

1 By process

1.1 $HH \rightarrow HH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	-0.02677	-0.02677	0	0.0008116	0.0008116	0
c3p12	-0.0268	-0.0268	0	0.0008125	0.0008125	0
cdp	0.4503	0.4503	0	0.2352	0.2352	0
c111221	0.02613	0.02613	0	0.0007921	0.0007921	0
cp	-0.975	-0.975	0	1.863	1.863	0
cpDC	0.02943	0.02943	0	0.005534	0.005534	0
sm	0	0	0	0.09961	0.09961	0

1.2 $HH \rightarrow HHH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	$-1.108 \cdot 10^{-7}$	$-1.108 \cdot 10^{-7}$	0	$5.039 \cdot 10^{-9}$	$5.039 \cdot 10^{-9}$	0
c3p12	$-1.139 \cdot 10^{-7}$	$-1.139 \cdot 10^{-7}$	0	$5.179 \cdot 10^{-9}$	$5.179 \cdot 10^{-9}$	0
cdp	$-3.982 \cdot 10^{-6}$	$-3.982 \cdot 10^{-6}$	0	$2.755 \cdot 10^{-6}$	$2.755 \cdot 10^{-6}$	0
c111221	$2.616 \cdot 10^{-7}$	$2.616 \cdot 10^{-7}$	0	$1.19 \cdot 10^{-8}$	$1.19 \cdot 10^{-8}$	0
cp	$9.895 \cdot 10^{-6}$	$9.895 \cdot 10^{-6}$	0	$1.211 \cdot 10^{-5}$	$1.211 \cdot 10^{-5}$	0
cpDC	$3.583 \cdot 10^{-7}$	$3.583 \cdot 10^{-7}$	0	$4.966 \cdot 10^{-7}$	$4.966 \cdot 10^{-7}$	0
sm	0	0	0	$6.023 \cdot 10^{-7}$	$6.023 \cdot 10^{-7}$	0

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

interference

square

	mod1	mod2	1 - mod2/mod1		mod1	mod2	1 - mod2/mod1
c3pl1	$-2.55 \cdot 10^{-6}$	$-2.55 \cdot 10^{-6}$	0		$1.16 \cdot 10^{-7}$	$1.16 \cdot 10^{-7}$	0
c3pl2	$-2.728 \cdot 10^{-6}$	$-2.728 \cdot 10^{-6}$	0		$1.24 \cdot 10^{-7}$	$1.24 \cdot 10^{-7}$	0
cdp	$-1.939 \cdot 10^{-5}$	$-1.939 \cdot 10^{-5}$	0		$2.411 \cdot 10^{-5}$	$2.411 \cdot 10^{-5}$	0
c111221	$1.108 \cdot 10^{-5}$	$1.108 \cdot 10^{-5}$	0		$5.039 \cdot 10^{-7}$	$5.039 \cdot 10^{-7}$	0
cp	$-2.176 \cdot 10^{-5}$	$-2.176 \cdot 10^{-5}$	0		$3.143 \cdot 10^{-5}$	$3.143 \cdot 10^{-5}$	0
cpDC	$4.663 \cdot 10^{-6}$	$4.663 \cdot 10^{-6}$	0		$3.848 \cdot 10^{-7}$	$3.848 \cdot 10^{-7}$	0
ctp	$-1.941 \cdot 10^{-5}$	$-1.941 \cdot 10^{-5}$	0		$1.276 \cdot 10^{-5}$	$1.276 \cdot 10^{-5}$	0
sm	0	0	0		$4.769 \cdot 10^{-6}$	$4.769 \cdot 10^{-6}$	0

