1 By process

1.1 $HH \to HH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	0.418	0.418	0	0.228	0.228	0
cp	-1.261	-1.261	0	2.076	2.076	0
cpDC	-0.1045	-0.1045	0	0.01425	0.01425	0
sm	0	0	0	0.02496	0.02496	0

1.2 $HH \to HHH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	$-3.337 \cdot 10^{-6}$	$-3.337 \cdot 10^{-6}$	0	$4.503 \cdot 10^{-6}$	$4.503 \cdot 10^{-6}$	0
cp	$9.638 \cdot 10^{-6}$	$9.638 \cdot 10^{-6}$	0	$3.757 \cdot 10^{-5}$	$3.757 \cdot 10^{-5}$	0
cpDC	$8.342 \cdot 10^{-7}$	$8.342 \cdot 10^{-7}$	0	$2.815 \cdot 10^{-7}$	$2.815 \cdot 10^{-7}$	0
sm	0	0	0	$7.124 \cdot 10^{-7}$	$7.124 \cdot 10^{-7}$	0

1.3 $HH \to Ht\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	$-1.657 \cdot 10^{-5}$	$-1.657 \cdot 10^{-5}$	0	$6.357 \cdot 10^{-6}$	$6.357 \cdot 10^{-6}$	0
cp	$2.755 \cdot 10^{-5}$	$2.755 \cdot 10^{-5}$	0	$1.753 \cdot 10^{-5}$	$1.753 \cdot 10^{-5}$	0
cpDC	$4.144 \cdot 10^{-6}$	$4.144 \cdot 10^{-6}$	0	$3.973 \cdot 10^{-7}$	$3.973 \cdot 10^{-7}$	0
ctp	$1.411 \cdot 10^{-5}$	$1.411 \cdot 10^{-5}$	0	$4.655 \cdot 10^{-6}$	$4.655 \cdot 10^{-6}$	0
sm	0	0	0	$1.771 \cdot 10^{-5}$	$1.771 \cdot 10^{-5}$	0

1.4 $HH \to Hzz$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
cdp	$-1.398 \cdot 10^{-5}$	$-1.398 \cdot 10^{-5}$	0	$2.93 \cdot 10^{-5}$	$2.93 \cdot 10^{-5}$	0
cp	$6.477 \cdot 10^{-6}$	$6.477 \cdot 10^{-6}$	0	$3.206 \cdot 10^{-5}$	$3.206 \cdot 10^{-5}$	0
cpBB	$-5.033 \cdot 10^{-7}$	$-5.033 \cdot 10^{-7}$	0	$9.984 \cdot 10^{-7}$	$9.984 \cdot 10^{-7}$	0
cpDC	$-5.733 \cdot 10^{-6}$	$-5.733 \cdot 10^{-6}$	0	$2.862 \cdot 10^{-6}$	$2.862 \cdot 10^{-6}$	0
cpW	$-1.65 \cdot 10^{-6}$	$-1.65 \cdot 10^{-6}$	0	$1.073 \cdot 10^{-5}$	$1.073 \cdot 10^{-5}$	0
cpWB	$-9.114 \cdot 10^{-7}$	$-9.114 \cdot 10^{-7}$	0	$3.274 \cdot 10^{-6}$	$3.274 \cdot 10^{-6}$	0
sm	0	0	0	$7.026 \cdot 10^{-6}$	$7.026 \cdot 10^{-6}$	0

1.5 $HH \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
cdp	-1.451	-1.451	0	3.844	3.844	0
cp	0.2741	0.2741	0	0.1331	0.1331	0
cpDC	0.3627	0.3627	0	0.2402	0.2402	0
cpW	0.01965	0.01965	0	8.275	8.275	0
sm	0	0	0	19.49	19.49	0

1.6 $HH \to W^+W^-\gamma$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
cWWW	$-1.277 \cdot 10^{-6}$	$-1.277 \cdot 10^{-6}$	0	$9.141 \cdot 10^{-6}$	$9.141 \cdot 10^{-6}$	0
cdp	$-1.46 \cdot 10^{-6}$	$-1.46 \cdot 10^{-6}$	0	$5.124 \cdot 10^{-6}$	$5.124 \cdot 10^{-6}$	0
cp	$2.863 \cdot 10^{-7}$	$2.863 \cdot 10^{-7}$	0	$1.756 \cdot 10^{-7}$	$1.756 \cdot 10^{-7}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpBB	$1.145 \cdot 10^{-6}$	$1.145 \cdot 10^{-6}$	0		$2.377 \cdot 10^{-6}$	$2.377 \cdot 10^{-6}$	0
cpDC	$3.181 \cdot 10^{-7}$	$3.181 \cdot 10^{-7}$	0		$3.033 \cdot 10^{-7}$	$3.033 \cdot 10^{-7}$	0
cpW	$4.311 \cdot 10^{-6}$	$4.311 \cdot 10^{-6}$	0		0.0002901	0.0002901	0
cpWB	$-2.056 \cdot 10^{-6}$	$-2.056 \cdot 10^{-6}$	0		$3.785 \cdot 10^{-5}$	$3.785 \cdot 10^{-5}$	0
sm	0	0	0		$5.079 \cdot 10^{-5}$	$5.079 \cdot 10^{-5}$	0

1.7 $HH \to W^+ \bar{t} b$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	$-2.505 \cdot 10^{-5}$	$-2.505 \cdot 10^{-5}$	0		$1.453 \cdot 10^{-5}$	$1.453 \cdot 10^{-5}$	0
cp	$5.201 \cdot 10^{-6}$	$5.201 \cdot 10^{-6}$	0		$5.559 \cdot 10^{-7}$	$5.559 \cdot 10^{-7}$	0
cpDC	$6.262 \cdot 10^{-6}$	$6.262 \cdot 10^{-6}$	0		$9.084 \cdot 10^{-7}$	$9.084 \cdot 10^{-7}$	0
cpQ3	$9.969 \cdot 10^{-6}$	$9.969 \cdot 10^{-6}$	0		$1.821 \cdot 10^{-6}$	$1.821 \cdot 10^{-6}$	0
cpW	$-3.577 \cdot 10^{-6}$	$-3.577 \cdot 10^{-6}$	0		$1.159 \cdot 10^{-5}$	$1.159 \cdot 10^{-5}$	0
ctW	$1.219 \cdot 10^{-5}$	$1.219 \cdot 10^{-5}$	0		$2.728 \cdot 10^{-6}$	$2.728 \cdot 10^{-6}$	0
ctp	$4.398 \cdot 10^{-6}$	$4.398 \cdot 10^{-6}$	0		$2.242 \cdot 10^{-6}$	$2.242 \cdot 10^{-6}$	0
sm	0	0	0		0.0001165	0.0001165	0

1.8 $HH \to W^+ e^- \bar{\nu}_e$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	$2.391 \cdot 10^{-7}$	$2.391 \cdot 10^{-7}$	0		$1.263 \cdot 10^{-8}$	$1.263 \cdot 10^{-8}$	0
cp	$7.849 \cdot 10^{-9}$	$7.849 \cdot 10^{-9}$	0		$2.489 \cdot 10^{-11}$	$2.489 \cdot 10^{-11}$	0
cpDC	$-5.977 \cdot 10^{-8}$	$-5.977 \cdot 10^{-8}$	0		$7.895 \cdot 10^{-10}$	$7.895 \cdot 10^{-10}$	0
cpW	$6.102 \cdot 10^{-7}$	$6.102 \cdot 10^{-7}$	0		$5.121 \cdot 10^{-7}$	$5.121 \cdot 10^{-7}$	0
sm	0	0	0		$9.919 \cdot 10^{-7}$	$9.919 \cdot 10^{-7}$	0

1.9 $HH \to W^- u\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cdp	$1.223 \cdot 10^{-7}$	$1.223 \cdot 10^{-7}$	0	$1.293 \cdot 10^{-8}$	$1.293 \cdot 10^{-8}$	0
cp	$5.645 \cdot 10^{-9}$	$5.645 \cdot 10^{-9}$	0	$2.448 \cdot 10^{-10}$	$2.448 \cdot 10^{-10}$	0
cpDC	$-3.057 \cdot 10^{-8}$	$-3.057 \cdot 10^{-8}$	0	$8.084 \cdot 10^{-10}$	$8.084 \cdot 10^{-10}$	0
cpW	$8.53 \cdot 10^{-7}$	$8.53 \cdot 10^{-7}$	0	$1.389 \cdot 10^{-6}$	$1.389 \cdot 10^{-6}$	0
cpq3i	$7.216 \cdot 10^{-6}$	$7.216 \cdot 10^{-6}$	0	$2.059 \cdot 10^{-5}$	$2.059 \cdot 10^{-5}$	0
sm	0	0	0	$1.329 \cdot 10^{-6}$	$1.329 \cdot 10^{-6}$	0

1.10 $HH \to z\bar{b}b$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cdp	$-6.116 \cdot 10^{-6}$	$-6.116 \cdot 10^{-6}$	0	$2.498 \cdot 10^{-5}$	$2.498 \cdot 10^{-5}$	0
cp	$1.278 \cdot 10^{-6}$	$1.278 \cdot 10^{-6}$	0	$8.525 \cdot 10^{-7}$	$8.525 \cdot 10^{-7}$	0
cpBB	$1.437 \cdot 10^{-6}$	$1.437 \cdot 10^{-6}$	0	$6.581 \cdot 10^{-6}$	$6.581 \cdot 10^{-6}$	0
cpDC	$-3.127 \cdot 10^{-6}$	$-3.127 \cdot 10^{-6}$	0	$5.759 \cdot 10^{-6}$	$5.759 \cdot 10^{-6}$	0
cpQ3	$2.897 \cdot 10^{-6}$	$2.897 \cdot 10^{-6}$	0	$5.771 \cdot 10^{-7}$	$5.771 \cdot 10^{-7}$	0
cpQM	$1.448 \cdot 10^{-6}$	$1.448 \cdot 10^{-6}$	0	$1.443 \cdot 10^{-7}$	$1.443 \cdot 10^{-7}$	0
cpW	$7.167 \cdot 10^{-6}$	$7.167 \cdot 10^{-6}$	0	0.0001262	0.0001262	0
cpWB	$3.4 \cdot 10^{-6}$	$3.4 \cdot 10^{-6}$	0	$2.61 \cdot 10^{-5}$	$2.61 \cdot 10^{-5}$	0
cpd	$-2.687 \cdot 10^{-7}$	$-2.687 \cdot 10^{-7}$	0	$1.45 \cdot 10^{-7}$	$1.45 \cdot 10^{-7}$	0
sm	0	0	0	$3.073 \cdot 10^{-7}$	$3.073 \cdot 10^{-7}$	0

1.11 $HH \to z\nu_e\bar{\nu}_e$

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	$-8.796 \cdot 10^{-8}$	$-8.796 \cdot 10^{-8}$	0		$3.722 \cdot 10^{-6}$	$3.722 \cdot 10^{-6}$	0
cp	$3.718 \cdot 10^{-8}$	$3.718 \cdot 10^{-8}$	0		$1.237 \cdot 10^{-7}$	$1.237 \cdot 10^{-7}$	0
cpBB	$2.511 \cdot 10^{-7}$	$2.511 \cdot 10^{-7}$	0		$1.114 \cdot 10^{-6}$	$1.114 \cdot 10^{-6}$	0
cpDC	$-8.286 \cdot 10^{-8}$	$-8.286 \cdot 10^{-8}$	0		$8.479 \cdot 10^{-7}$	$8.479 \cdot 10^{-7}$	0
cpW	$8.233 \cdot 10^{-7}$	$8.233 \cdot 10^{-7}$	0		$1.197 \cdot 10^{-5}$	$1.197 \cdot 10^{-5}$	0
cpWB	$4.546 \cdot 10^{-7}$	$4.546 \cdot 10^{-7}$	0		$3.651 \cdot 10^{-6}$	$3.651 \cdot 10^{-6}$	0
sm	0	0	0		$8.136 \cdot 10^{-8}$	$8.136 \cdot 10^{-8}$	0

1.12 $HH \to zc\bar{c}$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	$-1.293 \cdot 10^{-5}$	$-1.293 \cdot 10^{-5}$	0		$4.394 \cdot 10^{-6}$	$4.394 \cdot 10^{-6}$	0
cp	$2.843 \cdot 10^{-6}$	$2.843 \cdot 10^{-6}$	0		$2.026 \cdot 10^{-7}$	$2.026 \cdot 10^{-7}$	0
cpBB	$6.719 \cdot 10^{-7}$	$6.719 \cdot 10^{-7}$	0		$5.375 \cdot 10^{-6}$	$5.375 \cdot 10^{-6}$	0
cpDC	$-6.661 \cdot 10^{-6}$	$-6.661 \cdot 10^{-6}$	0		$1.173 \cdot 10^{-6}$	$1.173 \cdot 10^{-6}$	0
cpW	$7.22 \cdot 10^{-6}$	$7.22 \cdot 10^{-6}$	0		$3.827 \cdot 10^{-5}$	$3.827 \cdot 10^{-5}$	0
cpWB	$3.101 \cdot 10^{-6}$	$3.101 \cdot 10^{-6}$	0		$6.904 \cdot 10^{-6}$	$6.904 \cdot 10^{-6}$	0
cpqMi	$-8.179 \cdot 10^{-6}$	$-8.179 \cdot 10^{-6}$	0		$1.814 \cdot 10^{-6}$	$1.814 \cdot 10^{-6}$	0
cpu	$3.726 \cdot 10^{-6}$	$3.726 \cdot 10^{-6}$	0		$1.825 \cdot 10^{-6}$	$1.825 \cdot 10^{-6}$	0
sm	0	0	0		$5.19 \cdot 10^{-8}$	$5.19 \cdot 10^{-8}$	0

1.13 $HH \to zd\bar{d}$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	$1.857 \cdot 10^{-8}$	$1.857 \cdot 10^{-8}$	0		$1.952 \cdot 10^{-8}$	$1.952 \cdot 10^{-8}$	0
cp	$4.235 \cdot 10^{-8}$	$4.235 \cdot 10^{-8}$	0		$1.075 \cdot 10^{-9}$	$1.075 \cdot 10^{-9}$	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cpBB	$1.177 \cdot 10^{-7}$	$1.177 \cdot 10^{-7}$	0	$1.263 \cdot 10^{-7}$	$1.263 \cdot 10^{-7}$	0
cpDC	$-4.954 \cdot 10^{-8}$	$-4.954 \cdot 10^{-8}$	0	$5.461 \cdot 10^{-9}$	$5.461 \cdot 10^{-9}$	0
cpW	$1.027 \cdot 10^{-6}$	$1.027 \cdot 10^{-6}$	0	$2.435 \cdot 10^{-6}$	$2.435 \cdot 10^{-6}$	0
cpWB	$4.234 \cdot 10^{-7}$	$4.234 \cdot 10^{-7}$	0	$4.163 \cdot 10^{-7}$	$4.163 \cdot 10^{-7}$	0
cpd	$-1.132 \cdot 10^{-6}$	$-1.132 \cdot 10^{-6}$	0	$9.386 \cdot 10^{-6}$	$9.386 \cdot 10^{-6}$	0
cpq3i	$1.228 \cdot 10^{-5}$	$1.228 \cdot 10^{-5}$	0	$3.76 \cdot 10^{-5}$	$3.76 \cdot 10^{-5}$	0
cpqMi	$6.14 \cdot 10^{-6}$	$6.14 \cdot 10^{-6}$	0	$9.399 \cdot 10^{-6}$	$9.399 \cdot 10^{-6}$	0
sm	0	0	0	$2.207 \cdot 10^{-6}$	$2.207 \cdot 10^{-6}$	0

1.14 $HH \to z e^+ e^-$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cdp	$2.189 \cdot 10^{-8}$	$2.189 \cdot 10^{-8}$	0	$1.587 \cdot 10^{-9}$	$1.587 \cdot 10^{-9}$	0
cp	$1.312 \cdot 10^{-9}$	$1.312 \cdot 10^{-9}$	0	$2.305 \cdot 10^{-11}$	$2.305 \cdot 10^{-11}$	0
cpBB	$3.383 \cdot 10^{-8}$	$3.383 \cdot 10^{-8}$	0	$1.599 \cdot 10^{-7}$	$1.599 \cdot 10^{-7}$	0
cpDC	$1.648 \cdot 10^{-9}$	$1.648 \cdot 10^{-9}$	0	$1.166 \cdot 10^{-9}$	$1.166 \cdot 10^{-9}$	0
cpW	$1.496 \cdot 10^{-7}$	$1.496 \cdot 10^{-7}$	0	$3.311 \cdot 10^{-7}$	$3.311 \cdot 10^{-7}$	0
cpWB	$7.352 \cdot 10^{-8}$	$7.352 \cdot 10^{-8}$	0	$9.442 \cdot 10^{-8}$	$9.442 \cdot 10^{-8}$	0
sm	0	0	0	$3.058 \cdot 10^{-7}$	$3.058 \cdot 10^{-7}$	0

1.15 $HH \to z t \bar{t}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cdp	-0.0009327	-0.0009327	0	$5.388 \cdot 10^{-5}$	$5.388 \cdot 10^{-5}$	0
cp	0.0002614	0.0002614	0	$2.553 \cdot 10^{-6}$	$2.553 \cdot 10^{-6}$	0
cpBB	$-4.731 \cdot 10^{-5}$	$-4.731 \cdot 10^{-5}$	0	$1.935 \cdot 10^{-5}$	$1.935 \cdot 10^{-5}$	0
cpDC	-0.001142	-0.001142	0	$5.237 \cdot 10^{-5}$	$5.237 \cdot 10^{-5}$	0

	mod1	mod2		mod1	mod2	
cpQM	$9.885 \cdot 10^{-5}$	$9.885 \cdot 10^{-5}$	0	$8.445 \cdot 10^{-5}$	$8.445 \cdot 10^{-5}$	0
cpW	-0.0003308	-0.0003308	0	0.0001527	0.0001527	0
cpWB	$-9.45 \cdot 10^{-5}$	$-9.45 \cdot 10^{-5}$	0	$4.588 \cdot 10^{-5}$	$4.588 \cdot 10^{-5}$	0
cpt	$-4.043 \cdot 10^{-5}$	$-4.043 \cdot 10^{-5}$	0	$8.438 \cdot 10^{-5}$	$8.438 \cdot 10^{-5}$	0
ctW	$-2.156 \cdot 10^{-10}$	0	1	$5.026 \cdot 10^{-16}$	0	1
ctZ	-0.0001785	-0.0001785	$-1.065 \cdot 10^{-6}$	0.0003444	0.0003444	$-2.207 \cdot 10^{-6}$
ctp	-0.0001577	-0.0001577	0	$3.633 \cdot 10^{-6}$	$3.633 \cdot 10^{-6}$	0
sm	0	0	0	$3.159 \cdot 10^{-6}$	$3.159 \cdot 10^{-6}$	0

1.16 $HH \to zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	-5.633	-5.633	0	1.216	1.216	0
cp	1.319	1.319	0	0.06606	0.06606	0
cpBB	0.05812	0.05812	0	0.2891	0.2891	0
cpDC	-3.051	-3.051	0	0.3549	0.3549	0
cpW	0.1906	0.1906	0	3.109	3.109	0
cpWB	0.1053	0.1053	0	0.9481	0.9481	0
sm	0	0	0	0.2788	0.2788	0

