0
$HH \to zt\bar{t}$	0	0	0	$2.03 \cdot 10^{-6}$	$2.03 \cdot 10^{-6}$	0
$HH \to zz$	0	0	0	0.5565	0.5565	0
$HW^+ \to \gamma t\bar{b}$	0	0	0	$1.736 \cdot 10^{-6}$	$1.736 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	0	0	0	$1.329 \cdot 10^{-7}$	$1.329 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	0	0	0	0.02143	0.02143	0
$HW^- \to \bar{t}b$	0	0	0	0.2021	0.2021	0
$HW^- \to \gamma e^-\bar{\nu}_e$	0	0	0	$1.815 \cdot 10^{-8}$	$1.815 \cdot 10^{-8}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0	0	0	0.007287	0.007287	0

$H\gamma \to b\bar{b}$	0	0	0	0.0001156	0.0001156	0
$H\gamma \to c\bar{c}$	0	0	0	$4.125 \cdot 10^{-5}$	$4.125 \cdot 10^{-5}$	0
$H\gamma \to d\bar{d}$	0	0	0	$1.111 \cdot 10^{-10}$	$1.111 \cdot 10^{-10}$	0
$H\gamma \to e^+e^-$	0	0	0	$1.059 \cdot 10^{-11}$	$1.059 \cdot 10^{-11}$	0
$H\gamma \to t\bar{t}$	0	0	0	0.4176	0.4176	0
$Hz \to \mu^+\mu^-$	0	0	0	0.001318	0.001318	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.003426	0.003426	0
$Hz \to b\bar{b}$	0	0	0	0.0146	0.0146	0
$Hz \to s\bar{s}$	0	0	0	0.01035	0.01035	0
$Hz \to t\bar{t}$	0	0	0	6.666	6.666	0
$Hz \to u\bar{u}$	0	0	0	0.005522	0.005522	0
$W^+W^- \to Hb\bar{b}$	0	0	0	$5.892 \cdot 10^{-5}$	$5.892 \cdot 10^{-5}$	0
$W^+W^- \to Hc\bar{c}$	0	0	0	$6.681 \cdot 10^{-5}$	$6.681 \cdot 10^{-5}$	0
$W^+W^- \to Hd\bar{d}$	0	0	0	$1.767 \cdot 10^{-6}$	$1.767 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	0	0	0	$3.524 \cdot 10^{-5}$	$3.524 \cdot 10^{-5}$	0
$W^+W^- \to W^+W^-$	0	0	0	5.185	5.185	0
$W^+W^- \to \gamma\gamma$	0	0	0	0.7048	0.7048	0
$W^+W^- \to \gamma\gamma\gamma$	0	0	0	$7.018 \cdot 10^{-7}$	$7.018 \cdot 10^{-7}$	0
$\bar{b}t \to \bar{d}u$	0	0	0	0.04517	0.04517	0
$\gamma W^+ \to zW^+$	0	0	0	0.1056	0.1056	0
$\mu^+\mu^- \to \tau^+\tau^-$	0	0	0	0.02927	0.02927	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.09525	0.09525	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0	0	0	$9.512 \cdot 10^{-6}$	$9.512 \cdot 10^{-6}$	0
$b\bar{b} \to \gamma\gamma$	0	0	0	0.000446	0.000446	0
$b\bar{b} \to \mu^+\mu^-$	0	0	0	0.0002678	0.0002678	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0	0	0	0.0001395	0.0001395	0
$b\bar{b} \to b\bar{b}$	0	0	0	2441	2441	0
$b\bar{b} \to d\bar{d}$	0	0	0	0.8286	0.8286	0
$b\bar{b} \to t\bar{t}$	0	0	0	0.5517	0.5517	0

$b\bar{b} \to u\bar{u}$	0	0	0	0.4933	0.4933	0
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.01307	0.01307	0
$c\bar{c} \to \mu^+\mu^-$	0	0	0	0.0007914	0.0007914	0
$c\bar{s} \to \tau^+\nu_\tau$	0	0	0	0.0003362	0.0003362	0
$d\bar{d} \to c\bar{c}$	0	0	0	0.5004	0.5004	0
$d\bar{d} \to e^+e^-$	0	0	0	0.002833	0.002833	0
$e^+\nu_\mu \to e^+\nu_\mu$	0	0	0	0.004615	0.004615	0
$e^+\nu_e \to \mu^+\nu_\mu$	0	0	0	0.01092	0.01092	0
$e^+\nu_e \to e^+\nu_e$	0	0	0	0.01172	0.01172	0
$e^+\tau^- \to e^+\tau^-$	0	0	0	0.6221	0.6221	0
$e^+e^- \to \mu^+\mu^-$	0	0	0	0.01215	0.01215	0
$e^+e^- \to e^+e^-$	0	0	0	0.6532	0.6532	0
$gg \to gg$	0	0	0	54.9	54.9	0
$gg \to ggg$	0	0	0	0.1352	0.1352	0
$gg \to t\bar{t}$	0	0	0	0.3993	0.3993	0
$gg \to u\bar{u}$	0	0	0	1.417	1.417	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.002671	0.002671	0
$s\bar{s} \to s\bar{s}$	0	0	0	2.137	2.137	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.002408	0.002408	0
$t\bar{t} \to \tau^+\tau^-$	0	0	0	0.003715	0.003715	0
$t\bar{t} \to c\bar{c}$	0	0	0	0.9902	0.9902	0
$t\bar{t} \to d\bar{d}$	0	0	0	0.9421	0.9421	0
$t\bar{t} \to s\bar{s}$	0	0	0	0.8927	0.8927	0
$t\bar{t} \to t\bar{t}$	0	0	0	14.94	14.94	0
$u\bar{d} \to \mu^+\nu_\mu$	0	0	0	0.0007516	0.0007516	0
$u\bar{d} \to c\bar{s}$	0	0	0	0.001043	0.001043	0
$u\bar{d} \to u\bar{d}$	0	0	0	2.682	2.682	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0	0	0	0.0005206	0.0005206	0
$u\bar{u} \to u\bar{u}$	0	0	0	30.65	30.65	0

$zz \to W^+W^-$	0	0	0	1106	1106	0
$zz \to zz$	0	0	0	0.07567	0.07567	0