1.4 $HH \rightarrow Hzz$

	interference				square		
	mod1	mod2	1 - mod2/mod1		mod1	mod2	1 - mod2/mod1
c3pl1	$-1.76 \cdot 10^{-6}$	$-1.76 \cdot 10^{-6}$	0		$8.003 \cdot 10^{-8}$	$8.003 \cdot 10^{-8}$	0
c3pl2	$-1.324 \cdot 10^{-6}$	$-1.324 \cdot 10^{-6}$	0		$6.022 \cdot 10^{-8}$	$6.022 \cdot 10^{-8}$	0
cdp	$-1.166 \cdot 10^{-5}$	$-1.166 \cdot 10^{-5}$	0		$2.245 \cdot 10^{-5}$	$2.245 \cdot 10^{-5}$	0
c111221	$1.168 \cdot 10^{-6}$	$1.168 \cdot 10^{-6}$	0		$5.312 \cdot 10^{-8}$	$5.312 \cdot 10^{-8}$	0
cp	$-7.619 \cdot 10^{-5}$	$-7.619 \cdot 10^{-5}$	0		$6.885 \cdot 10^{-5}$	$6.885 \cdot 10^{-5}$	0
cpBB	$9.78 \cdot 10^{-7}$	$9.78 \cdot 10^{-7}$	0		$9.813 \cdot 10^{-7}$	$9.813 \cdot 10^{-7}$	0
cpDC	$2.282 \cdot 10^{-6}$	$2.282 \cdot 10^{-6}$	0		$3.296 \cdot 10^{-6}$	$3.296 \cdot 10^{-6}$	0
cpW	$6.27 \cdot 10^{-6}$	$6.27 \cdot 10^{-6}$	0		$3.825 \cdot 10^{-6}$	$3.825 \cdot 10^{-6}$	0
cpWB	$1.681 \cdot 10^{-6}$	$1.681 \cdot 10^{-6}$	0		$1.83 \cdot 10^{-6}$	$1.83 \cdot 10^{-6}$	0
sm	0	0	0		$9.017 \cdot 10^{-6}$	$9.017 \cdot 10^{-6}$	0

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

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

c3p11	-5.312	-5.312	0	0.161	0.161	0
c3p12	-0.01356	-0.01356	0	0.000411	0.000411	0
cdp	0.565	0.565	0	4.09	4.09	0
c111221	0.01293	0.01293	0	0.0003919	0.0003919	0
cp	-0.09473	-0.09473	0	0.1331	0.1331	0
cpDC	0.03367	0.03367	0	0.2504	0.2504	0
cpW	-0.03234	-0.03234	0	7.785	7.785	0
sm	0	0	0	0.1088	0.1088	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	$-1.994 \cdot 10^{-7}$	$-1.994 \cdot 10^{-7}$	0	$9.065 \cdot 10^{-9}$	$9.065 \cdot 10^{-9}$	0
c3p12	$-1.84 \cdot 10^{-7}$	$-1.84 \cdot 10^{-7}$	0	$8.365 \cdot 10^{-9}$	$8.365 \cdot 10^{-9}$	0
cWW	$-3.632 \cdot 10^{-6}$	$-3.632 \cdot 10^{-6}$	0	$8.123 \cdot 10^{-7}$	$8.123 \cdot 10^{-7}$	0
cdp	$1.198 \cdot 10^{-6}$	$1.198 \cdot 10^{-6}$	0	$1.913 \cdot 10^{-6}$	$1.913 \cdot 10^{-6}$	0
c111221	$8.573 \cdot 10^{-8}$	$8.573 \cdot 10^{-8}$	0	$3.898 \cdot 10^{-9}$	$3.898 \cdot 10^{-9}$	0
cp	$-4.504 \cdot 10^{-7}$	$-4.504 \cdot 10^{-7}$	0	$7.581 \cdot 10^{-8}$	$7.581 \cdot 10^{-8}$	0
cpBB	$-1.52 \cdot 10^{-7}$	$-1.52 \cdot 10^{-7}$	0	$1.373 \cdot 10^{-7}$	$1.373 \cdot 10^{-7}$	0
cpDC	$-6.542 \cdot 10^{-7}$	$-6.542 \cdot 10^{-7}$	0	$6.69 \cdot 10^{-7}$	$6.69 \cdot 10^{-7}$	0
cpW	$8.011 \cdot 10^{-9}$	$8.011 \cdot 10^{-9}$	0	$5.448 \cdot 10^{-5}$	$5.448 \cdot 10^{-5}$	0
cpWB	$-4.099 \cdot 10^{-7}$	$-4.099 \cdot 10^{-7}$	0	$4.182 \cdot 10^{-6}$	$4.182 \cdot 10^{-6}$	0
sm	0	0	0	$8.343 \cdot 10^{-6}$	$8.343 \cdot 10^{-6}$	0