1.17 $HW^+ \to \gamma t\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cWWW	$-4.366 \cdot 10^{-7}$	$-4.366 \cdot 10^{-7}$	0	$2.675 \cdot 10^{-6}$	$2.675 \cdot 10^{-6}$	0
cdp	$6.681 \cdot 10^{-7}$	$6.681 \cdot 10^{-7}$	0	$2.025 \cdot 10^{-8}$	$2.025 \cdot 10^{-8}$	0
cpBB	$-6.781 \cdot 10^{-7}$	$-6.781 \cdot 10^{-7}$	0	$1.647 \cdot 10^{-7}$	$1.647 \cdot 10^{-7}$	0
cpDC	$-7.148 \cdot 10^{-7}$	$-7.148 \cdot 10^{-7}$	0	$2.318 \cdot 10^{-8}$	$2.318 \cdot 10^{-8}$	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cpQ3	$-2.031 \cdot 10^{-6}$	$-2.031 \cdot 10^{-6}$	0	$1.238 \cdot 10^{-6}$	$1.238 \cdot 10^{-6}$	0
cpW	$-1.568 \cdot 10^{-7}$	$-1.568 \cdot 10^{-7}$	0	$1.976 \cdot 10^{-7}$	$1.976 \cdot 10^{-7}$	0
cpWB	$-1.645 \cdot 10^{-6}$	$-1.645 \cdot 10^{-6}$	0	$1.21 \cdot 10^{-6}$	$1.21 \cdot 10^{-6}$	0
ctW	$-2.528 \cdot 10^{-6}$	$-2.528 \cdot 10^{-6}$	$-1.305 \cdot 10^{-6}$	$3.893 \cdot 10^{-5}$	$3.893 \cdot 10^{-5}$	$-2.055 \cdot 10^{-6}$
ctZ	$2.793 \cdot 10^{-6}$	$2.793 \cdot 10^{-6}$	$-1.074 \cdot 10^{-6}$	$2.969 \cdot 10^{-5}$	$2.969 \cdot 10^{-5}$	$-2.189 \cdot 10^{-6}$
ctp	$-2.204 \cdot 10^{-7}$	$-2.204 \cdot 10^{-7}$	0	$4.698 \cdot 10^{-8}$	$4.698 \cdot 10^{-8}$	0
sm	0	0	0	$9.535 \cdot 10^{-6}$	$9.535 \cdot 10^{-6}$	0

1.18 $HW^+ \to \gamma u\bar{d}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cWWW	$-4.12 \cdot 10^{-9}$	$-4.12 \cdot 10^{-9}$	0	$1.259 \cdot 10^{-8}$	$1.259 \cdot 10^{-8}$	0
cdp	$1.098 \cdot 10^{-9}$	$1.098 \cdot 10^{-9}$	0	$3.328 \cdot 10^{-11}$	$3.328 \cdot 10^{-11}$	0
cpBB	$1.714 \cdot 10^{-8}$	$1.714 \cdot 10^{-8}$	0	$1.734 \cdot 10^{-8}$	$1.734 \cdot 10^{-8}$	0
cpDC	$-1.174 \cdot 10^{-9}$	$-1.174 \cdot 10^{-9}$	0	$3.808 \cdot 10^{-11}$	$3.808 \cdot 10^{-11}$	0
cpW	$5.896 \cdot 10^{-9}$	$5.896 \cdot 10^{-9}$	0	$3.486 \cdot 10^{-8}$	$3.486 \cdot 10^{-8}$	0
cpWB	$5.156 \cdot 10^{-8}$	$5.156 \cdot 10^{-8}$	0	$2.481 \cdot 10^{-7}$	$2.481 \cdot 10^{-7}$	0
cpq3i	$1.447 \cdot 10^{-7}$	$1.447 \cdot 10^{-7}$	0	$5.782 \cdot 10^{-7}$	$5.782 \cdot 10^{-7}$	0
sm	0	0	0	$3.834 \cdot 10^{-7}$	$3.834 \cdot 10^{-7}$	0

1.19 $HW^+ \to u\bar{d}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cdp	0.0002462	0.0002462	0	$7.463 \cdot 10^{-6}$	$7.463 \cdot 10^{-6}$	0
cpDC	$-6.155 \cdot 10^{-5}$	$-6.155 \cdot 10^{-5}$	0	$4.665 \cdot 10^{-7}$	$4.665 \cdot 10^{-7}$	0
cpW	0.02126	0.02126	0	0.1012	0.1012	0
cpq3i	0.03864	0.03864	0	0.1838	0.1838	0

| sm | 0 | 0 | 0 | 0.02224 | 0.02224 | 0 |

1.20 $HW^- \to \bar{t}b$

| | interference | | | square | | |
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cdp	0.01078	0.01078	0	0.0003267	0.0003267	0
cpDC	-0.002694	-0.002694	0	$2.042 \cdot 10^{-5}$	$2.042 \cdot 10^{-5}$	0
cpQ3	-0.4097	-0.4097	0	0.7585	0.7585	0
cpW	-0.06915	-0.06915	0	0.0877	0.0877	0
ctW	-0.2894	-0.2894	0	1.311	1.311	0
ctp	0.09384	0.09384	0	0.0521	0.0521	0
sm	0	0	0	5.933	5.933	0

1.21 $HW^- \to \gamma e^- \bar{\nu}_e$

| | interference | | | square | | |
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cWWW	$-3.338 \cdot 10^{-8}$	$-3.338 \cdot 10^{-8}$	0	$1.712 \cdot 10^{-9}$	$1.712 \cdot 10^{-9}$	0
cdp	$8.887 \cdot 10^{-8}$	$8.887 \cdot 10^{-8}$	0	$2.694 \cdot 10^{-9}$	$2.694 \cdot 10^{-9}$	0
cpBB	$-3.435 \cdot 10^{-8}$	$-3.435 \cdot 10^{-8}$	0	$1.027 \cdot 10^{-8}$	$1.027 \cdot 10^{-8}$	0
cpDC	$-9.507 \cdot 10^{-8}$	$-9.507 \cdot 10^{-8}$	0	$3.083 \cdot 10^{-9}$	$3.083 \cdot 10^{-9}$	0
cpW	$6.494 \cdot 10^{-7}$	$6.494 \cdot 10^{-7}$	0	$2.882 \cdot 10^{-6}$	$2.882 \cdot 10^{-6}$	0
cpWB	$-3.873 \cdot 10^{-8}$	$-3.873 \cdot 10^{-8}$	0	$2.671 \cdot 10^{-8}$	$2.671 \cdot 10^{-8}$	0
sm	0	0	0	$2.195 \cdot 10^{-8}$	$2.195 \cdot 10^{-8}$	0

1.22 $HW^- \to \mu^- \bar{\nu}_\mu$

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	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cdp	0.0002202	0.0002202	0		$6.676 \cdot 10^{-6}$	$6.676 \cdot 10^{-6}$	0
cpDC	$-5.506 \cdot 10^{-5}$	$-5.506 \cdot 10^{-5}$	0		$4.172 \cdot 10^{-7}$	$4.172 \cdot 10^{-7}$	0
cpW	0.006521	0.006521	0		0.03102	0.03102	0
sm	0	0	0		0.005799	0.005799	0

1.23 $H\gamma \to b\bar{b}$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cpBB	0	0	0		0.009843	0.009843	0
cpDC	0	0	0		0	$2.101 \cdot 10^{-38}$	∞
cpW	0	0	0		0.01776	0.01776	0
cpWB	0	0	0		0.0123	0.0123	0

1.24 $H\gamma \to c\bar{c}$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cpBB	0	0	0		0.01778	0.01778	0
cpDC	0	0	0		0	$8.737 \cdot 10^{-39}$	∞
cpW	0	0	0		0.009509	0.009509	0
cpWB	0	0	0		0.01068	0.01068	0

1.25 $H\gamma \to d\bar{d}$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpBB	0	0	0		0.007019	0.007019	0
cpDC	0	0	0		0	$1.498 \cdot 10^{-38}$	∞
cpW	0	0	0		0.01267	0.01267	0
cpWB	0	0	0		0.008772	0.008772	0

1.26 $H\gamma \to e^+ e^-$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpBB	0	0	0		0.01597	0.01597	0
cpDC	0	0	0		0	$2.607 \cdot 10^{-39}$	∞
cpW	0	0	0		0.003218	0.003218	0
cpWB	0	0	0		0.005437	0.005437	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	0.4363	0.4363	0		0.01323	0.01323	0
cpBB	-0.5524	-0.5524	0		0.0324	0.0324	0
cpDC	-0.4668	-0.4668	0		0.01514	0.01514	0
cpW	-0.3331	-0.3331	0		0.01682	0.01682	0
cpWB	-0.336	-0.336	0		0.0132	0.0132	0
ctW	-4.417	-4.417	$-1.041 \cdot 10^{-6}$		2.183	2.183	$-2.107 \cdot 10^{-6}$
ctZ	3.867	3.867	$-1.086 \cdot 10^{-6}$		1.673	1.673	$-2.152 \cdot 10^{-6}$
ctp	-0.4417	-0.4417	0		0.01355	0.01355	0
sm	0	0	0		1.407	1.407	0

1.28 $Hz \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cdp	0.0002612	0.0002612	0	$7.917 \cdot 10^{-6}$	$7.917 \cdot 10^{-6}$	0
cpBB	0.0003999	0.0003999	0	0.004162	0.004162	0
cpDC	$2.599 \cdot 10^{-5}$	$2.599 \cdot 10^{-5}$	0	$1.852 \cdot 10^{-5}$	$1.852 \cdot 10^{-5}$	0
cpW	0.001732	0.001732	0	0.009018	0.009018	0
cpWB	0.000869	0.000869	0	0.002679	0.002679	0
sm	0	0	0	0.003206	0.003206	0

1.29 $Hz \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cdp	0.0004403	0.0004403	0	$1.335 \cdot 10^{-5}$	$1.335 \cdot 10^{-5}$	0
cpBB	0.001069	0.001069	0	0.0009111	0.0009111	0
cpDC	$2.593 \cdot 10^{-18}$	$-1.899 \cdot 10^{-19}$	1.073	$5.162 \cdot 10^{-34}$	$1.09 \cdot 10^{-35}$	0.9789
cpW	0.003507	0.003507	0	0.009796	0.009796	0
cpWB	0.001937	0.001937	0	0.002987	0.002987	0
sm	0	0	0	0.002483	0.002483	0

1.30 $Hz \to b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cdp	0.001092	0.001092	0	$3.309 \cdot 10^{-5}$	$3.309 \cdot 10^{-5}$	0
cpBB	0.001178	0.001178	0	0.001429	0.001429	0
cpDC	0.0002605	0.0002605	0	$5.86 \cdot 10^{-6}$	$5.86 \cdot 10^{-6}$	0

	interference				square		
cpQ3	0.3027	0.3027	0		2.632	2.632	0
cpQM	0.1514	0.1514	0		0.6579	0.6579	0
cpW	0.00839	0.00839	0		0.02772	0.02772	0
cpWB	0.003671	0.003671	0		0.004756	0.004756	0
cpd	-0.02794	-0.02794	0		0.6579	0.6579	0
sm	0	0	0		0.01278	0.01278	0

1.31 $Hz \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	0.001758	0.001758	0	$5.33 \cdot 10^{-5}$	$5.33 \cdot 10^{-5}$	0
cpBB	0.0008456	0.0008456	0	0.001026	0.001026	0
cpDC	0.0004196	0.0004196	0	$9.438 \cdot 10^{-6}$	$9.438 \cdot 10^{-6}$	0
cpW	0.006024	0.006024	0	0.0199	0.0199	0
cpWB	0.002892	0.002892	0	0.003421	0.003421	0
cpd	-0.04471	-0.04471	0	1.046	1.046	0
cpq3i	0.4845	0.4845	0	4.184	4.184	0
cpqMi	0.2422	0.2422	0	1.046	1.046	0
sm	0	0	0	0.01227	0.01227	0

1.32 $Hz \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	0.2568	0.2568	0	0.007785	0.007785	0
cpBB	-0.01321	-0.01321	0	0.005127	0.005127	0
cpDC	0.01187	0.01187	0	0.01734	0.01734	0
cpQM	2.071	2.071	0	1.276	1.276	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpW	-0.05277	-0.05277	0	0.02832	0.02832	0
cpWB	-0.01278	-0.01278	0	0.005853	0.005853	0
cpt	-2.198	-2.198	0	1.276	1.276	0
ctW	$-5.767 \cdot 10^{-8}$	0	1	$4.884 \cdot 10^{-12}$	0	1
ctZ	-0.04774	-0.04774	$-1.089 \cdot 10^{-6}$	3.347	3.347	$-2.181 \cdot 10^{-6}$
ctp	-0.00116	-0.00116	0	0.06839	0.06839	0
sm	0	0	0	2.201	2.201	0

1.33 $Hz \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cdp	0.001279	0.001279	0	$3.877 \cdot 10^{-5}$	$3.877 \cdot 10^{-5}$	0
cpBB	0.0004388	0.0004388	0	0.003677	0.003677	0
cpDC	0.0004312	0.0004312	0	$3.544 \cdot 10^{-5}$	$3.544 \cdot 10^{-5}$	0
cpW	0.005228	0.005228	0	0.02114	0.02114	0
cpWB	0.002317	0.002317	0	0.003583	0.003583	0
cpqMi	-0.1854	-0.1854	0	0.982	0.982	0
cpu	0.08394	0.08394	0	0.982	0.982	0
sm	0	0	0	0.006547	0.006547	0

1.34 $W^+W^- \to Hb\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cWWW	$4.801 \cdot 10^{-6}$	$4.801 \cdot 10^{-6}$	0	$1.558 \cdot 10^{-7}$	$1.558 \cdot 10^{-7}$	0
cdp	$8.543 \cdot 10^{-6}$	$8.543 \cdot 10^{-6}$	0	$2.59 \cdot 10^{-7}$	$2.59 \cdot 10^{-7}$	0
cpBB	$-3.197 \cdot 10^{-8}$	$-3.197 \cdot 10^{-8}$	0	$1.814 \cdot 10^{-11}$	$1.814 \cdot 10^{-11}$	0
cpDC	$-2.263 \cdot 10^{-6}$	$-2.263 \cdot 10^{-6}$	0	$1.817 \cdot 10^{-8}$	$1.817 \cdot 10^{-8}$	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cpQ3	$-1.37 \cdot 10^{-5}$	$-1.37 \cdot 10^{-5}$	0	$7.892 \cdot 10^{-7}$	$7.892 \cdot 10^{-7}$	0
cpQM	$-2.866 \cdot 10^{-6}$	$-2.866 \cdot 10^{-6}$	0	$8.167 \cdot 10^{-8}$	$8.167 \cdot 10^{-8}$	0
cpW	$-1.164 \cdot 10^{-5}$	$-1.164 \cdot 10^{-5}$	0	$8.676 \cdot 10^{-7}$	$8.676 \cdot 10^{-7}$	0
cpWB	$-8.605 \cdot 10^{-7}$	$-8.605 \cdot 10^{-7}$	0	$1.284 \cdot 10^{-8}$	$1.284 \cdot 10^{-8}$	0
cpd	$-6.48 \cdot 10^{-9}$	$-6.48 \cdot 10^{-9}$	0	$8.169 \cdot 10^{-8}$	$8.169 \cdot 10^{-8}$	0
ctW	$4.859 \cdot 10^{-6}$	$4.859 \cdot 10^{-6}$	0	$3.37 \cdot 10^{-7}$	$3.37 \cdot 10^{-7}$	0
ctp	$7.881 \cdot 10^{-7}$	$7.881 \cdot 10^{-7}$	0	$2.852 \cdot 10^{-8}$	$2.852 \cdot 10^{-8}$	0
sm	0	0	0	$5.397 \cdot 10^{-6}$	$5.397 \cdot 10^{-6}$	0

1.35 $W^+W^- \to Hc\bar{c}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cWWW	$1.011 \cdot 10^{-6}$	$1.011 \cdot 10^{-6}$	0	$5.357 \cdot 10^{-7}$	$5.357 \cdot 10^{-7}$	0
cdp	$1.502 \cdot 10^{-7}$	$1.502 \cdot 10^{-7}$	0	$4.554 \cdot 10^{-9}$	$4.554 \cdot 10^{-9}$	0
cpBB	$5.216 \cdot 10^{-9}$	$5.216 \cdot 10^{-9}$	0	$3.716 \cdot 10^{-10}$	$3.716 \cdot 10^{-10}$	0
cpDC	$-5.858 \cdot 10^{-8}$	$-5.858 \cdot 10^{-8}$	0	$9.409 \cdot 10^{-10}$	$9.409 \cdot 10^{-10}$	0
cpW	$-3.742 \cdot 10^{-7}$	$-3.742 \cdot 10^{-7}$	0	$4.057 \cdot 10^{-7}$	$4.057 \cdot 10^{-7}$	0
cpWB	$4.302 \cdot 10^{-8}$	$4.302 \cdot 10^{-8}$	0	$5.384 \cdot 10^{-8}$	$5.384 \cdot 10^{-8}$	0
cpq3i	$-1.921 \cdot 10^{-6}$	$-1.921 \cdot 10^{-6}$	0	$2.379 \cdot 10^{-6}$	$2.379 \cdot 10^{-6}$	0
cpqMi	$-1.221 \cdot 10^{-7}$	$-1.221 \cdot 10^{-7}$	0	$2.264 \cdot 10^{-7}$	$2.264 \cdot 10^{-7}$	0
cpu	$4.452 \cdot 10^{-8}$	$4.452 \cdot 10^{-8}$	0	$2.271 \cdot 10^{-7}$	$2.271 \cdot 10^{-7}$	0
sm	0	0	0	$8.691 \cdot 10^{-7}$	$8.691 \cdot 10^{-7}$	0

1.36 $W^+W^- \to Hd\bar{d}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cWWW	$3.384 \cdot 10^{-7}$	$3.384 \cdot 10^{-7}$	0	$2.248 \cdot 10^{-6}$	$2.248 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cdp	$3.531 \cdot 10^{-7}$	$3.531 \cdot 10^{-7}$	0	$1.07 \cdot 10^{-8}$	$1.07 \cdot 10^{-8}$	0
cpBB	$-2.696 \cdot 10^{-8}$	$-2.696 \cdot 10^{-8}$	0	$3.154 \cdot 10^{-10}$	$3.154 \cdot 10^{-10}$	0
cpDC	$-2.381 \cdot 10^{-7}$	$-2.381 \cdot 10^{-7}$	0	$5.522 \cdot 10^{-9}$	$5.522 \cdot 10^{-9}$	0
cpW	$-2.997 \cdot 10^{-7}$	$-2.997 \cdot 10^{-7}$	0	$1.854 \cdot 10^{-7}$	$1.854 \cdot 10^{-7}$	0
cpWB	$-1.855 \cdot 10^{-7}$	$-1.855 \cdot 10^{-7}$	0	$5.966 \cdot 10^{-8}$	$5.966 \cdot 10^{-8}$	0
cpd	$-4.284 \cdot 10^{-8}$	$-4.284 \cdot 10^{-8}$	0	$1.416 \cdot 10^{-7}$	$1.416 \cdot 10^{-7}$	0
cpq3i	$1.278 \cdot 10^{-8}$	$1.278 \cdot 10^{-8}$	0	$4.53 \cdot 10^{-6}$	$4.53 \cdot 10^{-6}$	0
cpqMi	$9.172 \cdot 10^{-7}$	$9.172 \cdot 10^{-7}$	0	$1.42 \cdot 10^{-7}$	$1.42 \cdot 10^{-7}$	0
sm	0	0	0	$2.971 \cdot 10^{-6}$	$2.971 \cdot 10^{-6}$	0