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

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

c3pQ3	$1.472 \cdot 10^{-6}$	$1.472 \cdot 10^{-6}$	0	$3.57 \cdot 10^{-6}$	$3.57 \cdot 10^{-6}$	0
c3p11	$-3.055 \cdot 10^{-5}$	$-3.055 \cdot 10^{-5}$	0	$1.389 \cdot 10^{-6}$	$1.389 \cdot 10^{-6}$	0
c3p12	$-1.43 \cdot 10^{-6}$	$-1.43 \cdot 10^{-6}$	0	$6.504 \cdot 10^{-8}$	$6.504 \cdot 10^{-8}$	0
cdp	$2.306 \cdot 10^{-6}$	$2.306 \cdot 10^{-6}$	0	$2.657 \cdot 10^{-5}$	$2.657 \cdot 10^{-5}$	0
c111221	$7.791 \cdot 10^{-6}$	$7.791 \cdot 10^{-6}$	0	$3.542 \cdot 10^{-7}$	$3.542 \cdot 10^{-7}$	0
cp	0.0001982	0.0001982	0	$1.667 \cdot 10^{-6}$	$1.667 \cdot 10^{-6}$	0
cpDC	$1.526 \cdot 10^{-6}$	$1.526 \cdot 10^{-6}$	0	$1.246 \cdot 10^{-6}$	$1.246 \cdot 10^{-6}$	0
cpW	$6.083 \cdot 10^{-7}$	$6.083 \cdot 10^{-7}$	0	$7.472 \cdot 10^{-6}$	$7.472 \cdot 10^{-6}$	0
ctW	$3.039 \cdot 10^{-5}$	$3.039 \cdot 10^{-5}$	0	$8.071 \cdot 10^{-6}$	$8.071 \cdot 10^{-6}$	0
ctp	0.0003236	0.0003236	0	$7.441 \cdot 10^{-6}$	$7.441 \cdot 10^{-6}$	0
sm	0	0	0	$2.134 \cdot 10^{-5}$	$2.134 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	$3.648 \cdot 10^{-6}$	$3.648 \cdot 10^{-6}$	0	$9.806 \cdot 10^{-6}$	$9.806 \cdot 10^{-6}$	0
c3p12	$-5.793 \cdot 10^{-7}$	$-5.793 \cdot 10^{-7}$	0	$2.634 \cdot 10^{-8}$	$2.634 \cdot 10^{-8}$	0
cdp	$1.636 \cdot 10^{-8}$	$1.636 \cdot 10^{-8}$	0	$5.136 \cdot 10^{-9}$	$5.136 \cdot 10^{-9}$	0
c111221	$1.174 \cdot 10^{-8}$	$1.174 \cdot 10^{-8}$	0	$5.336 \cdot 10^{-10}$	$5.336 \cdot 10^{-10}$	0
cp	$8.55 \cdot 10^{-8}$	$8.55 \cdot 10^{-8}$	0	$4.023 \cdot 10^{-9}$	$4.023 \cdot 10^{-9}$	0
cpDC	$-6.471 \cdot 10^{-9}$	$-6.471 \cdot 10^{-9}$	0	$1.981 \cdot 10^{-10}$	$1.981 \cdot 10^{-10}$	0
cpW	$2.922 \cdot 10^{-7}$	$2.922 \cdot 10^{-7}$	0	$3.511 \cdot 10^{-7}$	$3.511 \cdot 10^{-7}$	0
sm	0	0	0	$1.54 \cdot 10^{-7}$	$1.54 \cdot 10^{-7}$	0