1.37 $W^+W^- \to Ht\bar{t}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cWWW	$1.184 \cdot 10^{-7}$	$1.184 \cdot 10^{-7}$	0	$5.133 \cdot 10^{-6}$	$5.133 \cdot 10^{-6}$	0
cdp	$-2.144 \cdot 10^{-6}$	$-2.144 \cdot 10^{-6}$	0	$5.105 \cdot 10^{-6}$	$5.105 \cdot 10^{-6}$	0
cp	$2.179 \cdot 10^{-7}$	$2.179 \cdot 10^{-7}$	0	$3.575 \cdot 10^{-8}$	$3.575 \cdot 10^{-8}$	0
cpBB	$-1.844 \cdot 10^{-8}$	$-1.844 \cdot 10^{-8}$	0	$2.866 \cdot 10^{-10}$	$2.866 \cdot 10^{-10}$	0
cpDC	$4.647 \cdot 10^{-7}$	$4.647 \cdot 10^{-7}$	0	$3.284 \cdot 10^{-7}$	$3.284 \cdot 10^{-7}$	0
cpQ3	$5.269 \cdot 10^{-6}$	$5.269 \cdot 10^{-6}$	0	$1.237 \cdot 10^{-5}$	$1.237 \cdot 10^{-5}$	0
cpQM	$2.996 \cdot 10^{-7}$	$2.996 \cdot 10^{-7}$	0	$3.35 \cdot 10^{-6}$	$3.35 \cdot 10^{-6}$	0
cpW	$-3.776 \cdot 10^{-7}$	$-3.776 \cdot 10^{-7}$	0	$1.108 \cdot 10^{-5}$	$1.108 \cdot 10^{-5}$	0
cpWB	$-2.035 \cdot 10^{-7}$	$-2.035 \cdot 10^{-7}$	0	$2.461 \cdot 10^{-7}$	$2.461 \cdot 10^{-7}$	0
cpt	$-2.563 \cdot 10^{-6}$	$-2.563 \cdot 10^{-6}$	0	$3.351 \cdot 10^{-6}$	$3.351 \cdot 10^{-6}$	0
ctW	$6.259 \cdot 10^{-7}$	$6.259 \cdot 10^{-7}$	$1.422 \cdot 10^{-6}$	$4.594 \cdot 10^{-5}$	$4.594 \cdot 10^{-5}$	$6.53 \cdot 10^{-8}$
ctZ	$7.376 \cdot 10^{-7}$	$7.376 \cdot 10^{-7}$	$-1.098 \cdot 10^{-6}$	$4.068 \cdot 10^{-7}$	$4.068 \cdot 10^{-7}$	$-2.212 \cdot 10^{-6}$
ctp	$5.917 \cdot 10^{-7}$	$5.917 \cdot 10^{-7}$	0	$6.594 \cdot 10^{-7}$	$6.594 \cdot 10^{-7}$	0
sm	0	0	0	$2.982 \cdot 10^{-5}$	$2.982 \cdot 10^{-5}$	0

1.38 $W^+W^- \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cWWW	-0.09762	-0.09762	0	1.526	1.526	0
cdp	0.3397	0.3397	0	0.03596	0.03596	0
cpDC	0.2385	0.2385	0	0.003917	0.003917	0
cpW	0.256	0.256	0	2.832	2.832	0
cpWB	0.3563	0.3563	0	0.03758	0.03758	0
sm	0	0	0	8.166	8.166	0

1.39 $W^+W^- \to \gamma\gamma$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cWWW	-0.001199	-0.001199	0	0.7098	0.7098	0
cpBB	-0.04458	-0.04458	0	0.2694	0.2694	0
cpDC	-0.05042	-0.05042	0	0.002506	0.002506	0
cpW	-0.0136	-0.0136	0	0.02506	0.02506	0
cpWB	-0.0936	-0.0936	0	0.09527	0.09527	0
sm	0	0	0	0.08468	0.08468	0

1.40 $W^+W^- \to \gamma\gamma\gamma$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cWWW	$3.329 \cdot 10^{-8}$	$3.329 \cdot 10^{-8}$	0	$1.678 \cdot 10^{-6}$	$1.678 \cdot 10^{-6}$	0
cpBB	$5.86 \cdot 10^{-9}$	$5.86 \cdot 10^{-9}$	0	$7.494 \cdot 10^{-8}$	$7.494 \cdot 10^{-8}$	0
cpDC	$-1.253 \cdot 10^{-7}$	$-1.253 \cdot 10^{-7}$	0	$9.342 \cdot 10^{-9}$	$9.342 \cdot 10^{-9}$	0

	mod1	mod2		mod1	mod2	
cpW	$1.787 \cdot 10^{-9}$	$1.787 \cdot 10^{-9}$	0	$6.97 \cdot 10^{-9}$	$6.97 \cdot 10^{-9}$	0
cpWB	$-2.454 \cdot 10^{-7}$	$-2.454 \cdot 10^{-7}$	0	$1.527 \cdot 10^{-7}$	$1.527 \cdot 10^{-7}$	0
sm	0	0	0	$2.372 \cdot 10^{-6}$	$2.372 \cdot 10^{-6}$	0

1.41 $\bar{b}t \to \bar{d}u$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQq13	0.001707	0.001707	0	0.00807	0.00807	0
cQq83	$1.058 \cdot 10^{-20}$	$1.058 \cdot 10^{-20}$	0	0.001793	0.001793	0
cpQ3	$1.095 \cdot 10^{-5}$	$1.095 \cdot 10^{-5}$	0	$3.319 \cdot 10^{-7}$	$3.319 \cdot 10^{-7}$	0
cpq3i	$1.095 \cdot 10^{-5}$	$1.095 \cdot 10^{-5}$	0	$3.319 \cdot 10^{-7}$	$3.319 \cdot 10^{-7}$	0
ctW	0.000543	0.000543	0	0.001641	0.001641	0
sm	0	0	0	0.005049	0.005049	0

1.42 $\gamma W^+ \to zW^+$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cWWW	-0.002132	-0.002132	0	2.203	2.203	0
cpBB	-0.05137	-0.05137	0	0.07334	0.07334	0
cpDC	-0.02891	-0.02891	0	0.0004993	0.0004993	0
cpW	0.05137	0.05137	0	0.07334	0.07334	0
cpWB	0.06231	0.06231	0	0.4605	0.4605	0
sm	0	0	0	0.2152	0.2152	0

1.43 $\mu^+\mu^- \to \tau^+\tau^-$

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.001636	-0.001636	0
cpWB	-0.004091	-0.004091	0
sm	0	0	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	0.000105	0.000105	0
cpWB	0.0006552	0.0006552	0
sm	0.007768	0.007768	0

1.44 $\nu_\tau \bar{\nu}_\tau \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-6.399 \cdot 10^{-10}$	$-6.399 \cdot 10^{-10}$	0	$9.699 \cdot 10^{-12}$	$9.699 \cdot 10^{-12}$	0
cpWB	$-2.743 \cdot 10^{-23}$	0	1	$2.81 \cdot 10^{-38}$	0	1
sm	0	0	0	0.002464	0.002464	0

1.45 $\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-6.091 \cdot 10^{-5}$	$-6.091 \cdot 10^{-5}$	0	$9.231 \cdot 10^{-7}$	$9.231 \cdot 10^{-7}$	0
cpWB	$1.718 \cdot 10^{-20}$	0	1	$7.347 \cdot 10^{-38}$	0	1
sm	0	0	0	0.001829	0.001829	0

1.46 $b\bar{b} \to \gamma\gamma$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-2.579 \cdot 10^{-5}$	$-2.579 \cdot 10^{-5}$	0	$1.282 \cdot 10^{-6}$	$1.282 \cdot 10^{-6}$	0
cpWB	$-5.697 \cdot 10^{-5}$	$-5.697 \cdot 10^{-5}$	0	$6.254 \cdot 10^{-6}$	$6.254 \cdot 10^{-6}$	0
sm	0	0	0	0.0001179	0.0001179	0

1.47 $b\bar{b} \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cpDC	$-3.766 \cdot 10^{-5}$	$-3.766 \cdot 10^{-5}$	0	$3.905 \cdot 10^{-6}$	$3.905 \cdot 10^{-6}$	0
cpQ3	0.0001581	0.0001581	0	$1.164 \cdot 10^{-5}$	$1.164 \cdot 10^{-5}$	0
cpQM	$7.905 \cdot 10^{-5}$	$7.905 \cdot 10^{-5}$	0	$2.909 \cdot 10^{-6}$	$2.909 \cdot 10^{-6}$	0
cpWB	$-7.758 \cdot 10^{-5}$	$-7.758 \cdot 10^{-5}$	0	$1.167 \cdot 10^{-5}$	$1.167 \cdot 10^{-5}$	0
cpd	$-7.422 \cdot 10^{-6}$	$-7.422 \cdot 10^{-6}$	0	$2.992 \cdot 10^{-6}$	$2.992 \cdot 10^{-6}$	0
sm	0	0	0	0.003234	0.003234	0

1.48 $b\bar{b} \to \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cpDC	$-8.526 \cdot 10^{-5}$	$-8.526 \cdot 10^{-5}$	0	$5.429 \cdot 10^{-7}$	$5.429 \cdot 10^{-7}$	0
cpQ3	0.001016	0.001016	0	$7.299 \cdot 10^{-5}$	$7.299 \cdot 10^{-5}$	0
cpQM	0.0005082	0.0005082	0	$1.825 \cdot 10^{-5}$	$1.825 \cdot 10^{-5}$	0
cpWB	0.0001429	0.0001429	0	$1.478 \cdot 10^{-6}$	$1.478 \cdot 10^{-6}$	0
cpd	$-1.666 \cdot 10^{-6}$	$-1.666 \cdot 10^{-6}$	0	$3.241 \cdot 10^{-7}$	$3.241 \cdot 10^{-7}$	0
sm	0	0	0	0.003857	0.003857	0

1.49 $b\bar{b} \to b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQQ1	-21.3	-21.3	0	2.35	2.35	0
cQQ8	-7.1	-7.1	0	0.2611	0.2611	0
cQd1	0.00734	0.00734	0	3.62	3.62	0

	mod1	mod2			mod1	mod2	
cQd8	-0.3958	-0.3958	0		0.8044	0.8044	0
cpDC	0.04911	0.04911	0		0.001015	0.001015	0
cpQ3	0.089	0.089	0		0.1409	0.1409	0
cpQM	0.0445	0.0445	0		0.03522	0.03522	0
cpWB	0.09982	0.09982	0		0.002873	0.002873	0
cpd	0.04578	0.04578	0		0.02161	0.02161	0
sm	0	0	0		2.02	2.02	0

1.50 $\quad b\bar{b} \to d\bar{d}$

	interference			square			
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cQd1	-0.005717	-0.005717	0		0.393	0.393	0
cQd8	0.2588	0.2588	0		0.08733	0.08733	0
cQq11	0.0006661	0.0006661	0		0.003042	0.003042	0
cQq13	0.0006661	0.0006661	0		0.003042	0.003042	0
cQq81	0.002003	0.002003	0		0.000676	0.000676	0
cQq83	0.002003	0.002003	0		0.000676	0.000676	0
cpDC	$-2.49 \cdot 10^{-5}$	$-2.49 \cdot 10^{-5}$	0		$1.591 \cdot 10^{-6}$	$1.591 \cdot 10^{-6}$	0
cpQ3	$4.336 \cdot 10^{-5}$	$4.336 \cdot 10^{-5}$	0		$6.704 \cdot 10^{-6}$	$6.704 \cdot 10^{-6}$	0
cpQM	$2.168 \cdot 10^{-5}$	$2.168 \cdot 10^{-5}$	0		$1.676 \cdot 10^{-6}$	$1.676 \cdot 10^{-6}$	0
cpWB	$2.075 \cdot 10^{-5}$	$2.075 \cdot 10^{-5}$	0		$1.092 \cdot 10^{-6}$	$1.092 \cdot 10^{-6}$	0
cpd	-0.0001841	-0.0001841	0		$8.948 \cdot 10^{-5}$	$8.948 \cdot 10^{-5}$	0
cpq3i	$4.336 \cdot 10^{-5}$	$4.336 \cdot 10^{-5}$	0		$6.704 \cdot 10^{-6}$	$6.704 \cdot 10^{-6}$	0
cpqMi	$2.168 \cdot 10^{-5}$	$2.168 \cdot 10^{-5}$	0		$1.676 \cdot 10^{-6}$	$1.676 \cdot 10^{-6}$	0
sm	0	0	0		0.5209	0.5209	0

1.51 $\quad b\bar{b} \to t\bar{t}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cQQ1	-0.01451	-0.01451	0	0.01168	0.01168	0
cQQ8	0.009854	0.009854	0	0.002595	0.002595	0
cQd1	-0.002235	-0.002235	0	0.03896	0.03896	0
cQd8	0.04513	0.04513	0	0.008657	0.008657	0
cQt1	-0.1017	-0.1017	0	0.03896	0.03896	0
cQt8	-0.08388	-0.08388	0	0.008657	0.008657	0
cpDC	0.0005287	0.0005287	0	$3.896 \cdot 10^{-6}$	$3.896 \cdot 10^{-6}$	0
cpQ3	-0.01428	-0.01428	0	0.003668	0.003668	0
cpQM	-0.0007485	-0.0007485	0	$7.006 \cdot 10^{-6}$	$7.006 \cdot 10^{-6}$	0
cpWB	-0.0004837	-0.0004837	0	$1.582 \cdot 10^{-5}$	$1.582 \cdot 10^{-5}$	0
cpd	$7.118 \cdot 10^{-5}$	$7.118 \cdot 10^{-5}$	0	$2.568 \cdot 10^{-5}$	$2.568 \cdot 10^{-5}$	0
cpt	-0.00202	-0.00202	0	$3.986 \cdot 10^{-5}$	$3.986 \cdot 10^{-5}$	0
ctG	0.1504	0.1504	$2.659 \cdot 10^{-7}$	0.02979	0.02979	$5.035 \cdot 10^{-7}$
ctW	0.02342	0.02342	$2.562 \cdot 10^{-7}$	0.0105	0.0105	$-2.857 \cdot 10^{-7}$
ctZ	0.004702	0.004702	$-1.106 \cdot 10^{-6}$	0.002354	0.002354	$-2.166 \cdot 10^{-6}$
ctd1	-0.001081	-0.001081	0	0.01168	0.01168	0
ctd8	0.4434	0.4434	0	0.1431	0.1431	0
sm	0	0	0	0.9115	0.9115	0

1.52 $b\bar{b} \to u\bar{u}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cQq11	-0.02149	-0.02149	0	0.1051	0.1051	0
cQq13	0.02149	0.02149	0	0.1051	0.1051	0
cQq81	0.06923	0.06923	0	0.02336	0.02336	0
cQq83	-0.06923	-0.06923	0	0.02336	0.02336	0

	mod1	mod2			mod1	mod2	
cQu1	0.01324	0.01324	0		0.4551	0.4551	0
cQu8	0.2997	0.2997	0		0.1011	0.1011	0
cpDC	$-4.27 \cdot 10^{-5}$	$-4.27 \cdot 10^{-5}$	0		$3.468 \cdot 10^{-6}$	$3.468 \cdot 10^{-6}$	0
cpQ3	0.0003175	0.0003175	0		$2.648 \cdot 10^{-5}$	$2.648 \cdot 10^{-5}$	0
cpQM	0.0001588	0.0001588	0		$6.62 \cdot 10^{-6}$	$6.62 \cdot 10^{-6}$	0
cpWB	$-2.434 \cdot 10^{-5}$	$-2.434 \cdot 10^{-5}$	0		$1.224 \cdot 10^{-5}$	$1.224 \cdot 10^{-5}$	0
cpd	$2.122 \cdot 10^{-5}$	$2.122 \cdot 10^{-5}$	0		$1.593 \cdot 10^{-5}$	$1.593 \cdot 10^{-5}$	0
cpqMi	-0.0001438	-0.0001438	0		$6.047 \cdot 10^{-6}$	$6.047 \cdot 10^{-6}$	0
cpu	0.0001019	0.0001019	0		$2.306 \cdot 10^{-5}$	$2.306 \cdot 10^{-5}$	0
sm	0	0	0		0.5486	0.5486	0

1.53 $b\bar{t} \to e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpQ3	0.000632	0.000632	0	$1.916 \cdot 10^{-5}$	$1.916 \cdot 10^{-5}$	0
ctW	0.003225	0.003225	0	0.004353	0.004353	0
sm	0	0	0	0.00106	0.00106	0

1.54 $c\bar{c} \to \mu^+ \mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.0004276	-0.0004276	0	$2.432 \cdot 10^{-5}$	$2.432 \cdot 10^{-5}$	0
cpWB	-0.0009423	-0.0009423	0	$8.235 \cdot 10^{-5}$	$8.235 \cdot 10^{-5}$	0
cpqMi	-0.000191	-0.000191	0	$4.056 \cdot 10^{-6}$	$4.056 \cdot 10^{-6}$	0
cpu	0.0001178	0.0001178	0	$3.294 \cdot 10^{-6}$	$3.294 \cdot 10^{-6}$	0
sm	0	0	0	0.0007612	0.0007612	0

1.55 $c\bar{s} \to \tau^+ \nu_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpq3i	0.0002085	0.0002085	0	$6.32 \cdot 10^{-6}$	$6.32 \cdot 10^{-6}$	0
sm	0	0	0	0.002184	0.002184	0

1.56 $d\bar{d} \to c\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-4.539 \cdot 10^{-5}$	$-4.539 \cdot 10^{-5}$	0	$4.654 \cdot 10^{-6}$	$4.654 \cdot 10^{-6}$	0
cpWB	$-5.078 \cdot 10^{-5}$	$-5.078 \cdot 10^{-5}$	0	$1.454 \cdot 10^{-5}$	$1.454 \cdot 10^{-5}$	0
cpd	$-1.86 \cdot 10^{-5}$	$-1.86 \cdot 10^{-5}$	0	$9.864 \cdot 10^{-6}$	$9.864 \cdot 10^{-6}$	0
cpq3i	0.0006426	0.0006426	0	$4.085 \cdot 10^{-5}$	$4.085 \cdot 10^{-5}$	0
cpqMi	$-4.556 \cdot 10^{-5}$	$-4.556 \cdot 10^{-5}$	0	$2.515 \cdot 10^{-6}$	$2.515 \cdot 10^{-6}$	0
cpu	$6.929 \cdot 10^{-5}$	$6.929 \cdot 10^{-5}$	0	$1.264 \cdot 10^{-5}$	$1.264 \cdot 10^{-5}$	0
sm	0	0	0	0.7243	0.7243	0

1.57 $d\bar{d} \to e^+ e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-4.596 \cdot 10^{-5}$	$-4.596 \cdot 10^{-5}$	0	$3.546 \cdot 10^{-6}$	$3.546 \cdot 10^{-6}$	0
cpWB	$-5.589 \cdot 10^{-5}$	$-5.589 \cdot 10^{-5}$	0	$1.166 \cdot 10^{-5}$	$1.166 \cdot 10^{-5}$	0
cpd	$2.19 \cdot 10^{-5}$	$2.19 \cdot 10^{-5}$	0	$3.756 \cdot 10^{-6}$	$3.756 \cdot 10^{-6}$	0
cpq3i	0.0001057	0.0001057	0	$1.251 \cdot 10^{-5}$	$1.251 \cdot 10^{-5}$	0
cpqMi	$5.285 \cdot 10^{-5}$	$5.285 \cdot 10^{-5}$	0	$3.126 \cdot 10^{-6}$	$3.126 \cdot 10^{-6}$	0
sm	0	0	0	0.001585	0.001585	0

1.58 $d\bar{d} \to s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-2.379 \cdot 10^{-5}$	$-2.379 \cdot 10^{-5}$	0	$1.268 \cdot 10^{-6}$	$1.268 \cdot 10^{-6}$	0
cpWB	$2.531 \cdot 10^{-5}$	$2.531 \cdot 10^{-5}$	0	$1.277 \cdot 10^{-6}$	$1.277 \cdot 10^{-6}$	0
cpd	-0.0001323	-0.0001323	0	$6.31 \cdot 10^{-5}$	$6.31 \cdot 10^{-5}$	0
cpq3i	0.0003167	0.0003167	0	$4.335 \cdot 10^{-5}$	$4.335 \cdot 10^{-5}$	0
cpqMi	0.0001584	0.0001584	0	$1.084 \cdot 10^{-5}$	$1.084 \cdot 10^{-5}$	0
sm	0	0	0	0.9874	0.9874	0

1.59 $e^+ \nu_\mu \to e^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.00425	-0.00425	0	0.0003594	0.0003594	0
cpWB	-0.002837	-0.002837	0	0.0003124	0.0003124	0
sm	0	0	0	0.1199	0.1199	0

1.60 $e^+ \nu_e \to \mu^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.03973	0.03973	0

1.61 $e^+ \nu_e \to e^+ \nu_e$

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.002606	-0.002606	0	0.000272	0.000272	0
cpWB	-0.001062	-0.001062	0	0.0002278	0.0002278	0
sm	0	0	0	0.1907	0.1907	0

1.62 $e^+\tau^- \to e^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.1186	-0.1186	0	0.006855	0.006855	0
cpWB	-0.2659	-0.2659	0	0.03243	0.03243	0
sm	0	0	0	0.1395	0.1395	0

1.63 $e^+e^- \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.001687	-0.001687	0	$9.927 \cdot 10^{-5}$	$9.927 \cdot 10^{-5}$	0
cpWB	-0.003798	-0.003798	0	0.0004732	0.0004732	0
sm	0	0	0	0.03424	0.03424	0

1.64 $e^+e^- \to e^+e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.004634	-0.004634	0	0.0003	0.0003	0
cpWB	-0.01175	-0.01175	0	0.00193	0.00193	0
sm	0	0	0	0.03538	0.03538	0

1.65 $gg \to gg$

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cG	$-1.654 \cdot 10^{-9}$	0	1	137.2	0	1
sm	0	0	0	47.84	47.84	0

1.66 $gg \to ggg$

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cG	0.0007613	0	1	0.03067	0	1
sm	0	0	0	1.231	1.231	0

1.67 $gg \to t\bar{t}$

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cG	0.1776	0	1	2.309	0	1
cpG	-0.06294	-0.06294	0	0.04035	0.04035	0
ctG	0.3649	0.3649	$2.467 \cdot 10^{-7}$	0.1521	0.1521	$5.261 \cdot 10^{-7}$
sm	0	0	0	1.623	1.623	0

1.68 $gg \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cG	$8.229 \cdot 10^{-12}$	0	1	3.681	0	1

sm	0	0	0	0.5505	0.5505	0

1.69 $s\bar{s} \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-8.614 \cdot 10^{-5}$	$-8.614 \cdot 10^{-5}$	0	$5.456 \cdot 10^{-7}$	$5.456 \cdot 10^{-7}$	0
cpWB	0.0001445	0.0001445	0	$1.492 \cdot 10^{-6}$	$1.492 \cdot 10^{-6}$	0
cpd	$-1.532 \cdot 10^{-6}$	$-1.532 \cdot 10^{-6}$	0	$2.98 \cdot 10^{-7}$	$2.98 \cdot 10^{-7}$	0
cpq3i	0.001028	0.001028	0	$7.379 \cdot 10^{-5}$	$7.379 \cdot 10^{-5}$	0
cpqMi	0.0005138	0.0005138	0	$1.845 \cdot 10^{-5}$	$1.845 \cdot 10^{-5}$	0
sm	0	0	0	0.0006305	0.0006305	0

1.70 $s\bar{s} \to s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	0.0007916	0.0007916	0	$5.075 \cdot 10^{-6}$	$5.075 \cdot 10^{-6}$	0
cpWB	0.0007159	0.0007159	0	$5.925 \cdot 10^{-6}$	$5.925 \cdot 10^{-6}$	0
cpd	0.0004755	0.0004755	0	0.0002541	0.0002541	0
cpq3i	-0.009319	-0.009319	0	0.0002029	0.0002029	0
cpqMi	-0.004659	-0.004659	0	$5.071 \cdot 10^{-5}$	$5.071 \cdot 10^{-5}$	0
sm	0	0	0	1.959	1.959	0

1.71 $t\bar{t} \to \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	$-3.192 \cdot 10^{-5}$	$-3.192 \cdot 10^{-5}$	0		$4.014 \cdot 10^{-6}$	$4.014 \cdot 10^{-6}$	0
cpQM	$-9.147 \cdot 10^{-5}$	$-9.147 \cdot 10^{-5}$	0		$4.341 \cdot 10^{-6}$	$4.341 \cdot 10^{-6}$	0
cpWB	$1.169 \cdot 10^{-5}$	$1.169 \cdot 10^{-5}$	0		$4.502 \cdot 10^{-6}$	$4.502 \cdot 10^{-6}$	0
cpt	$7.075 \cdot 10^{-5}$	$7.075 \cdot 10^{-5}$	0		$8.414 \cdot 10^{-6}$	$8.414 \cdot 10^{-6}$	0
ctW	$\color{red}{5.46 \cdot 10^{-10}}$	$\color{red}{0}$	$\color{red}{1}$		$\color{red}{4.729 \cdot 10^{-15}}$	$\color{red}{0}$	$\color{red}{1}$
ctZ	0.000452	0.000452	$-1.084 \cdot 10^{-6}$		0.003241	0.003241	$-2.191 \cdot 10^{-6}$
sm	0	0	0		0.0021	0.0021	0

1.72 $t\bar{t} \to \tau^+\tau^-$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.000194	-0.000194	0		$1.13 \cdot 10^{-5}$	$1.13 \cdot 10^{-5}$	0
cpQM	$1.967 \cdot 10^{-7}$	$1.967 \cdot 10^{-7}$	0		$3.315 \cdot 10^{-6}$	$3.315 \cdot 10^{-6}$	0
cpWB	-0.000511	-0.000511	0		$7.759 \cdot 10^{-5}$	$7.759 \cdot 10^{-5}$	0
cpt	$-5.508 \cdot 10^{-5}$	$-5.508 \cdot 10^{-5}$	0		$3.982 \cdot 10^{-6}$	$3.982 \cdot 10^{-6}$	0
ctW	0.005554	0.005554	$-9.542 \cdot 10^{-7}$		0.01696	0.01696	$-2.064 \cdot 10^{-6}$
ctZ	-0.004386	-0.004386	$-1.094 \cdot 10^{-6}$		0.01385	0.01385	$-2.166 \cdot 10^{-6}$
sm	0	0	0		0.001575	0.001575	0

1.73 $t\bar{t} \to c\bar{c}$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQq11	0.1309	0.1309	0		0.5956	0.5956	0
cQq13	0.1309	0.1309	0		0.5956	0.5956	0
cQq81	0.4117	0.4117	0		0.1324	0.1324	0
cQq83	0.4117	0.4117	0		0.1324	0.1324	0
cQu1	0.02242	0.02242	0		0.68	0.68	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cQu8	0.4672	0.4672	0	0.1511	0.1511	0
cpDC	−0.0005916	−0.0005916	0	$3.417 \cdot 10^{-5}$	$3.417 \cdot 10^{-5}$	0
cpQM	−0.0007421	−0.0007421	0	$2.03 \cdot 10^{-5}$	$2.03 \cdot 10^{-5}$	0
cpWB	−0.001371	−0.001371	0	0.0001145	0.0001145	0
cpqMi	−0.000734	−0.000734	0	$1.941 \cdot 10^{-5}$	$1.941 \cdot 10^{-5}$	0
cpt	0.0001318	0.0001318	0	$6.28 \cdot 10^{-6}$	$6.28 \cdot 10^{-6}$	0
cpu	0.0001496	0.0001496	0	$5.388 \cdot 10^{-6}$	$5.388 \cdot 10^{-6}$	0
ctG	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.05407	0.05407	$4.994 \cdot 10^{-7}$
ctW	0.01404	0.01404	$-7.123 \cdot 10^{-7}$	0.02071	0.02071	$-1.69 \cdot 10^{-6}$
ctZ	−0.008205	−0.008205	$-1.097 \cdot 10^{-6}$	0.01438	0.01438	$-2.155 \cdot 10^{-6}$
ctq1	0.0255	0.0255	0	0.68	0.68	0
ctq8	0.4672	0.4672	0	0.1511	0.1511	0
ctu1	0.06885	0.06885	0	0.5956	0.5956	0
ctu8	0.4117	0.4117	0	0.1324	0.1324	0
sm	0	0	0	0.7631	0.7631	0

1.74 $\quad t\bar{t} \to d\bar{d}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cQd1	−0.001739	−0.001739	0	0.003596	0.003596	0
cQd8	0.02185	0.02185	0	0.000799	0.000799	0
cQq11	−0.04961	−0.04961	0	0.2469	0.2469	0
cQq13	0.04961	0.04961	0	0.2469	0.2469	0
cQq81	0.1821	0.1821	0	0.05487	0.05487	0
cQq83	−0.1821	−0.1821	0	0.05487	0.05487	0
cpDC	$-3.913 \cdot 10^{-5}$	$-3.913 \cdot 10^{-5}$	0	$4.949 \cdot 10^{-6}$	$4.949 \cdot 10^{-6}$	0
cpQM	−0.0003438	−0.0003438	0	$1.286 \cdot 10^{-5}$	$1.286 \cdot 10^{-5}$	0
cpWB	$-6.854 \cdot 10^{-5}$	$-6.854 \cdot 10^{-5}$	0	$1.623 \cdot 10^{-5}$	$1.623 \cdot 10^{-5}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpd	$-5.234 \cdot 10^{-6}$	$-5.234 \cdot 10^{-6}$	0	$1.025 \cdot 10^{-5}$	$1.025 \cdot 10^{-5}$	0
cpq3i	0.0005843	0.0005843	0	$3.708 \cdot 10^{-5}$	$3.708 \cdot 10^{-5}$	0
cpqMi	0.0002921	0.0002921	0	$9.271 \cdot 10^{-6}$	$9.271 \cdot 10^{-6}$	0
cpt	$3.459 \cdot 10^{-5}$	$3.459 \cdot 10^{-5}$	0	$1.464 \cdot 10^{-5}$	$1.464 \cdot 10^{-5}$	0
ctG	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.06962	0.06962	$5.027 \cdot 10^{-7}$
ctW	0.003156	0.003156	$9.506 \cdot 10^{-8}$	0.006667	0.006667	$-6.9 \cdot 10^{-7}$
ctZ	0.0002382	0.0002382	$-1.092 \cdot 10^{-6}$	0.005501	0.005501	$-2.199 \cdot 10^{-6}$
ctd1	-0.01451	-0.01451	0	0.2469	0.2469	0
ctd8	0.6386	0.6386	0	0.2089	0.2089	0
ctq1	-0.005943	-0.005943	0	0.003596	0.003596	0
ctq8	0.02185	0.02185	0	0.000799	0.000799	0
sm	0	0	0	0.989	0.989	0

1.75 $t\bar{t} \to s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd1	-0.006559	-0.006559	0	0.3479	0.3479	0
cQd8	0.2485	0.2485	0	0.0773	0.0773	0
cQq11	-0.1244	-0.1244	0	0.6128	0.6128	0
cQq13	0.1244	0.1244	0	0.6128	0.6128	0
cQq81	0.423	0.423	0	0.1362	0.1362	0
cQq83	-0.423	-0.423	0	0.1362	0.1362	0
cpDC	$-6.535 \cdot 10^{-5}$	$-6.535 \cdot 10^{-5}$	0	$9.092 \cdot 10^{-6}$	$9.092 \cdot 10^{-6}$	0
cpQM	-0.0008773	-0.0008773	0	$3.081 \cdot 10^{-5}$	$3.081 \cdot 10^{-5}$	0
cpWB	-0.0001353	-0.0001353	0	$2.694 \cdot 10^{-5}$	$2.694 \cdot 10^{-5}$	0
cpd	$-7.782 \cdot 10^{-5}$	$-7.782 \cdot 10^{-5}$	0	$5.32 \cdot 10^{-6}$	$5.32 \cdot 10^{-6}$	0
cpq3i	0.001414	0.001414	0	$7.976 \cdot 10^{-5}$	$7.976 \cdot 10^{-5}$	0
cpqMi	0.0007069	0.0007069	0	$1.994 \cdot 10^{-5}$	$1.994 \cdot 10^{-5}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpt	$1.598 \cdot 10^{-5}$	$1.598 \cdot 10^{-5}$	0	$4.097 \cdot 10^{-6}$	$4.097 \cdot 10^{-6}$	0
ctG	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.0527	0.0527	$4.933 \cdot 10^{-7}$
ctW	0.005204	0.005204	$2.114 \cdot 10^{-7}$	0.005047	0.005047	$-6.935 \cdot 10^{-7}$
ctZ	0.0008813	0.0008813	$-1.089 \cdot 10^{-6}$	0.004165	0.004165	$-2.185 \cdot 10^{-6}$
ctd1	-0.0354	-0.0354	0	0.6128	0.6128	0
ctd8	0.1468	0.1468	0	0.04298	0.04298	0
ctq1	0.004074	0.004074	0	0.3479	0.3479	0
ctq8	0.2485	0.2485	0	0.0773	0.0773	0
sm	0	0	0	0.588	0.588	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.1112	-0.1112	0	0.8158	0.8158	0
cQQ8	-0.03705	-0.03705	0	0.09064	0.09064	0
cQt1	-12.23	-12.23	0	7.22	7.22	0
cQt8	-60.86	-60.86	0	1.541	1.541	0
cdp	-0.04955	-0.04955	0	0.008304	0.008304	0
cpDC	0.02978	0.02978	0	0.0008438	0.0008438	0
cpQM	0.05086	0.05086	0	0.008462	0.008462	0
cpWB	0.01443	0.01443	0	0.0003298	0.0003298	0
cpt	-0.04531	-0.04531	0	0.008832	0.008832	0
ctG	0.1836	0.1836	$2.179 \cdot 10^{-7}$	0.4643	0.4643	$4.954 \cdot 10^{-7}$
ctW	-0.1303	-0.1303	$-8.444 \cdot 10^{-7}$	0.3329	0.3329	$-1.712 \cdot 10^{-6}$
ctZ	0.09227	0.09227	$-1.095 \cdot 10^{-6}$	0.2152	0.2152	$-2.184 \cdot 10^{-6}$
ctp	0.05015	0.05015	0	0.008508	0.008508	0
ctt1	-0.2028	-0.2028	0	3.263	3.263	0
sm	0	0	0	1225	1225	0

1.77 $u\bar{d} \to \mu^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpq3i	$3.502 \cdot 10^{-5}$	$3.502 \cdot 10^{-5}$	0	$1.061 \cdot 10^{-6}$	$1.061 \cdot 10^{-6}$	0
sm	0	0	0	0.003572	0.003572	0

1.78 $u\bar{d} \to c\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpq3i	0.001302	0.001302	0	$7.891 \cdot 10^{-5}$	$7.891 \cdot 10^{-5}$	0
sm	0	0	0	0.03724	0.03724	0

1.79 $u\bar{d} \to u\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpDC	-0.0001387	-0.0001387	0	$1.043 \cdot 10^{-5}$	$1.043 \cdot 10^{-5}$	0
cpWB	$-4.838 \cdot 10^{-5}$	$-4.838 \cdot 10^{-5}$	0	$4.201 \cdot 10^{-5}$	$4.201 \cdot 10^{-5}$	0
cpd	0.0001392	0.0001392	0	$6.444 \cdot 10^{-5}$	$6.444 \cdot 10^{-5}$	0
cpq3i	-0.002019	-0.002019	0	0.0001509	0.0001509	0
cpqMi	0.0001133	0.0001133	0	$1.65 \cdot 10^{-5}$	$1.65 \cdot 10^{-5}$	0
cpu	0.0003918	0.0003918	0	$9.555 \cdot 10^{-5}$	$9.555 \cdot 10^{-5}$	0
sm	0	0	0	12.8	12.8	0

1.80 $u\bar{u} \to \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cpDC	$8.528 \cdot 10^{-5}$	$8.528 \cdot 10^{-5}$	0	$6.301 \cdot 10^{-7}$	$6.301 \cdot 10^{-7}$	0
cpWB	0.0002889	0.0002889	0	$7.181 \cdot 10^{-6}$	$7.181 \cdot 10^{-6}$	0
cpqMi	-0.0005121	-0.0005121	0	$2.255 \cdot 10^{-5}$	$2.255 \cdot 10^{-5}$	0
cpu	$8.822 \cdot 10^{-8}$	$8.822 \cdot 10^{-8}$	0	$8.582 \cdot 10^{-9}$	$8.582 \cdot 10^{-9}$	0
sm	0	0	0	0.001627	0.001627	0

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cpDC	-0.0002058	-0.0002058	0	$1.229 \cdot 10^{-5}$	$1.229 \cdot 10^{-5}$	0
cpWB	-0.0005282	-0.0005282	0	$7.038 \cdot 10^{-5}$	$7.038 \cdot 10^{-5}$	0
cpqMi	-0.0004139	-0.0004139	0	$2.888 \cdot 10^{-5}$	$2.888 \cdot 10^{-5}$	0
cpu	$3.515 \cdot 10^{-6}$	$3.515 \cdot 10^{-6}$	0	$2.681 \cdot 10^{-5}$	$2.681 \cdot 10^{-5}$	0
sm	0	0	0	0.4954	0.4954	0

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cpDC	0.03379	0.03379	0	0.0004686	0.0004686	0
cpWB	0.06241	0.06241	0	0.002881	0.002881	0
cpqMi	0.04642	0.04642	0	0.001015	0.001015	0
cpu	-0.02822	-0.02822	0	0.001046	0.001046	0
sm	0	0	0	4.834	4.834	0

1.83 $zz \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cWWW	0.0439	0.0439	0	15.32	15.32	0
cdp	7.135	7.135	0	0.4473	0.4473	0
cpBB	-0.04131	-0.04131	0	0.04883	0.04883	0
cpDC	0.1724	0.1724	0	0.003534	0.003534	0
cpW	-0.3629	-0.3629	0	1.42	1.42	0
cpWB	0.2204	0.2204	0	0.182	0.182	0
sm	0	0	0	679.8	679.8	0

1.84 $zz \rightarrow zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cdp	0.01976	0.01976	0	0.001198	0.001198	0
cpBB	0.001833	0.001833	0	0.07313	0.07313	0
cpDC	0.00494	0.00494	0	$7.488 \cdot 10^{-5}$	$7.488 \cdot 10^{-5}$	0
cpW	0.006011	0.006011	0	0.7863	0.7863	0
cpWB	0.00332	0.00332	0	0.2398	0.2398	0
sm	0	0	0	0.08061	0.08061	0

2 By parameter point

2.1 cG

interference   square

	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$gg \to gg$	$-1.654 \cdot 10^{-9}$	0	1	137.2	0	1
$gg \to ggg$	0.0007613	0	1	0.03067	0	1
$gg \to t\bar{t}$	0.1776	0	1	2.309	0	1
$gg \to u\bar{u}$	$8.229 \cdot 10^{-12}$	0	1	3.681	0	1

2.2 cQQ1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to b\bar{b}$	-21.3	-21.3	0	2.35	2.35	0
$b\bar{b} \to t\bar{t}$	-0.01451	-0.01451	0	0.01168	0.01168	0
$t\bar{t} \to t\bar{t}$	-0.1112	-0.1112	0	0.8158	0.8158	0

2.3 cQQ8

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to b\bar{b}$	-7.1	-7.1	0	0.2611	0.2611	0
$b\bar{b} \to t\bar{t}$	0.009854	0.009854	0	0.002595	0.002595	0
$t\bar{t} \to t\bar{t}$	-0.03705	-0.03705	0	0.09064	0.09064	0

2.4 cQd1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to b\bar{b}$	0.00734	0.00734	0	3.62	3.62	0
$b\bar{b} \to d\bar{d}$	-0.005717	-0.005717	0	0.393	0.393	0

	interference			square		
$b\bar{b} \to t\bar{t}$	-0.002235	-0.002235	0	0.03896	0.03896	0
$t\bar{t} \to d\bar{d}$	-0.001739	-0.001739	0	0.003596	0.003596	0
$t\bar{t} \to s\bar{s}$	-0.006559	-0.006559	0	0.3479	0.3479	0

2.5 cQd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.3958	-0.3958	0	0.8044	0.8044	0
$b\bar{b} \to d\bar{d}$	0.2588	0.2588	0	0.08733	0.08733	0
$b\bar{b} \to t\bar{t}$	0.04513	0.04513	0	0.008657	0.008657	0
$t\bar{t} \to d\bar{d}$	0.02185	0.02185	0	0.000799	0.000799	0
$t\bar{t} \to s\bar{s}$	0.2485	0.2485	0	0.0773	0.0773	0