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

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

c3pl1	$-5.549 \cdot 10^{-7}$	$-5.549 \cdot 10^{-7}$	0	$2.523 \cdot 10^{-8}$	$2.523 \cdot 10^{-8}$	0
c3pl2	$-2.297 \cdot 10^{-7}$	$-2.297 \cdot 10^{-7}$	0	$1.045 \cdot 10^{-8}$	$1.045 \cdot 10^{-8}$	0
c3pqi	$1.427 \cdot 10^{-6}$	$1.427 \cdot 10^{-6}$	0	$1.67 \cdot 10^{-7}$	$1.67 \cdot 10^{-7}$	0
cdp	$1.891 \cdot 10^{-7}$	$1.891 \cdot 10^{-7}$	0	$1.57 \cdot 10^{-8}$	$1.57 \cdot 10^{-8}$	0
cll1221	$2.596 \cdot 10^{-7}$	$2.596 \cdot 10^{-7}$	0	$1.18 \cdot 10^{-8}$	$1.18 \cdot 10^{-8}$	0
cp	$3.455 \cdot 10^{-9}$	$3.455 \cdot 10^{-9}$	0	$4.043 \cdot 10^{-10}$	$4.043 \cdot 10^{-10}$	0
cpDC	$1.791 \cdot 10^{-8}$	$1.791 \cdot 10^{-8}$	0	$3.238 \cdot 10^{-8}$	$3.238 \cdot 10^{-8}$	0
cpW	$1.807 \cdot 10^{-6}$	$1.807 \cdot 10^{-6}$	0	$6.158 \cdot 10^{-6}$	$6.158 \cdot 10^{-6}$	0
sm	0	0	0	0.003286	0.003286	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	$2.742 \cdot 10^{-5}$	$2.742 \cdot 10^{-5}$	0	$8.283 \cdot 10^{-5}$	$8.283 \cdot 10^{-5}$	0
c3pl1	$-1.22 \cdot 10^{-7}$	$-1.22 \cdot 10^{-7}$	0	$5.547 \cdot 10^{-9}$	$5.547 \cdot 10^{-9}$	0
c3pl2	$-7.284 \cdot 10^{-8}$	$-7.284 \cdot 10^{-8}$	0	$3.312 \cdot 10^{-9}$	$3.312 \cdot 10^{-9}$	0
cdp	$1.458 \cdot 10^{-7}$	$1.458 \cdot 10^{-7}$	0	$8.83 \cdot 10^{-9}$	$8.83 \cdot 10^{-9}$	0
cll1221	$1.275 \cdot 10^{-7}$	$1.275 \cdot 10^{-7}$	0	$5.797 \cdot 10^{-9}$	$5.797 \cdot 10^{-9}$	0
cp	$-5.094 \cdot 10^{-9}$	$-5.094 \cdot 10^{-9}$	0	$7.924 \cdot 10^{-9}$	$7.924 \cdot 10^{-9}$	0
cpBB	$4.559 \cdot 10^{-7}$	$4.559 \cdot 10^{-7}$	0	$4.533 \cdot 10^{-7}$	$4.533 \cdot 10^{-7}$	0
cpDC	$-1.604 \cdot 10^{-7}$	$-1.604 \cdot 10^{-7}$	0	$1.958 \cdot 10^{-7}$	$1.958 \cdot 10^{-7}$	0
cpQ3	$1.547 \cdot 10^{-5}$	$1.547 \cdot 10^{-5}$	0	$2.86 \cdot 10^{-5}$	$2.86 \cdot 10^{-5}$	0
cpW	$-1.493 \cdot 10^{-7}$	$-1.493 \cdot 10^{-7}$	0	$2.795 \cdot 10^{-6}$	$2.795 \cdot 10^{-6}$	0
cpWB	$3.029 \cdot 10^{-7}$	$3.029 \cdot 10^{-7}$	0	$6.315 \cdot 10^{-7}$	$6.315 \cdot 10^{-7}$	0