2.6 cQq11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.0006661	0.0006661	0	0.003042	0.003042	0
$b\bar{b} \to u\bar{u}$	-0.02149	-0.02149	0	0.1051	0.1051	0
$t\bar{t} \to c\bar{c}$	0.1309	0.1309	0	0.5956	0.5956	0
$t\bar{t} \to d\bar{d}$	-0.04961	-0.04961	0	0.2469	0.2469	0
$t\bar{t} \to s\bar{s}$	-0.1244	-0.1244	0	0.6128	0.6128	0

2.7 cQq13

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$

		interference			square	
$\bar{b}t \to \bar{d}u$	0.001707	0.001707	0	0.00807	0.00807	0
$b\bar{b} \to d\bar{d}$	0.0006661	0.0006661	0	0.003042	0.003042	0
$b\bar{b} \to u\bar{u}$	0.02149	0.02149	0	0.1051	0.1051	0
$t\bar{t} \to c\bar{c}$	0.1309	0.1309	0	0.5956	0.5956	0
$t\bar{t} \to d\bar{d}$	0.04961	0.04961	0	0.2469	0.2469	0
$t\bar{t} \to s\bar{s}$	0.1244	0.1244	0	0.6128	0.6128	0

2.8 cQq81

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.002003	0.002003	0	0.000676	0.000676	0
$b\bar{b} \to u\bar{u}$	0.06923	0.06923	0	0.02336	0.02336	0
$t\bar{t} \to c\bar{c}$	0.4117	0.4117	0	0.1324	0.1324	0
$t\bar{t} \to d\bar{d}$	0.1821	0.1821	0	0.05487	0.05487	0
$t\bar{t} \to s\bar{s}$	0.423	0.423	0	0.1362	0.1362	0

2.9 cQq83

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$1.058 \cdot 10^{-20}$	$1.058 \cdot 10^{-20}$	0	0.001793	0.001793	0
$b\bar{b} \to d\bar{d}$	0.002003	0.002003	0	0.000676	0.000676	0
$b\bar{b} \to u\bar{u}$	-0.06923	-0.06923	0	0.02336	0.02336	0
$t\bar{t} \to c\bar{c}$	0.4117	0.4117	0	0.1324	0.1324	0
$t\bar{t} \to d\bar{d}$	-0.1821	-0.1821	0	0.05487	0.05487	0
$t\bar{t} \to s\bar{s}$	-0.423	-0.423	0	0.1362	0.1362	0

2.10 cQt1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.1017	-0.1017	0	0.03896	0.03896	0
$t\bar{t} \to t\bar{t}$	-12.23	-12.23	0	7.22	7.22	0

2.11 cQt8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.08388	-0.08388	0	0.008657	0.008657	0
$t\bar{t} \to t\bar{t}$	-60.86	-60.86	0	1.541	1.541	0

2.12 cQu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	0.01324	0.01324	0	0.4551	0.4551	0
$t\bar{t} \to c\bar{c}$	0.02242	0.02242	0	0.68	0.68	0

2.13 cQu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	0.2997	0.2997	0	0.1011	0.1011	0
$t\bar{t} \to c\bar{c}$	0.4672	0.4672	0	0.1511	0.1511	0

2.14 cWWW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+W^-\gamma$	$-1.277 \cdot 10^{-6}$	$-1.277 \cdot 10^{-6}$	0	$9.141 \cdot 10^{-6}$	$9.141 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-4.366 \cdot 10^{-7}$	$-4.366 \cdot 10^{-7}$	0	$2.675 \cdot 10^{-6}$	$2.675 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	$-4.12 \cdot 10^{-9}$	$-4.12 \cdot 10^{-9}$	0	$1.259 \cdot 10^{-8}$	$1.259 \cdot 10^{-8}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-3.338 \cdot 10^{-8}$	$-3.338 \cdot 10^{-8}$	0	$1.712 \cdot 10^{-9}$	$1.712 \cdot 10^{-9}$	0
$W^+W^- \to Hb\bar{b}$	$4.801 \cdot 10^{-6}$	$4.801 \cdot 10^{-6}$	0	$1.558 \cdot 10^{-7}$	$1.558 \cdot 10^{-7}$	0
$W^+W^- \to Hc\bar{c}$	$1.011 \cdot 10^{-6}$	$1.011 \cdot 10^{-6}$	0	$5.357 \cdot 10^{-7}$	$5.357 \cdot 10^{-7}$	0
$W^+W^- \to Hd\bar{d}$	$3.384 \cdot 10^{-7}$	$3.384 \cdot 10^{-7}$	0	$2.248 \cdot 10^{-6}$	$2.248 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$1.184 \cdot 10^{-7}$	$1.184 \cdot 10^{-7}$	0	$5.133 \cdot 10^{-6}$	$5.133 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	-0.09762	-0.09762	0	1.526	1.526	0
$W^+W^- \to \gamma\gamma$	-0.001199	-0.001199	0	0.7098	0.7098	0
$W^+W^- \to \gamma\gamma\gamma$	$3.329 \cdot 10^{-8}$	$3.329 \cdot 10^{-8}$	0	$1.678 \cdot 10^{-6}$	$1.678 \cdot 10^{-6}$	0
$\gamma W^+ \to zW^+$	-0.002132	-0.002132	0	2.203	2.203	0
$zz \to W^+W^-$	0.0439	0.0439	0	15.32	15.32	0

2.15 cdp

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	0.418	0.418	0	0.228	0.228	0
$HH \to HHH$	$-3.337 \cdot 10^{-6}$	$-3.337 \cdot 10^{-6}$	0	$4.503 \cdot 10^{-6}$	$4.503 \cdot 10^{-6}$	0
$HH \to Ht\bar{t}$	$-1.657 \cdot 10^{-5}$	$-1.657 \cdot 10^{-5}$	0	$6.357 \cdot 10^{-6}$	$6.357 \cdot 10^{-6}$	0
$HH \to Hzz$	$-1.398 \cdot 10^{-5}$	$-1.398 \cdot 10^{-5}$	0	$2.93 \cdot 10^{-5}$	$2.93 \cdot 10^{-5}$	0
$HH \to W^+W^-$	-1.451	-1.451	0	3.844	3.844	0
$HH \to W^+W^-\gamma$	$-1.46 \cdot 10^{-6}$	$-1.46 \cdot 10^{-6}$	0	$5.124 \cdot 10^{-6}$	$5.124 \cdot 10^{-6}$	0
$HH \to W^+\bar{t}b$	$-2.505 \cdot 10^{-5}$	$-2.505 \cdot 10^{-5}$	0	$1.453 \cdot 10^{-5}$	$1.453 \cdot 10^{-5}$	0

$HH \to W^+ e^- \bar{\nu}_e$	$2.391 \cdot 10^{-7}$	$2.391 \cdot 10^{-7}$	0	$1.263 \cdot 10^{-8}$	$1.263 \cdot 10^{-8}$	0
$HH \to W^- u\bar{d}$	$1.223 \cdot 10^{-7}$	$1.223 \cdot 10^{-7}$	0	$1.293 \cdot 10^{-8}$	$1.293 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$-6.116 \cdot 10^{-6}$	$-6.116 \cdot 10^{-6}$	0	$2.498 \cdot 10^{-5}$	$2.498 \cdot 10^{-5}$	0
$HH \to z\nu_e\bar{\nu}_e$	$-8.796 \cdot 10^{-8}$	$-8.796 \cdot 10^{-8}$	0	$3.722 \cdot 10^{-6}$	$3.722 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$-1.293 \cdot 10^{-5}$	$-1.293 \cdot 10^{-5}$	0	$4.394 \cdot 10^{-6}$	$4.394 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	$1.857 \cdot 10^{-8}$	$1.857 \cdot 10^{-8}$	0	$1.952 \cdot 10^{-8}$	$1.952 \cdot 10^{-8}$	0
$HH \to ze^+e^-$	$2.189 \cdot 10^{-8}$	$2.189 \cdot 10^{-8}$	0	$1.587 \cdot 10^{-9}$	$1.587 \cdot 10^{-9}$	0
$HH \to zt\bar{t}$	-0.0009327	-0.0009327	0	$5.388 \cdot 10^{-5}$	$5.388 \cdot 10^{-5}$	0
$HH \to zz$	-5.633	-5.633	0	1.216	1.216	0
$HW^+ \to \gamma t\bar{b}$	$6.681 \cdot 10^{-7}$	$6.681 \cdot 10^{-7}$	0	$2.025 \cdot 10^{-8}$	$2.025 \cdot 10^{-8}$	0
$HW^+ \to \gamma u\bar{d}$	$1.098 \cdot 10^{-9}$	$1.098 \cdot 10^{-9}$	0	$3.328 \cdot 10^{-11}$	$3.328 \cdot 10^{-11}$	0
$HW^+ \to u\bar{d}$	0.0002462	0.0002462	0	$7.463 \cdot 10^{-6}$	$7.463 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	0.01078	0.01078	0	0.0003267	0.0003267	0
$HW^- \to \gamma e^- \bar{\nu}_e$	$8.887 \cdot 10^{-8}$	$8.887 \cdot 10^{-8}$	0	$2.694 \cdot 10^{-9}$	$2.694 \cdot 10^{-9}$	0
$HW^- \to \mu^- \bar{\nu}_\mu$	0.0002202	0.0002202	0	$6.676 \cdot 10^{-6}$	$6.676 \cdot 10^{-6}$	0
$H\gamma \to t\bar{t}$	0.4363	0.4363	0	0.01323	0.01323	0
$Hz \to \mu^+\mu^-$	0.0002612	0.0002612	0	$7.917 \cdot 10^{-6}$	$7.917 \cdot 10^{-6}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.0004403	0.0004403	0	$1.335 \cdot 10^{-5}$	$1.335 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	0.001092	0.001092	0	$3.309 \cdot 10^{-5}$	$3.309 \cdot 10^{-5}$	0
$Hz \to s\bar{s}$	0.001758	0.001758	0	$5.33 \cdot 10^{-5}$	$5.33 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	0.2568	0.2568	0	0.007785	0.007785	0
$Hz \to u\bar{u}$	0.001279	0.001279	0	$3.877 \cdot 10^{-5}$	$3.877 \cdot 10^{-5}$	0
$W^+W^- \to Hb\bar{b}$	$8.543 \cdot 10^{-6}$	$8.543 \cdot 10^{-6}$	0	$2.59 \cdot 10^{-7}$	$2.59 \cdot 10^{-7}$	0
$W^+W^- \to Hc\bar{c}$	$1.502 \cdot 10^{-7}$	$1.502 \cdot 10^{-7}$	0	$4.554 \cdot 10^{-9}$	$4.554 \cdot 10^{-9}$	0
$W^+W^- \to Hd\bar{d}$	$3.531 \cdot 10^{-7}$	$3.531 \cdot 10^{-7}$	0	$1.07 \cdot 10^{-8}$	$1.07 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$-2.144 \cdot 10^{-6}$	$-2.144 \cdot 10^{-6}$	0	$5.105 \cdot 10^{-6}$	$5.105 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	0.3397	0.3397	0	0.03596	0.03596	0
$t\bar{t} \to t\bar{t}$	-0.04955	-0.04955	0	0.008304	0.008304	0
$zz \to W^+W^-$	7.135	7.135	0	0.4473	0.4473	0

| $zz \to zz$ | 0.01976 | 0.01976 | 0 | 0.001198 | 0.001198 | 0 |

2.16 cp

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$HH \to HH$	-1.261	-1.261	0	2.076	2.076	0
$HH \to HHH$	$9.638 \cdot 10^{-6}$	$9.638 \cdot 10^{-6}$	0	$3.757 \cdot 10^{-5}$	$3.757 \cdot 10^{-5}$	0
$HH \to Ht\bar{t}$	$2.755 \cdot 10^{-5}$	$2.755 \cdot 10^{-5}$	0	$1.753 \cdot 10^{-5}$	$1.753 \cdot 10^{-5}$	0
$HH \to Hzz$	$6.477 \cdot 10^{-6}$	$6.477 \cdot 10^{-6}$	0	$3.206 \cdot 10^{-5}$	$3.206 \cdot 10^{-5}$	0
$HH \to W^+W^-$	0.2741	0.2741	0	0.1331	0.1331	0
$HH \to W^+W^-\gamma$	$2.863 \cdot 10^{-7}$	$2.863 \cdot 10^{-7}$	0	$1.756 \cdot 10^{-7}$	$1.756 \cdot 10^{-7}$	0
$HH \to W^+\bar{t}b$	$5.201 \cdot 10^{-6}$	$5.201 \cdot 10^{-6}$	0	$5.559 \cdot 10^{-7}$	$5.559 \cdot 10^{-7}$	0
$HH \to W^+e^-\bar{\nu}_e$	$7.849 \cdot 10^{-9}$	$7.849 \cdot 10^{-9}$	0	$2.489 \cdot 10^{-11}$	$2.489 \cdot 10^{-11}$	0
$HH \to W^-u\bar{d}$	$5.645 \cdot 10^{-9}$	$5.645 \cdot 10^{-9}$	0	$2.448 \cdot 10^{-10}$	$2.448 \cdot 10^{-10}$	0
$HH \to z\bar{b}b$	$1.278 \cdot 10^{-6}$	$1.278 \cdot 10^{-6}$	0	$8.525 \cdot 10^{-7}$	$8.525 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	$3.718 \cdot 10^{-8}$	$3.718 \cdot 10^{-8}$	0	$1.237 \cdot 10^{-7}$	$1.237 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$2.843 \cdot 10^{-6}$	$2.843 \cdot 10^{-6}$	0	$2.026 \cdot 10^{-7}$	$2.026 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$4.235 \cdot 10^{-8}$	$4.235 \cdot 10^{-8}$	0	$1.075 \cdot 10^{-9}$	$1.075 \cdot 10^{-9}$	0
$HH \to ze^+e^-$	$1.312 \cdot 10^{-9}$	$1.312 \cdot 10^{-9}$	0	$2.305 \cdot 10^{-11}$	$2.305 \cdot 10^{-11}$	0
$HH \to zt\bar{t}$	0.0002614	0.0002614	0	$2.553 \cdot 10^{-6}$	$2.553 \cdot 10^{-6}$	0
$HH \to zz$	1.319	1.319	0	0.06606	0.06606	0
$W^+W^- \to Ht\bar{t}$	$2.179 \cdot 10^{-7}$	$2.179 \cdot 10^{-7}$	0	$3.575 \cdot 10^{-8}$	$3.575 \cdot 10^{-8}$	0

2.17 cpBB

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$HH \to Hzz$	$-5.033 \cdot 10^{-7}$	$-5.033 \cdot 10^{-7}$	0	$9.984 \cdot 10^{-7}$	$9.984 \cdot 10^{-7}$	0

$HH \to W^+W^-\gamma$	$1.145 \cdot 10^{-6}$	$1.145 \cdot 10^{-6}$	0	$2.377 \cdot 10^{-6}$	$2.377 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$1.437 \cdot 10^{-6}$	$1.437 \cdot 10^{-6}$	0	$6.581 \cdot 10^{-6}$	$6.581 \cdot 10^{-6}$	0
$HH \to z\nu_e\bar{\nu}_e$	$2.511 \cdot 10^{-7}$	$2.511 \cdot 10^{-7}$	0	$1.114 \cdot 10^{-6}$	$1.114 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$6.719 \cdot 10^{-7}$	$6.719 \cdot 10^{-7}$	0	$5.375 \cdot 10^{-6}$	$5.375 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	$1.177 \cdot 10^{-7}$	$1.177 \cdot 10^{-7}$	0	$1.263 \cdot 10^{-7}$	$1.263 \cdot 10^{-7}$	0
$HH \to ze^+e^-$	$3.383 \cdot 10^{-8}$	$3.383 \cdot 10^{-8}$	0	$1.599 \cdot 10^{-7}$	$1.599 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$-4.731 \cdot 10^{-5}$	$-4.731 \cdot 10^{-5}$	0	$1.935 \cdot 10^{-5}$	$1.935 \cdot 10^{-5}$	0
$HH \to zz$	0.05812	0.05812	0	0.2891	0.2891	0
$HW^+ \to \gamma t\bar{b}$	$-6.781 \cdot 10^{-7}$	$-6.781 \cdot 10^{-7}$	0	$1.647 \cdot 10^{-7}$	$1.647 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$1.714 \cdot 10^{-8}$	$1.714 \cdot 10^{-8}$	0	$1.734 \cdot 10^{-8}$	$1.734 \cdot 10^{-8}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-3.435 \cdot 10^{-8}$	$-3.435 \cdot 10^{-8}$	0	$1.027 \cdot 10^{-8}$	$1.027 \cdot 10^{-8}$	0
$H\gamma \to b\bar{b}$	0	0	0	0.009843	0.009843	0
$H\gamma \to c\bar{c}$	0	0	0	0.01778	0.01778	0
$H\gamma \to d\bar{d}$	0	0	0	0.007019	0.007019	0
$H\gamma \to e^+e^-$	0	0	0	0.01597	0.01597	0
$H\gamma \to t\bar{t}$	-0.5524	-0.5524	0	0.0324	0.0324	0
$Hz \to \mu^+\mu^-$	0.0003999	0.0003999	0	0.004162	0.004162	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.001069	0.001069	0	0.0009111	0.0009111	0
$Hz \to b\bar{b}$	0.001178	0.001178	0	0.001429	0.001429	0
$Hz \to s\bar{s}$	0.0008456	0.0008456	0	0.001026	0.001026	0
$Hz \to t\bar{t}$	-0.01321	-0.01321	0	0.005127	0.005127	0
$Hz \to u\bar{u}$	0.0004388	0.0004388	0	0.003677	0.003677	0
$W^+W^- \to Hb\bar{b}$	$-3.197 \cdot 10^{-8}$	$-3.197 \cdot 10^{-8}$	0	$1.814 \cdot 10^{-11}$	$1.814 \cdot 10^{-11}$	0
$W^+W^- \to Hc\bar{c}$	$5.216 \cdot 10^{-9}$	$5.216 \cdot 10^{-9}$	0	$3.716 \cdot 10^{-10}$	$3.716 \cdot 10^{-10}$	0
$W^+W^- \to Hd\bar{d}$	$-2.696 \cdot 10^{-8}$	$-2.696 \cdot 10^{-8}$	0	$3.154 \cdot 10^{-10}$	$3.154 \cdot 10^{-10}$	0
$W^+W^- \to Ht\bar{t}$	$-1.844 \cdot 10^{-8}$	$-1.844 \cdot 10^{-8}$	0	$2.866 \cdot 10^{-10}$	$2.866 \cdot 10^{-10}$	0
$W^+W^- \to \gamma\gamma$	-0.04458	-0.04458	0	0.2694	0.2694	0
$W^+W^- \to \gamma\gamma\gamma$	$5.86 \cdot 10^{-9}$	$5.86 \cdot 10^{-9}$	0	$7.494 \cdot 10^{-8}$	$7.494 \cdot 10^{-8}$	0
$\gamma W^+ \to zW^+$	-0.05137	-0.05137	0	0.07334	0.07334	0

	interference			square		
$zz \to W^+W^-$	-0.04131	-0.04131	0	0.04883	0.04883	0
$zz \to zz$	0.001833	0.001833	0	0.07313	0.07313	0

2.18 cpDC

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to HH$	-0.1045	-0.1045	0	0.01425	0.01425	0
$HH \to HHH$	$8.342 \cdot 10^{-7}$	$8.342 \cdot 10^{-7}$	0	$2.815 \cdot 10^{-7}$	$2.815 \cdot 10^{-7}$	0
$HH \to Ht\bar{t}$	$4.144 \cdot 10^{-6}$	$4.144 \cdot 10^{-6}$	0	$3.973 \cdot 10^{-7}$	$3.973 \cdot 10^{-7}$	0
$HH \to Hzz$	$-5.733 \cdot 10^{-6}$	$-5.733 \cdot 10^{-6}$	0	$2.862 \cdot 10^{-6}$	$2.862 \cdot 10^{-6}$	0
$HH \to W^+W^-$	0.3627	0.3627	0	0.2402	0.2402	0
$HH \to W^+W^-\gamma$	$3.181 \cdot 10^{-7}$	$3.181 \cdot 10^{-7}$	0	$3.033 \cdot 10^{-7}$	$3.033 \cdot 10^{-7}$	0
$HH \to W^+\bar{t}b$	$6.262 \cdot 10^{-6}$	$6.262 \cdot 10^{-6}$	0	$9.084 \cdot 10^{-7}$	$9.084 \cdot 10^{-7}$	0
$HH \to W^+e^-\bar{\nu}_e$	$-5.977 \cdot 10^{-8}$	$-5.977 \cdot 10^{-8}$	0	$7.895 \cdot 10^{-10}$	$7.895 \cdot 10^{-10}$	0
$HH \to W^-u\bar{d}$	$-3.057 \cdot 10^{-8}$	$-3.057 \cdot 10^{-8}$	0	$8.084 \cdot 10^{-10}$	$8.084 \cdot 10^{-10}$	0
$HH \to z\bar{b}b$	$-3.127 \cdot 10^{-6}$	$-3.127 \cdot 10^{-6}$	0	$5.759 \cdot 10^{-6}$	$5.759 \cdot 10^{-6}$	0
$HH \to z\nu_e\bar{\nu}_e$	$-8.286 \cdot 10^{-8}$	$-8.286 \cdot 10^{-8}$	0	$8.479 \cdot 10^{-7}$	$8.479 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$-6.661 \cdot 10^{-6}$	$-6.661 \cdot 10^{-6}$	0	$1.173 \cdot 10^{-6}$	$1.173 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	$-4.954 \cdot 10^{-8}$	$-4.954 \cdot 10^{-8}$	0	$5.461 \cdot 10^{-9}$	$5.461 \cdot 10^{-9}$	0
$HH \to ze^+e^-$	$1.648 \cdot 10^{-9}$	$1.648 \cdot 10^{-9}$	0	$1.166 \cdot 10^{-9}$	$1.166 \cdot 10^{-9}$	0
$HH \to zt\bar{t}$	-0.001142	-0.001142	0	$5.237 \cdot 10^{-5}$	$5.237 \cdot 10^{-5}$	0
$HH \to zz$	-3.051	-3.051	0	0.3549	0.3549	0
$HW^+ \to \gamma t\bar{b}$	$-7.148 \cdot 10^{-7}$	$-7.148 \cdot 10^{-7}$	0	$2.318 \cdot 10^{-8}$	$2.318 \cdot 10^{-8}$	0
$HW^+ \to \gamma u\bar{d}$	$-1.174 \cdot 10^{-9}$	$-1.174 \cdot 10^{-9}$	0	$3.808 \cdot 10^{-11}$	$3.808 \cdot 10^{-11}$	0
$HW^+ \to u\bar{d}$	$-6.155 \cdot 10^{-5}$	$-6.155 \cdot 10^{-5}$	0	$4.665 \cdot 10^{-7}$	$4.665 \cdot 10^{-7}$	0
$HW^- \to \bar{t}b$	-0.002694	-0.002694	0	$2.042 \cdot 10^{-5}$	$2.042 \cdot 10^{-5}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-9.507 \cdot 10^{-8}$	$-9.507 \cdot 10^{-8}$	0	$3.083 \cdot 10^{-9}$	$3.083 \cdot 10^{-9}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	$-5.506 \cdot 10^{-5}$	$-5.506 \cdot 10^{-5}$	0	$4.172 \cdot 10^{-7}$	$4.172 \cdot 10^{-7}$	0

$H\gamma \to b\bar{b}$	0	0	0	0	$2.101 \cdot 10^{-38}$	∞
$H\gamma \to c\bar{c}$	0	0	0	0	$8.737 \cdot 10^{-39}$	∞
$H\gamma \to d\bar{d}$	0	0	0	0	$1.498 \cdot 10^{-38}$	∞
$H\gamma \to e^+e^-$	0	0	0	0	$2.607 \cdot 10^{-39}$	∞
$H\gamma \to t\bar{t}$	-0.4668	-0.4668	0	0.01514	0.01514	0
$Hz \to \mu^+\mu^-$	$2.599 \cdot 10^{-5}$	$2.599 \cdot 10^{-5}$	0	$1.852 \cdot 10^{-5}$	$1.852 \cdot 10^{-5}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$2.593 \cdot 10^{-18}$	$-1.899 \cdot 10^{-19}$	1.073	$5.162 \cdot 10^{-34}$	$1.09 \cdot 10^{-35}$	0.9789
$Hz \to b\bar{b}$	0.0002605	0.0002605	0	$5.86 \cdot 10^{-6}$	$5.86 \cdot 10^{-6}$	0
$Hz \to s\bar{s}$	0.0004196	0.0004196	0	$9.438 \cdot 10^{-6}$	$9.438 \cdot 10^{-6}$	0
$Hz \to t\bar{t}$	0.01187	0.01187	0	0.01734	0.01734	0
$Hz \to u\bar{u}$	0.0004312	0.0004312	0	$3.544 \cdot 10^{-5}$	$3.544 \cdot 10^{-5}$	0
$W^+W^- \to Hb\bar{b}$	$-2.263 \cdot 10^{-6}$	$-2.263 \cdot 10^{-6}$	0	$1.817 \cdot 10^{-8}$	$1.817 \cdot 10^{-8}$	0
$W^+W^- \to Hc\bar{c}$	$-5.858 \cdot 10^{-8}$	$-5.858 \cdot 10^{-8}$	0	$9.409 \cdot 10^{-10}$	$9.409 \cdot 10^{-10}$	0
$W^+W^- \to Hd\bar{d}$	$-2.381 \cdot 10^{-7}$	$-2.381 \cdot 10^{-7}$	0	$5.522 \cdot 10^{-9}$	$5.522 \cdot 10^{-9}$	0
$W^+W^- \to Ht\bar{t}$	$4.647 \cdot 10^{-7}$	$4.647 \cdot 10^{-7}$	0	$3.284 \cdot 10^{-7}$	$3.284 \cdot 10^{-7}$	0
$W^+W^- \to W^+W^-$	0.2385	0.2385	0	0.003917	0.003917	0
$W^+W^- \to \gamma\gamma$	-0.05042	-0.05042	0	0.002506	0.002506	0
$W^+W^- \to \gamma\gamma\gamma$	$-1.253 \cdot 10^{-7}$	$-1.253 \cdot 10^{-7}$	0	$9.342 \cdot 10^{-9}$	$9.342 \cdot 10^{-9}$	0
$\gamma W^+ \to zW^+$	-0.02891	-0.02891	0	0.0004993	0.0004993	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.001636	-0.001636	0	0.000105	0.000105	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	$-6.399 \cdot 10^{-10}$	$-6.399 \cdot 10^{-10}$	0	$9.699 \cdot 10^{-12}$	$9.699 \cdot 10^{-12}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$-6.091 \cdot 10^{-5}$	$-6.091 \cdot 10^{-5}$	0	$9.231 \cdot 10^{-7}$	$9.231 \cdot 10^{-7}$	0
$b\bar{b} \to \gamma\gamma$	$-2.579 \cdot 10^{-5}$	$-2.579 \cdot 10^{-5}$	0	$1.282 \cdot 10^{-6}$	$1.282 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$-3.766 \cdot 10^{-5}$	$-3.766 \cdot 10^{-5}$	0	$3.905 \cdot 10^{-6}$	$3.905 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-8.526 \cdot 10^{-5}$	$-8.526 \cdot 10^{-5}$	0	$5.429 \cdot 10^{-7}$	$5.429 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	0.04911	0.04911	0	0.001015	0.001015	0
$b\bar{b} \to d\bar{d}$	$-2.49 \cdot 10^{-5}$	$-2.49 \cdot 10^{-5}$	0	$1.591 \cdot 10^{-6}$	$1.591 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	0.0005287	0.0005287	0	$3.896 \cdot 10^{-6}$	$3.896 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	$-4.27 \cdot 10^{-5}$	$-4.27 \cdot 10^{-5}$	0	$3.468 \cdot 10^{-6}$	$3.468 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+\mu^-$	-0.0004276	-0.0004276	0	$2.432 \cdot 10^{-5}$	$2.432 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	$-4.539 \cdot 10^{-5}$	$-4.539 \cdot 10^{-5}$	0	$4.654 \cdot 10^{-6}$	$4.654 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$-4.596 \cdot 10^{-5}$	$-4.596 \cdot 10^{-5}$	0	$3.546 \cdot 10^{-6}$	$3.546 \cdot 10^{-6}$	0
$d\bar{d} \to s\bar{s}$	$-2.379 \cdot 10^{-5}$	$-2.379 \cdot 10^{-5}$	0	$1.268 \cdot 10^{-6}$	$1.268 \cdot 10^{-6}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.00425	-0.00425	0	0.0003594	0.0003594	0
$e^+\nu_e \to e^+\nu_e$	-0.002606	-0.002606	0	0.000272	0.000272	0
$e^+\tau^- \to e^+\tau^-$	-0.1186	-0.1186	0	0.006855	0.006855	0
$e^+e^- \to \mu^+\mu^-$	-0.001687	-0.001687	0	$9.927 \cdot 10^{-5}$	$9.927 \cdot 10^{-5}$	0
$e^+e^- \to e^+e^-$	-0.004634	-0.004634	0	0.0003	0.0003	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-8.614 \cdot 10^{-5}$	$-8.614 \cdot 10^{-5}$	0	$5.456 \cdot 10^{-7}$	$5.456 \cdot 10^{-7}$	0
$s\bar{s} \to s\bar{s}$	0.0007916	0.0007916	0	$5.075 \cdot 10^{-6}$	$5.075 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-3.192 \cdot 10^{-5}$	$-3.192 \cdot 10^{-5}$	0	$4.014 \cdot 10^{-6}$	$4.014 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	-0.000194	-0.000194	0	$1.13 \cdot 10^{-5}$	$1.13 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	-0.0005916	-0.0005916	0	$3.417 \cdot 10^{-5}$	$3.417 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	$-3.913 \cdot 10^{-5}$	$-3.913 \cdot 10^{-5}$	0	$4.949 \cdot 10^{-6}$	$4.949 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	$-6.535 \cdot 10^{-5}$	$-6.535 \cdot 10^{-5}$	0	$9.092 \cdot 10^{-6}$	$9.092 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	0.02978	0.02978	0	0.0008438	0.0008438	0
$u\bar{d} \to u\bar{d}$	-0.0001387	-0.0001387	0	$1.043 \cdot 10^{-5}$	$1.043 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$8.528 \cdot 10^{-5}$	$8.528 \cdot 10^{-5}$	0	$6.301 \cdot 10^{-7}$	$6.301 \cdot 10^{-7}$	0
$u\bar{u} \to c\bar{c}$	-0.0002058	-0.0002058	0	$1.229 \cdot 10^{-5}$	$1.229 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	0.03379	0.03379	0	0.0004686	0.0004686	0
$zz \to W^+W^-$	0.1724	0.1724	0	0.003534	0.003534	0
$zz \to zz$	0.00494	0.00494	0	$7.488 \cdot 10^{-5}$	$7.488 \cdot 10^{-5}$	0

2.19 cpG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \to t\bar{t}$	-0.06294	-0.06294	0	0.04035	0.04035	0

2.20 cpQ3

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
$HH \to W^+\bar{t}b$	$9.969 \cdot 10^{-6}$	$9.969 \cdot 10^{-6}$	0	$1.821 \cdot 10^{-6}$	$1.821 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$2.897 \cdot 10^{-6}$	$2.897 \cdot 10^{-6}$	0	$5.771 \cdot 10^{-7}$	$5.771 \cdot 10^{-7}$	0
$HW^+ \to \gamma t\bar{b}$	$-2.031 \cdot 10^{-6}$	$-2.031 \cdot 10^{-6}$	0	$1.238 \cdot 10^{-6}$	$1.238 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	-0.4097	-0.4097	0	0.7585	0.7585	0
$Hz \to b\bar{b}$	0.3027	0.3027	0	2.632	2.632	0
$W^+W^- \to Hb\bar{b}$	$-1.37 \cdot 10^{-5}$	$-1.37 \cdot 10^{-5}$	0	$7.892 \cdot 10^{-7}$	$7.892 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$5.269 \cdot 10^{-6}$	$5.269 \cdot 10^{-6}$	0	$1.237 \cdot 10^{-5}$	$1.237 \cdot 10^{-5}$	0
$\bar{b}t \to \bar{d}u$	$1.095 \cdot 10^{-5}$	$1.095 \cdot 10^{-5}$	0	$3.319 \cdot 10^{-7}$	$3.319 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	0.0001581	0.0001581	0	$1.164 \cdot 10^{-5}$	$1.164 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.001016	0.001016	0	$7.299 \cdot 10^{-5}$	$7.299 \cdot 10^{-5}$	0
$b\bar{b} \to b\bar{b}$	0.089	0.089	0	0.1409	0.1409	0
$b\bar{b} \to d\bar{d}$	$4.336 \cdot 10^{-5}$	$4.336 \cdot 10^{-5}$	0	$6.704 \cdot 10^{-6}$	$6.704 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.01428	-0.01428	0	0.003668	0.003668	0
$b\bar{b} \to u\bar{u}$	0.0003175	0.0003175	0	$2.648 \cdot 10^{-5}$	$2.648 \cdot 10^{-5}$	0
$b\bar{t} \to e^-\bar{\nu}_e$	0.000632	0.000632	0	$1.916 \cdot 10^{-5}$	$1.916 \cdot 10^{-5}$	0

2.21 cpQM

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
$HH \to z\bar{b}b$	$1.448 \cdot 10^{-6}$	$1.448 \cdot 10^{-6}$	0	$1.443 \cdot 10^{-7}$	$1.443 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$9.885 \cdot 10^{-5}$	$9.885 \cdot 10^{-5}$	0	$8.445 \cdot 10^{-5}$	$8.445 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	0.1514	0.1514	0	0.6579	0.6579	0
$Hz \to t\bar{t}$	2.071	2.071	0	1.276	1.276	0
$W^+W^- \to Hb\bar{b}$	$-2.866 \cdot 10^{-6}$	$-2.866 \cdot 10^{-6}$	0	$8.167 \cdot 10^{-8}$	$8.167 \cdot 10^{-8}$	0

$W^+W^- \to Ht\bar{t}$	$2.996 \cdot 10^{-7}$	$2.996 \cdot 10^{-7}$	0	$3.35 \cdot 10^{-6}$	$3.35 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$7.905 \cdot 10^{-5}$	$7.905 \cdot 10^{-5}$	0	$2.909 \cdot 10^{-6}$	$2.909 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.0005082	0.0005082	0	$1.825 \cdot 10^{-5}$	$1.825 \cdot 10^{-5}$	0
$b\bar{b} \to b\bar{b}$	0.0445	0.0445	0	0.03522	0.03522	0
$b\bar{b} \to d\bar{d}$	$2.168 \cdot 10^{-5}$	$2.168 \cdot 10^{-5}$	0	$1.676 \cdot 10^{-6}$	$1.676 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.0007485	-0.0007485	0	$7.006 \cdot 10^{-6}$	$7.006 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	0.0001588	0.0001588	0	$6.62 \cdot 10^{-6}$	$6.62 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-9.147 \cdot 10^{-5}$	$-9.147 \cdot 10^{-5}$	0	$4.341 \cdot 10^{-6}$	$4.341 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	$1.967 \cdot 10^{-7}$	$1.967 \cdot 10^{-7}$	0	$3.315 \cdot 10^{-6}$	$3.315 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	-0.0007421	-0.0007421	0	$2.03 \cdot 10^{-5}$	$2.03 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	-0.0003438	-0.0003438	0	$1.286 \cdot 10^{-5}$	$1.286 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	-0.0008773	-0.0008773	0	$3.081 \cdot 10^{-5}$	$3.081 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.05086	0.05086	0	0.008462	0.008462	0

2.22 cpW

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$HH \to Hzz$	$-1.65 \cdot 10^{-6}$	$-1.65 \cdot 10^{-6}$	0	$1.073 \cdot 10^{-5}$	$1.073 \cdot 10^{-5}$	0
$HH \to W^+W^-$	0.01965	0.01965	0	8.275	8.275	0
$HH \to W^+W^-\gamma$	$4.311 \cdot 10^{-6}$	$4.311 \cdot 10^{-6}$	0	0.0002901	0.0002901	0
$HH \to W^+\bar{t}b$	$-3.577 \cdot 10^{-6}$	$-3.577 \cdot 10^{-6}$	0	$1.159 \cdot 10^{-5}$	$1.159 \cdot 10^{-5}$	0
$HH \to W^+e^-\bar{\nu}_e$	$6.102 \cdot 10^{-7}$	$6.102 \cdot 10^{-7}$	0	$5.121 \cdot 10^{-7}$	$5.121 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	$8.53 \cdot 10^{-7}$	$8.53 \cdot 10^{-7}$	0	$1.389 \cdot 10^{-6}$	$1.389 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$7.167 \cdot 10^{-6}$	$7.167 \cdot 10^{-6}$	0	0.0001262	0.0001262	0
$HH \to z\nu_e\bar{\nu}_e$	$8.233 \cdot 10^{-7}$	$8.233 \cdot 10^{-7}$	0	$1.197 \cdot 10^{-5}$	$1.197 \cdot 10^{-5}$	0
$HH \to zc\bar{c}$	$7.22 \cdot 10^{-6}$	$7.22 \cdot 10^{-6}$	0	$3.827 \cdot 10^{-5}$	$3.827 \cdot 10^{-5}$	0
$HH \to zd\bar{d}$	$1.027 \cdot 10^{-6}$	$1.027 \cdot 10^{-6}$	0	$2.435 \cdot 10^{-6}$	$2.435 \cdot 10^{-6}$	0
$HH \to ze^+e^-$	$1.496 \cdot 10^{-7}$	$1.496 \cdot 10^{-7}$	0	$3.311 \cdot 10^{-7}$	$3.311 \cdot 10^{-7}$	0