cpd	$-1.624 \cdot 10^{-7}$	$-1.624 \cdot 10^{-7}$	0	$3.144 \cdot 10^{-7}$	$3.144 \cdot 10^{-7}$	0
sm	0	0	0	$2.162 \cdot 10^{-6}$	$2.162 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pl1	$5.553 \cdot 10^{-7}$	$5.553 \cdot 10^{-7}$	0	$5.273 \cdot 10^{-7}$	$5.273 \cdot 10^{-7}$	0
c3pl2	$-5.907 \cdot 10^{-8}$	$-5.907 \cdot 10^{-8}$	0	$2.686 \cdot 10^{-9}$	$2.686 \cdot 10^{-9}$	0
cdp	$2.03 \cdot 10^{-8}$	$2.03 \cdot 10^{-8}$	0	$9.327 \cdot 10^{-9}$	$9.327 \cdot 10^{-9}$	0
c111221	$2.297 \cdot 10^{-8}$	$2.297 \cdot 10^{-8}$	0	$1.044 \cdot 10^{-9}$	$1.044 \cdot 10^{-9}$	0
cp	$3.904 \cdot 10^{-9}$	$3.904 \cdot 10^{-9}$	0	$9.752 \cdot 10^{-9}$	$9.752 \cdot 10^{-9}$	0
cpBB	$-2.49 \cdot 10^{-5}$	$-2.49 \cdot 10^{-5}$	0	$5.327 \cdot 10^{-6}$	$5.327 \cdot 10^{-6}$	0
cpDC	-0.0001492	-0.0001492	0	$2.319 \cdot 10^{-5}$	$2.319 \cdot 10^{-5}$	0
cpW	$1.922 \cdot 10^{-7}$	$1.922 \cdot 10^{-7}$	0	$1.823 \cdot 10^{-7}$	$1.823 \cdot 10^{-7}$	0
cpWB	$1.821 \cdot 10^{-7}$	$1.821 \cdot 10^{-7}$	0	$5.707 \cdot 10^{-8}$	$5.707 \cdot 10^{-8}$	0
cp11	$-2.154 \cdot 10^{-6}$	$-2.154 \cdot 10^{-6}$	0	$4.98 \cdot 10^{-6}$	$4.98 \cdot 10^{-6}$	0
sm	0	0	0	$1.488 \cdot 10^{-7}$	$1.488 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pl1	$-4.843 \cdot 10^{-6}$	$-4.843 \cdot 10^{-6}$	0	$2.202 \cdot 10^{-7}$	$2.202 \cdot 10^{-7}$	0
c3pl2	-0.0003445	-0.0003445	0	$1.566 \cdot 10^{-5}$	$1.566 \cdot 10^{-5}$	0
c3pqi	$5.887 \cdot 10^{-6}$	$5.887 \cdot 10^{-6}$	0	$3.923 \cdot 10^{-7}$	$3.923 \cdot 10^{-7}$	0
cdp	$1.17 \cdot 10^{-7}$	$1.17 \cdot 10^{-7}$	0	$7.711 \cdot 10^{-9}$	$7.711 \cdot 10^{-9}$	0
c111221	$1.075 \cdot 10^{-7}$	$1.075 \cdot 10^{-7}$	0	$4.887 \cdot 10^{-9}$	$4.887 \cdot 10^{-9}$	0
cp	$5.586 \cdot 10^{-8}$	$5.586 \cdot 10^{-8}$	0	$2.436 \cdot 10^{-10}$	$2.436 \cdot 10^{-10}$	0
cpBB	$3.853 \cdot 10^{-8}$	$3.853 \cdot 10^{-8}$	0	$8.53 \cdot 10^{-8}$	$8.53 \cdot 10^{-8}$	0
cpDC	$6.271 \cdot 10^{-8}$	$6.271 \cdot 10^{-8}$	0	$4.283 \cdot 10^{-9}$	$4.283 \cdot 10^{-9}$	0
cpW	$5.657 \cdot 10^{-7}$	$5.657 \cdot 10^{-7}$	0	$4.405 \cdot 10^{-7}$	$4.405 \cdot 10^{-7}$	0