$HH \to zt\bar{t}$	-0.0003308	-0.0003308	0	0.0001527	0.0001527	0
$HH \to zz$	0.1906	0.1906	0	3.109	3.109	0
$HW^+ \to \gamma t\bar{b}$	$-1.568 \cdot 10^{-7}$	$-1.568 \cdot 10^{-7}$	0	$1.976 \cdot 10^{-7}$	$1.976 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$5.896 \cdot 10^{-9}$	$5.896 \cdot 10^{-9}$	0	$3.486 \cdot 10^{-8}$	$3.486 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	0.02126	0.02126	0	0.1012	0.1012	0
$HW^- \to \bar{t}b$	-0.06915	-0.06915	0	0.0877	0.0877	0
$HW^- \to \gamma e^- \bar{\nu}_e$	$6.494 \cdot 10^{-7}$	$6.494 \cdot 10^{-7}$	0	$2.882 \cdot 10^{-6}$	$2.882 \cdot 10^{-6}$	0
$HW^- \to \mu^- \bar{\nu}_\mu$	0.006521	0.006521	0	0.03102	0.03102	0
$H\gamma \to b\bar{b}$	0	0	0	0.01776	0.01776	0
$H\gamma \to c\bar{c}$	0	0	0	0.009509	0.009509	0
$H\gamma \to d\bar{d}$	0	0	0	0.01267	0.01267	0
$H\gamma \to e^+ e^-$	0	0	0	0.003218	0.003218	0
$H\gamma \to t\bar{t}$	-0.3331	-0.3331	0	0.01682	0.01682	0
$Hz \to \mu^+ \mu^-$	0.001732	0.001732	0	0.009018	0.009018	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	0.003507	0.003507	0	0.009796	0.009796	0
$Hz \to b\bar{b}$	0.00839	0.00839	0	0.02772	0.02772	0
$Hz \to s\bar{s}$	0.006024	0.006024	0	0.0199	0.0199	0
$Hz \to t\bar{t}$	-0.05277	-0.05277	0	0.02832	0.02832	0
$Hz \to u\bar{u}$	0.005228	0.005228	0	0.02114	0.02114	0
$W^+ W^- \to Hb\bar{b}$	$-1.164 \cdot 10^{-5}$	$-1.164 \cdot 10^{-5}$	0	$8.676 \cdot 10^{-7}$	$8.676 \cdot 10^{-7}$	0
$W^+ W^- \to Hc\bar{c}$	$-3.742 \cdot 10^{-7}$	$-3.742 \cdot 10^{-7}$	0	$4.057 \cdot 10^{-7}$	$4.057 \cdot 10^{-7}$	0
$W^+ W^- \to Hd\bar{d}$	$-2.997 \cdot 10^{-7}$	$-2.997 \cdot 10^{-7}$	0	$1.854 \cdot 10^{-7}$	$1.854 \cdot 10^{-7}$	0
$W^+ W^- \to Ht\bar{t}$	$-3.776 \cdot 10^{-7}$	$-3.776 \cdot 10^{-7}$	0	$1.108 \cdot 10^{-5}$	$1.108 \cdot 10^{-5}$	0
$W^+ W^- \to W^+ W^-$	0.256	0.256	0	2.832	2.832	0
$W^+ W^- \to \gamma\gamma$	-0.0136	-0.0136	0	0.02506	0.02506	0
$W^+ W^- \to \gamma\gamma\gamma$	$1.787 \cdot 10^{-9}$	$1.787 \cdot 10^{-9}$	0	$6.97 \cdot 10^{-9}$	$6.97 \cdot 10^{-9}$	0
$\gamma W^+ \to zW^+$	0.05137	0.05137	0	0.07334	0.07334	0
$zz \to W^+ W^-$	-0.3629	-0.3629	0	1.42	1.42	0
$zz \to zz$	0.006011	0.006011	0	0.7863	0.7863	0

2.23 cpWB

	interference			square		
	mod1	mod2	$1 - \texttt{mod2/mod1}$	mod1	mod2	$1 - \texttt{mod2/mod1}$
$HH \to Hzz$	$-9.114 \cdot 10^{-7}$	$-9.114 \cdot 10^{-7}$	0	$3.274 \cdot 10^{-6}$	$3.274 \cdot 10^{-6}$	0
$HH \to W^+W^-\gamma$	$-2.056 \cdot 10^{-6}$	$-2.056 \cdot 10^{-6}$	0	$3.785 \cdot 10^{-5}$	$3.785 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$3.4 \cdot 10^{-6}$	$3.4 \cdot 10^{-6}$	0	$2.61 \cdot 10^{-5}$	$2.61 \cdot 10^{-5}$	0
$HH \to z\nu_e\bar{\nu}_e$	$4.546 \cdot 10^{-7}$	$4.546 \cdot 10^{-7}$	0	$3.651 \cdot 10^{-6}$	$3.651 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$3.101 \cdot 10^{-6}$	$3.101 \cdot 10^{-6}$	0	$6.904 \cdot 10^{-6}$	$6.904 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	$4.234 \cdot 10^{-7}$	$4.234 \cdot 10^{-7}$	0	$4.163 \cdot 10^{-7}$	$4.163 \cdot 10^{-7}$	0
$HH \to ze^+e^-$	$7.352 \cdot 10^{-8}$	$7.352 \cdot 10^{-8}$	0	$9.442 \cdot 10^{-8}$	$9.442 \cdot 10^{-8}$	0
$HH \to zt\bar{t}$	$-9.45 \cdot 10^{-5}$	$-9.45 \cdot 10^{-5}$	0	$4.588 \cdot 10^{-5}$	$4.588 \cdot 10^{-5}$	0
$HH \to zz$	0.1053	0.1053	0	0.9481	0.9481	0
$HW^+ \to \gamma t\bar{b}$	$-1.645 \cdot 10^{-6}$	$-1.645 \cdot 10^{-6}$	0	$1.21 \cdot 10^{-6}$	$1.21 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	$5.156 \cdot 10^{-8}$	$5.156 \cdot 10^{-8}$	0	$2.481 \cdot 10^{-7}$	$2.481 \cdot 10^{-7}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-3.873 \cdot 10^{-8}$	$-3.873 \cdot 10^{-8}$	0	$2.671 \cdot 10^{-8}$	$2.671 \cdot 10^{-8}$	0
$H\gamma \to b\bar{b}$	0	0	0	0.0123	0.0123	0
$H\gamma \to c\bar{c}$	0	0	0	0.01068	0.01068	0
$H\gamma \to d\bar{d}$	0	0	0	0.008772	0.008772	0
$H\gamma \to e^+e^-$	0	0	0	0.005437	0.005437	0
$H\gamma \to t\bar{t}$	-0.336	-0.336	0	0.0132	0.0132	0
$Hz \to \mu^+\mu^-$	0.000869	0.000869	0	0.002679	0.002679	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.001937	0.001937	0	0.002987	0.002987	0
$Hz \to b\bar{b}$	0.003671	0.003671	0	0.004756	0.004756	0
$Hz \to s\bar{s}$	0.002892	0.002892	0	0.003421	0.003421	0
$Hz \to t\bar{t}$	-0.01278	-0.01278	0	0.005853	0.005853	0
$Hz \to u\bar{u}$	0.002317	0.002317	0	0.003583	0.003583	0
$W^+W^- \to Hb\bar{b}$	$-8.605 \cdot 10^{-7}$	$-8.605 \cdot 10^{-7}$	0	$1.284 \cdot 10^{-8}$	$1.284 \cdot 10^{-8}$	0
$W^+W^- \to Hc\bar{c}$	$4.302 \cdot 10^{-8}$	$4.302 \cdot 10^{-8}$	0	$5.384 \cdot 10^{-8}$	$5.384 \cdot 10^{-8}$	0

$W^+W^- \to Hd\bar{d}$	$-1.855 \cdot 10^{-7}$	$-1.855 \cdot 10^{-7}$	0	$5.966 \cdot 10^{-8}$	$5.966 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$-2.035 \cdot 10^{-7}$	$-2.035 \cdot 10^{-7}$	0	$2.461 \cdot 10^{-7}$	$2.461 \cdot 10^{-7}$	0
$W^+W^- \to W^+W^-$	0.3563	0.3563	0	0.03758	0.03758	0
$W^+W^- \to \gamma\gamma$	-0.0936	-0.0936	0	0.09527	0.09527	0
$W^+W^- \to \gamma\gamma\gamma$	$-2.454 \cdot 10^{-7}$	$-2.454 \cdot 10^{-7}$	0	$1.527 \cdot 10^{-7}$	$1.527 \cdot 10^{-7}$	0
$\gamma W^+ \to z W^+$	0.06231	0.06231	0	0.4605	0.4605	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.004091	-0.004091	0	0.0006552	0.0006552	0
$\nu_\tau \bar{\nu}_\tau \to \nu_\tau \bar{\nu}_\tau$	$-2.743 \cdot 10^{-23}$	0	1	$2.81 \cdot 10^{-38}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$1.718 \cdot 10^{-20}$	0	1	$7.347 \cdot 10^{-38}$	0	1
$b\bar{b} \to \gamma\gamma$	$-5.697 \cdot 10^{-5}$	$-5.697 \cdot 10^{-5}$	0	$6.254 \cdot 10^{-6}$	$6.254 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$-7.758 \cdot 10^{-5}$	$-7.758 \cdot 10^{-5}$	0	$1.167 \cdot 10^{-5}$	$1.167 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	0.0001429	0.0001429	0	$1.478 \cdot 10^{-6}$	$1.478 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	0.09982	0.09982	0	0.002873	0.002873	0
$b\bar{b} \to d\bar{d}$	$2.075 \cdot 10^{-5}$	$2.075 \cdot 10^{-5}$	0	$1.092 \cdot 10^{-6}$	$1.092 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.0004837	-0.0004837	0	$1.582 \cdot 10^{-5}$	$1.582 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	$-2.434 \cdot 10^{-5}$	$-2.434 \cdot 10^{-5}$	0	$1.224 \cdot 10^{-5}$	$1.224 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	-0.0009423	-0.0009423	0	$8.235 \cdot 10^{-5}$	$8.235 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	$-5.078 \cdot 10^{-5}$	$-5.078 \cdot 10^{-5}$	0	$1.454 \cdot 10^{-5}$	$1.454 \cdot 10^{-5}$	0
$d\bar{d} \to e^+e^-$	$-5.589 \cdot 10^{-5}$	$-5.589 \cdot 10^{-5}$	0	$1.166 \cdot 10^{-5}$	$1.166 \cdot 10^{-5}$	0
$d\bar{d} \to s\bar{s}$	$2.531 \cdot 10^{-5}$	$2.531 \cdot 10^{-5}$	0	$1.277 \cdot 10^{-6}$	$1.277 \cdot 10^{-6}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.002837	-0.002837	0	0.0003124	0.0003124	0
$e^+\nu_e \to e^+\nu_e$	-0.001062	-0.001062	0	0.0002278	0.0002278	0
$e^+\tau^- \to e^+\tau^-$	-0.2659	-0.2659	0	0.03243	0.03243	0
$e^+e^- \to \mu^+\mu^-$	-0.003798	-0.003798	0	0.0004732	0.0004732	0
$e^+e^- \to e^+e^-$	-0.01175	-0.01175	0	0.00193	0.00193	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0.0001445	0.0001445	0	$1.492 \cdot 10^{-6}$	$1.492 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	0.0007159	0.0007159	0	$5.925 \cdot 10^{-6}$	$5.925 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$1.169 \cdot 10^{-5}$	$1.169 \cdot 10^{-5}$	0	$4.502 \cdot 10^{-6}$	$4.502 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	-0.000511	-0.000511	0	$7.759 \cdot 10^{-5}$	$7.759 \cdot 10^{-5}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	-0.001371	-0.001371	0	0.0001145	0.0001145	0
$t\bar{t} \to d\bar{d}$	$-6.854 \cdot 10^{-5}$	$-6.854 \cdot 10^{-5}$	0	$1.623 \cdot 10^{-5}$	$1.623 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	-0.0001353	-0.0001353	0	$2.694 \cdot 10^{-5}$	$2.694 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.01443	0.01443	0	0.0003298	0.0003298	0
$u\bar{d} \to u\bar{d}$	$-4.838 \cdot 10^{-5}$	$-4.838 \cdot 10^{-5}$	0	$4.201 \cdot 10^{-5}$	$4.201 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0.0002889	0.0002889	0	$7.181 \cdot 10^{-6}$	$7.181 \cdot 10^{-6}$	0
$u\bar{u} \to c\bar{c}$	-0.0005282	-0.0005282	0	$7.038 \cdot 10^{-5}$	$7.038 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	0.06241	0.06241	0	0.002881	0.002881	0
$zz \to W^+W^-$	0.2204	0.2204	0	0.182	0.182	0
$zz \to zz$	0.00332	0.00332	0	0.2398	0.2398	0

2.24 cpd

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-2.687 \cdot 10^{-7}$	$-2.687 \cdot 10^{-7}$	0	$1.45 \cdot 10^{-7}$	$1.45 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$-1.132 \cdot 10^{-6}$	$-1.132 \cdot 10^{-6}$	0	$9.386 \cdot 10^{-6}$	$9.386 \cdot 10^{-6}$	0
$Hz \to b\bar{b}$	-0.02794	-0.02794	0	0.6579	0.6579	0
$Hz \to s\bar{s}$	-0.04471	-0.04471	0	1.046	1.046	0
$W^+W^- \to Hb\bar{b}$	$-6.48 \cdot 10^{-9}$	$-6.48 \cdot 10^{-9}$	0	$8.169 \cdot 10^{-8}$	$8.169 \cdot 10^{-8}$	0
$W^+W^- \to Hd\bar{d}$	$-4.284 \cdot 10^{-8}$	$-4.284 \cdot 10^{-8}$	0	$1.416 \cdot 10^{-7}$	$1.416 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	$-7.422 \cdot 10^{-6}$	$-7.422 \cdot 10^{-6}$	0	$2.992 \cdot 10^{-6}$	$2.992 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-1.666 \cdot 10^{-6}$	$-1.666 \cdot 10^{-6}$	0	$3.241 \cdot 10^{-7}$	$3.241 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	0.04578	0.04578	0	0.02161	0.02161	0
$b\bar{b} \to d\bar{d}$	-0.0001841	-0.0001841	0	$8.948 \cdot 10^{-5}$	$8.948 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	$7.118 \cdot 10^{-5}$	$7.118 \cdot 10^{-5}$	0	$2.568 \cdot 10^{-5}$	$2.568 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	$2.122 \cdot 10^{-5}$	$2.122 \cdot 10^{-5}$	0	$1.593 \cdot 10^{-5}$	$1.593 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	$-1.86 \cdot 10^{-5}$	$-1.86 \cdot 10^{-5}$	0	$9.864 \cdot 10^{-6}$	$9.864 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$2.19 \cdot 10^{-5}$	$2.19 \cdot 10^{-5}$	0	$3.756 \cdot 10^{-6}$	$3.756 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to s\bar{s}$	-0.0001323	-0.0001323	0	$6.31 \cdot 10^{-5}$	$6.31 \cdot 10^{-5}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$-1.532 \cdot 10^{-6}$	$-1.532 \cdot 10^{-6}$	0	$2.98 \cdot 10^{-7}$	$2.98 \cdot 10^{-7}$	0
$s\bar{s} \to s\bar{s}$	0.0004755	0.0004755	0	0.0002541	0.0002541	0
$t\bar{t} \to d\bar{d}$	$-5.234 \cdot 10^{-6}$	$-5.234 \cdot 10^{-6}$	0	$1.025 \cdot 10^{-5}$	$1.025 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	$-7.782 \cdot 10^{-5}$	$-7.782 \cdot 10^{-5}$	0	$5.32 \cdot 10^{-6}$	$5.32 \cdot 10^{-6}$	0
$u\bar{d} \to u\bar{d}$	0.0001392	0.0001392	0	$6.444 \cdot 10^{-5}$	$6.444 \cdot 10^{-5}$	0

2.25 cpq3i

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^- u\bar{d}$	$7.216 \cdot 10^{-6}$	$7.216 \cdot 10^{-6}$	0	$2.059 \cdot 10^{-5}$	$2.059 \cdot 10^{-5}$	0
$HH \to z d\bar{d}$	$1.228 \cdot 10^{-5}$	$1.228 \cdot 10^{-5}$	0	$3.76 \cdot 10^{-5}$	$3.76 \cdot 10^{-5}$	0
$HW^+ \to \gamma u\bar{d}$	$1.447 \cdot 10^{-7}$	$1.447 \cdot 10^{-7}$	0	$5.782 \cdot 10^{-7}$	$5.782 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	0.03864	0.03864	0	0.1838	0.1838	0
$Hz \to s\bar{s}$	0.4845	0.4845	0	4.184	4.184	0
$W^+W^- \to Hc\bar{c}$	$-1.921 \cdot 10^{-6}$	$-1.921 \cdot 10^{-6}$	0	$2.379 \cdot 10^{-6}$	$2.379 \cdot 10^{-6}$	0
$W^+W^- \to Hd\bar{d}$	$1.278 \cdot 10^{-8}$	$1.278 \cdot 10^{-8}$	0	$4.53 \cdot 10^{-6}$	$4.53 \cdot 10^{-6}$	0
$\bar{b}t \to \bar{d}u$	$1.095 \cdot 10^{-5}$	$1.095 \cdot 10^{-5}$	0	$3.319 \cdot 10^{-7}$	$3.319 \cdot 10^{-7}$	0
$b\bar{b} \to d\bar{d}$	$4.336 \cdot 10^{-5}$	$4.336 \cdot 10^{-5}$	0	$6.704 \cdot 10^{-6}$	$6.704 \cdot 10^{-6}$	0
$c\bar{s} \to \tau^+ \nu_\tau$	0.0002085	0.0002085	0	$6.32 \cdot 10^{-6}$	$6.32 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	0.0006426	0.0006426	0	$4.085 \cdot 10^{-5}$	$4.085 \cdot 10^{-5}$	0
$d\bar{d} \to e^+ e^-$	0.0001057	0.0001057	0	$1.251 \cdot 10^{-5}$	$1.251 \cdot 10^{-5}$	0
$d\bar{d} \to s\bar{s}$	0.0003167	0.0003167	0	$4.335 \cdot 10^{-5}$	$4.335 \cdot 10^{-5}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0.001028	0.001028	0	$7.379 \cdot 10^{-5}$	$7.379 \cdot 10^{-5}$	0
$s\bar{s} \to s\bar{s}$	-0.009319	-0.009319	0	0.0002029	0.0002029	0
$t\bar{t} \to d\bar{d}$	0.0005843	0.0005843	0	$3.708 \cdot 10^{-5}$	$3.708 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	0.001414	0.001414	0	$7.976 \cdot 10^{-5}$	$7.976 \cdot 10^{-5}$	0
$u\bar{d} \to \mu^+ \nu_\mu$	$3.502 \cdot 10^{-5}$	$3.502 \cdot 10^{-5}$	0	$1.061 \cdot 10^{-6}$	$1.061 \cdot 10^{-6}$	0

$u\bar{d} \to c\bar{s}$	0.001302	0.001302	0	$7.891 \cdot 10^{-5}$	$7.891 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	-0.002019	-0.002019	0	0.0001509	0.0001509	0

2.26 cpqMi

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to zc\bar{c}$	$-8.179 \cdot 10^{-6}$	$-8.179 \cdot 10^{-6}$	0		$1.814 \cdot 10^{-6}$	$1.814 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	$6.14 \cdot 10^{-6}$	$6.14 \cdot 10^{-6}$	0		$9.399 \cdot 10^{-6}$	$9.399 \cdot 10^{-6}$	0
$Hz \to s\bar{s}$	0.2422	0.2422	0		1.046	1.046	0
$Hz \to u\bar{u}$	-0.1854	-0.1854	0		0.982	0.982	0
$W^+W^- \to Hc\bar{c}$	$-1.221 \cdot 10^{-7}$	$-1.221 \cdot 10^{-7}$	0		$2.264 \cdot 10^{-7}$	$2.264 \cdot 10^{-7}$	0
$W^+W^- \to Hd\bar{d}$	$9.172 \cdot 10^{-7}$	$9.172 \cdot 10^{-7}$	0		$1.42 \cdot 10^{-7}$	$1.42 \cdot 10^{-7}$	0
$b\bar{b} \to d\bar{d}$	$2.168 \cdot 10^{-5}$	$2.168 \cdot 10^{-5}$	0		$1.676 \cdot 10^{-6}$	$1.676 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	-0.0001438	-0.0001438	0		$6.047 \cdot 10^{-6}$	$6.047 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^+\mu^-$	-0.000191	-0.000191	0		$4.056 \cdot 10^{-6}$	$4.056 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$-4.556 \cdot 10^{-5}$	$-4.556 \cdot 10^{-5}$	0		$2.515 \cdot 10^{-6}$	$2.515 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$5.285 \cdot 10^{-5}$	$5.285 \cdot 10^{-5}$	0		$3.126 \cdot 10^{-6}$	$3.126 \cdot 10^{-6}$	0
$d\bar{d} \to s\bar{s}$	0.0001584	0.0001584	0		$1.084 \cdot 10^{-5}$	$1.084 \cdot 10^{-5}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0.0005138	0.0005138	0		$1.845 \cdot 10^{-5}$	$1.845 \cdot 10^{-5}$	0
$s\bar{s} \to s\bar{s}$	-0.004659	-0.004659	0		$5.071 \cdot 10^{-5}$	$5.071 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	-0.000734	-0.000734	0		$1.941 \cdot 10^{-5}$	$1.941 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	0.0002921	0.0002921	0		$9.271 \cdot 10^{-6}$	$9.271 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	0.0007069	0.0007069	0		$1.994 \cdot 10^{-5}$	$1.994 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	0.0001133	0.0001133	0		$1.65 \cdot 10^{-5}$	$1.65 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	-0.0005121	-0.0005121	0		$2.255 \cdot 10^{-5}$	$2.255 \cdot 10^{-5}$	0
$u\bar{u} \to c\bar{c}$	-0.0004139	-0.0004139	0		$2.888 \cdot 10^{-5}$	$2.888 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	0.04642	0.04642	0		0.001015	0.001015	0

2.27 cpt

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$-4.043 \cdot 10^{-5}$	$-4.043 \cdot 10^{-5}$	0	$8.438 \cdot 10^{-5}$	$8.438 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	-2.198	-2.198	0	1.276	1.276	0
$W^+W^- \to Ht\bar{t}$	$-2.563 \cdot 10^{-6}$	$-2.563 \cdot 10^{-6}$	0	$3.351 \cdot 10^{-6}$	$3.351 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.00202	-0.00202	0	$3.986 \cdot 10^{-5}$	$3.986 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$7.075 \cdot 10^{-5}$	$7.075 \cdot 10^{-5}$	0	$8.414 \cdot 10^{-6}$	$8.414 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	$-5.508 \cdot 10^{-5}$	$-5.508 \cdot 10^{-5}$	0	$3.982 \cdot 10^{-6}$	$3.982 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	0.0001318	0.0001318	0	$6.28 \cdot 10^{-6}$	$6.28 \cdot 10^{-6}$	0
$t\bar{t} \to d\bar{d}$	$3.459 \cdot 10^{-5}$	$3.459 \cdot 10^{-5}$	0	$1.464 \cdot 10^{-5}$	$1.464 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	$1.598 \cdot 10^{-5}$	$1.598 \cdot 10^{-5}$	0	$4.097 \cdot 10^{-6}$	$4.097 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	-0.04531	-0.04531	0	0.008832	0.008832	0

2.28 cpu

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zc\bar{c}$	$3.726 \cdot 10^{-6}$	$3.726 \cdot 10^{-6}$	0	$1.825 \cdot 10^{-6}$	$1.825 \cdot 10^{-6}$	0
$Hz \to u\bar{u}$	0.08394	0.08394	0	0.982	0.982	0
$W^+W^- \to Hc\bar{c}$	$4.452 \cdot 10^{-8}$	$4.452 \cdot 10^{-8}$	0	$2.271 \cdot 10^{-7}$	$2.271 \cdot 10^{-7}$	0
$b\bar{b} \to u\bar{u}$	0.0001019	0.0001019	0	$2.306 \cdot 10^{-5}$	$2.306 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	0.0001178	0.0001178	0	$3.294 \cdot 10^{-6}$	$3.294 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$6.929 \cdot 10^{-5}$	$6.929 \cdot 10^{-5}$	0	$1.264 \cdot 10^{-5}$	$1.264 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	0.0001496	0.0001496	0	$5.388 \cdot 10^{-6}$	$5.388 \cdot 10^{-6}$	0
$u\bar{d} \to u\bar{d}$	0.0003918	0.0003918	0	$9.555 \cdot 10^{-5}$	$9.555 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$8.822 \cdot 10^{-8}$	$8.822 \cdot 10^{-8}$	0	$8.582 \cdot 10^{-9}$	$8.582 \cdot 10^{-9}$	0
$u\bar{u} \to c\bar{c}$	$3.515 \cdot 10^{-6}$	$3.515 \cdot 10^{-6}$	0	$2.681 \cdot 10^{-5}$	$2.681 \cdot 10^{-5}$	0

$u\bar{u} \to u\bar{u}$	-0.02822	-0.02822	0		0.001046	0.001046	0

2.29 ctG

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.1504	0.1504	$2.659 \cdot 10^{-7}$		0.02979	0.02979	$5.035 \cdot 10^{-7}$
$gg \to t\bar{t}$	0.3649	0.3649	$2.467 \cdot 10^{-7}$		0.1521	0.1521	$5.261 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	0.2406	0.2406	$2.493 \cdot 10^{-7}$		0.05407	0.05407	$4.994 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	0.2406	0.2406	$2.493 \cdot 10^{-7}$		0.06962	0.06962	$5.027 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	0.2406	0.2406	$2.493 \cdot 10^{-7}$		0.0527	0.0527	$4.933 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	0.1836	0.1836	$2.179 \cdot 10^{-7}$		0.4643	0.4643	$4.954 \cdot 10^{-7}$

2.30 ctW

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^{+}\bar{t}b$	$1.219 \cdot 10^{-5}$	$1.219 \cdot 10^{-5}$	0		$2.728 \cdot 10^{-6}$	$2.728 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$\textcolor{red}{-2.156 \cdot 10^{-10}}$	$\textcolor{red}{0}$	$\textcolor{red}{1}$		$\textcolor{red}{5.026 \cdot 10^{-16}}$	$\textcolor{red}{0}$	$\textcolor{red}{1}$
$HW^{+} \to \gamma t\bar{b}$	$-2.528 \cdot 10^{-6}$	$-2.528 \cdot 10^{-6}$	$-1.305 \cdot 10^{-6}$		$3.893 \cdot 10^{-5}$	$3.893 \cdot 10^{-5}$	$-2.055 \cdot 10^{-6}$
$HW^{-} \to \bar{t}b$	-0.2894	-0.2894	0		1.311	1.311	0
$H\gamma \to t\bar{t}$	-4.417	-4.417	$-1.041 \cdot 10^{-6}$		2.183	2.183	$-2.107 \cdot 10^{-6}$
$Hz \to t\bar{t}$	$\textcolor{red}{-5.767 \cdot 10^{-8}}$	$\textcolor{red}{0}$	$\textcolor{red}{1}$		$\textcolor{red}{4.884 \cdot 10^{-12}}$	$\textcolor{red}{0}$	$\textcolor{red}{1}$
$W^{+}W^{-} \to Hb\bar{b}$	$4.859 \cdot 10^{-6}$	$4.859 \cdot 10^{-6}$	0		$3.37 \cdot 10^{-7}$	$3.37 \cdot 10^{-7}$	0
$W^{+}W^{-} \to Ht\bar{t}$	$6.259 \cdot 10^{-7}$	$6.259 \cdot 10^{-7}$	$1.422 \cdot 10^{-6}$		$4.594 \cdot 10^{-5}$	$4.594 \cdot 10^{-5}$	$6.53 \cdot 10^{-8}$
$\bar{b}t \to \bar{d}u$	0.000543	0.000543	0		0.001641	0.001641	0
$b\bar{b} \to t\bar{t}$	0.02342	0.02342	$2.562 \cdot 10^{-7}$		0.0105	0.0105	$-2.857 \cdot 10^{-7}$
$b\bar{t} \to e^{-}\bar{\nu}_e$	0.003225	0.003225	0		0.004353	0.004353	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$\textcolor{red}{5.46 \cdot 10^{-10}}$	$\textcolor{red}{0}$	$\textcolor{red}{1}$		$\textcolor{red}{4.729 \cdot 10^{-15}}$	$\textcolor{red}{0}$	$\textcolor{red}{1}$

	0.005554	0.005554	$-9.542 \cdot 10^{-7}$	0.01696	0.01696	$-2.064 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	0.005554	0.005554	$-9.542 \cdot 10^{-7}$	0.01696	0.01696	$-2.064 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	0.01404	0.01404	$-7.123 \cdot 10^{-7}$	0.02071	0.02071	$-1.69 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	0.003156	0.003156	$9.506 \cdot 10^{-8}$	0.006667	0.006667	$-6.9 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	0.005204	0.005204	$2.114 \cdot 10^{-7}$	0.005047	0.005047	$-6.935 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	-0.1303	-0.1303	$-8.444 \cdot 10^{-7}$	0.3329	0.3329	$-1.712 \cdot 10^{-6}$

2.31 ctZ

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	-0.0001785	-0.0001785	$-1.065 \cdot 10^{-6}$	0.0003444	0.0003444	$-2.207 \cdot 10^{-6}$
$HW^+ \to \gamma t\bar{b}$	$2.793 \cdot 10^{-6}$	$2.793 \cdot 10^{-6}$	$-1.074 \cdot 10^{-6}$	$2.969 \cdot 10^{-5}$	$2.969 \cdot 10^{-5}$	$-2.189 \cdot 10^{-6}$
$H\gamma \to t\bar{t}$	3.867	3.867	$-1.086 \cdot 10^{-6}$	1.673	1.673	$-2.152 \cdot 10^{-6}$
$Hz \to t\bar{t}$	-0.04774	-0.04774	$-1.089 \cdot 10^{-6}$	3.347	3.347	$-2.181 \cdot 10^{-6}$
$W^+W^- \to Ht\bar{t}$	$7.376 \cdot 10^{-7}$	$7.376 \cdot 10^{-7}$	$-1.098 \cdot 10^{-6}$	$4.068 \cdot 10^{-7}$	$4.068 \cdot 10^{-7}$	$-2.212 \cdot 10^{-6}$
$b\bar{b} \to t\bar{t}$	0.004702	0.004702	$-1.106 \cdot 10^{-6}$	0.002354	0.002354	$-2.166 \cdot 10^{-6}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.000452	0.000452	$-1.084 \cdot 10^{-6}$	0.003241	0.003241	$-2.191 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	-0.004386	-0.004386	$-1.094 \cdot 10^{-6}$	0.01385	0.01385	$-2.166 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	-0.008205	-0.008205	$-1.097 \cdot 10^{-6}$	0.01438	0.01438	$-2.155 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	0.0002382	0.0002382	$-1.092 \cdot 10^{-6}$	0.005501	0.005501	$-2.199 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	0.0008813	0.0008813	$-1.089 \cdot 10^{-6}$	0.004165	0.004165	$-2.185 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	0.09227	0.09227	$-1.095 \cdot 10^{-6}$	0.2152	0.2152	$-2.184 \cdot 10^{-6}$

2.32 ctd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.001081	-0.001081	0	0.01168	0.01168	0
$t\bar{t} \to d\bar{d}$	-0.01451	-0.01451	0	0.2469	0.2469	0

$t\bar{t} \to s\bar{s}$	-0.0354	-0.0354	0	0.6128	0.6128	0

2.33 ctd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.4434	0.4434	0	0.1431	0.1431	0
$t\bar{t} \to d\bar{d}$	0.6386	0.6386	0	0.2089	0.2089	0
$t\bar{t} \to s\bar{s}$	0.1468	0.1468	0	0.04298	0.04298	0

2.34 ctp

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$1.411 \cdot 10^{-5}$	$1.411 \cdot 10^{-5}$	0	$4.655 \cdot 10^{-6}$	$4.655 \cdot 10^{-6}$	0
$HH \to W^+\bar{t}b$	$4.398 \cdot 10^{-6}$	$4.398 \cdot 10^{-6}$	0	$2.242 \cdot 10^{-6}$	$2.242 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	-0.0001577	-0.0001577	0	$3.633 \cdot 10^{-6}$	$3.633 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-2.204 \cdot 10^{-7}$	$-2.204 \cdot 10^{-7}$	0	$4.698 \cdot 10^{-8}$	$4.698 \cdot 10^{-8}$	0
$HW^- \to \bar{t}b$	0.09384	0.09384	0	0.0521	0.0521	0
$H\gamma \to t\bar{t}$	-0.4417	-0.4417	0	0.01355	0.01355	0
$Hz \to t\bar{t}$	-0.00116	-0.00116	0	0.06839	0.06839	0
$W^+W^- \to Hb\bar{b}$	$7.881 \cdot 10^{-7}$	$7.881 \cdot 10^{-7}$	0	$2.852 \cdot 10^{-8}$	$2.852 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$5.917 \cdot 10^{-7}$	$5.917 \cdot 10^{-7}$	0	$6.594 \cdot 10^{-7}$	$6.594 \cdot 10^{-7}$	0
$t\bar{t} \to t\bar{t}$	0.05015	0.05015	0	0.008508	0.008508	0

2.35 ctq1

interference	square

	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$t\bar{t} \to c\bar{c}$	0.0255	0.0255	0	0.68	0.68	0
$t\bar{t} \to d\bar{d}$	-0.005943	-0.005943	0	0.003596	0.003596	0
$t\bar{t} \to s\bar{s}$	0.004074	0.004074	0	0.3479	0.3479	0

2.36 ctq8

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$t\bar{t} \to c\bar{c}$	0.4672	0.4672	0	0.1511	0.1511	0
$t\bar{t} \to d\bar{d}$	0.02185	0.02185	0	0.000799	0.000799	0
$t\bar{t} \to s\bar{s}$	0.2485	0.2485	0	0.0773	0.0773	0

2.37 ctt1

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$t\bar{t} \to t\bar{t}$	-0.2028	-0.2028	0	3.263	3.263	0

2.38 ctu1

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$t\bar{t} \to c\bar{c}$	0.06885	0.06885	0	0.5956	0.5956	0

2.39 ctu8

	interference	square

	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.4117	0.4117	0		0.1324	0.1324	0

2.40 sm

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to HH$	0	0	0	0.02496	0.02496	0
$HH \to HHH$	0	0	0	$7.124 \cdot 10^{-7}$	$7.124 \cdot 10^{-7}$	0
$HH \to Ht\bar{t}$	0	0	0	$1.771 \cdot 10^{-5}$	$1.771 \cdot 10^{-5}$	0
$HH \to Hzz$	0	0	0	$7.026 \cdot 10^{-6}$	$7.026 \cdot 10^{-6}$	0
$HH \to W^+W^-$	0	0	0	19.49	19.49	0
$HH \to W^+W^-\gamma$	0	0	0	$5.079 \cdot 10^{-5}$	$5.079 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	0	0	0	0.0001165	0.0001165	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$9.919 \cdot 10^{-7}$	$9.919 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	0	0	0	$1.329 \cdot 10^{-6}$	$1.329 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	0	0	0	$3.073 \cdot 10^{-7}$	$3.073 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	0	0	0	$8.136 \cdot 10^{-8}$	$8.136 \cdot 10^{-8}$	0
$HH \to zc\bar{c}$	0	0	0	$5.19 \cdot 10^{-8}$	$5.19 \cdot 10^{-8}$	0
$HH \to zd\bar{d}$	0	0	0	$2.207 \cdot 10^{-6}$	$2.207 \cdot 10^{-6}$	0
$HH \to ze^+e^-$	0	0	0	$3.058 \cdot 10^{-7}$	$3.058 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	0	0	0	$3.159 \cdot 10^{-6}$	$3.159 \cdot 10^{-6}$	0
$HH \to zz$	0	0	0	0.2788	0.2788	0
$HW^+ \to \gamma t\bar{b}$	0	0	0	$9.535 \cdot 10^{-6}$	$9.535 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	0	0	0	$3.834 \cdot 10^{-7}$	$3.834 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	0	0	0	0.02224	0.02224	0
$HW^- \to \bar{t}b$	0	0	0	5.933	5.933	0
$HW^- \to \gamma e^-\bar{\nu}_e$	0	0	0	$2.195 \cdot 10^{-8}$	$2.195 \cdot 10^{-8}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0	0	0	0.005799	0.005799	0

$H\gamma \to t\bar{t}$	0	0	0	1.407	1.407	0
$Hz \to \mu^+\mu^-$	0	0	0	0.003206	0.003206	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.002483	0.002483	0
$Hz \to b\bar{b}$	0	0	0	0.01278	0.01278	0
$Hz \to s\bar{s}$	0	0	0	0.01227	0.01227	0
$Hz \to t\bar{t}$	0	0	0	2.201	2.201	0
$Hz \to u\bar{u}$	0	0	0	0.006547	0.006547	0
$W^+W^- \to Hb\bar{b}$	0	0	0	$5.397 \cdot 10^{-6}$	$5.397 \cdot 10^{-6}$	0
$W^+W^- \to Hc\bar{c}$	0	0	0	$8.691 \cdot 10^{-7}$	$8.691 \cdot 10^{-7}$	0
$W^+W^- \to Hd\bar{d}$	0	0	0	$2.971 \cdot 10^{-6}$	$2.971 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	0	0	0	$2.982 \cdot 10^{-5}$	$2.982 \cdot 10^{-5}$	0
$W^+W^- \to W^+W^-$	0	0	0	8.166	8.166	0
$W^+W^- \to \gamma\gamma$	0	0	0	0.08468	0.08468	0
$W^+W^- \to \gamma\gamma\gamma$	0	0	0	$2.372 \cdot 10^{-6}$	$2.372 \cdot 10^{-6}$	0
$\bar{b}t \to \bar{d}u$	0	0	0	0.005049	0.005049	0
$\gamma W^+ \to zW^+$	0	0	0	0.2152	0.2152	0
$\mu^+\mu^- \to \tau^+\tau^-$	0	0	0	0.007768	0.007768	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.002464	0.002464	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.001829	0.001829	0
$b\bar{b} \to \gamma\gamma$	0	0	0	0.0001179	0.0001179	0
$b\bar{b} \to \mu^+\mu^-$	0	0	0	0.003234	0.003234	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0	0	0	0.003857	0.003857	0
$b\bar{b} \to b\bar{b}$	0	0	0	2.02	2.02	0
$b\bar{b} \to d\bar{d}$	0	0	0	0.5209	0.5209	0
$b\bar{b} \to t\bar{t}$	0	0	0	0.9115	0.9115	0
$b\bar{b} \to u\bar{u}$	0	0	0	0.5486	0.5486	0
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.00106	0.00106	0
$c\bar{c} \to \mu^+\mu^-$	0	0	0	0.0007612	0.0007612	0
$c\bar{s} \to \tau^+\nu_\tau$	0	0	0	0.002184	0.002184	0

$d\bar{d} \to c\bar{c}$	0	0	0	0.7243	0.7243	0
$d\bar{d} \to e^+e^-$	0	0	0	0.001585	0.001585	0
$d\bar{d} \to s\bar{s}$	0	0	0	0.9874	0.9874	0
$e^+\nu_\mu \to e^+\nu_\mu$	0	0	0	0.1199	0.1199	0
$e^+\nu_e \to \mu^+\nu_\mu$	0	0	0	0.03973	0.03973	0
$e^+\nu_e \to e^+\nu_e$	0	0	0	0.1907	0.1907	0
$e^+\tau^- \to e^+\tau^-$	0	0	0	0.1395	0.1395	0
$e^+e^- \to \mu^+\mu^-$	0	0	0	0.03424	0.03424	0
$e^+e^- \to e^+e^-$	0	0	0	0.03538	0.03538	0
$gg \to gg$	0	0	0	47.84	47.84	0
$gg \to ggg$	0	0	0	1.231	1.231	0
$gg \to t\bar{t}$	0	0	0	1.623	1.623	0
$gg \to u\bar{u}$	0	0	0	0.5505	0.5505	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.0006305	0.0006305	0
$s\bar{s} \to s\bar{s}$	0	0	0	1.959	1.959	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.0021	0.0021	0
$t\bar{t} \to \tau^+\tau^-$	0	0	0	0.001575	0.001575	0
$t\bar{t} \to c\bar{c}$	0	0	0	0.7631	0.7631	0
$t\bar{t} \to d\bar{d}$	0	0	0	0.989	0.989	0
$t\bar{t} \to s\bar{s}$	0	0	0	0.588	0.588	0
$t\bar{t} \to t\bar{t}$	0	0	0	1225	1225	0
$u\bar{d} \to \mu^+\nu_\mu$	0	0	0	0.003572	0.003572	0
$u\bar{d} \to c\bar{s}$	0	0	0	0.03724	0.03724	0
$u\bar{d} \to u\bar{d}$	0	0	0	12.8	12.8	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0	0	0	0.001627	0.001627	0
$u\bar{u} \to c\bar{c}$	0	0	0	0.4954	0.4954	0
$u\bar{u} \to u\bar{u}$	0	0	0	4.834	4.834	0
$zz \to W^+W^-$	0	0	0	679.8	679.8	0
$zz \to zz$	0	0	0	0.08061	0.08061	0