cpWB	$5.762 \cdot 10^{-5}$	$5.762 \cdot 10^{-5}$	0	$1.639 \cdot 10^{-5}$	$1.639 \cdot 10^{-5}$	0
cpqi	-0.001184	-0.001184	0	0.0002231	0.0002231	0
cpu	$1.401 \cdot 10^{-5}$	$1.401 \cdot 10^{-5}$	0	$7.993 \cdot 10^{-5}$	$7.993 \cdot 10^{-5}$	0
sm	0	0	0	$3.599 \cdot 10^{-7}$	$3.599 \cdot 10^{-7}$	0

1.13 $HH \rightarrow z d \bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$-5.871 \cdot 10^{-8}$	$-5.871 \cdot 10^{-8}$	0	$2.669 \cdot 10^{-9}$	$2.669 \cdot 10^{-9}$	0
c3pl2	$-1.639 \cdot 10^{-8}$	$-1.639 \cdot 10^{-8}$	0	$7.455 \cdot 10^{-10}$	$7.455 \cdot 10^{-10}$	0
c3pqi	$5.852 \cdot 10^{-7}$	$5.852 \cdot 10^{-7}$	0	$2.743 \cdot 10^{-7}$	$2.743 \cdot 10^{-7}$	0
cdp	$6.027 \cdot 10^{-8}$	$6.027 \cdot 10^{-8}$	0	$9.189 \cdot 10^{-9}$	$9.189 \cdot 10^{-9}$	0
c111221	$7.753 \cdot 10^{-8}$	$7.753 \cdot 10^{-8}$	0	$3.525 \cdot 10^{-9}$	$3.525 \cdot 10^{-9}$	0
cp	$2.266 \cdot 10^{-8}$	$2.266 \cdot 10^{-8}$	0	$3.182 \cdot 10^{-9}$	$3.182 \cdot 10^{-9}$	0
cpBB	$-6.391 \cdot 10^{-7}$	$-6.391 \cdot 10^{-7}$	0	$8.959 \cdot 10^{-5}$	$8.959 \cdot 10^{-5}$	0
cpDC	$-6.06 \cdot 10^{-6}$	$-6.06 \cdot 10^{-6}$	0	$2.453 \cdot 10^{-5}$	$2.453 \cdot 10^{-5}$	0
cpW	$-9.767 \cdot 10^{-6}$	$-9.767 \cdot 10^{-6}$	0	$7.296 \cdot 10^{-5}$	$7.296 \cdot 10^{-5}$	0
cpWB	$-4.406 \cdot 10^{-8}$	$-4.406 \cdot 10^{-8}$	0	$8.541 \cdot 10^{-8}$	$8.541 \cdot 10^{-8}$	0
cpd	$-1.522 \cdot 10^{-7}$	$-1.522 \cdot 10^{-7}$	0	$8.612 \cdot 10^{-7}$	$8.612 \cdot 10^{-7}$	0
cpqi	$9.954 \cdot 10^{-7}$	$9.954 \cdot 10^{-7}$	0	$2.842 \cdot 10^{-6}$	$2.842 \cdot 10^{-6}$	0
sm	0	0	0	$2.845 \cdot 10^{-7}$	$2.845 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$6.585 \cdot 10^{-7}$	$6.585 \cdot 10^{-7}$	0	$2.302 \cdot 10^{-6}$	$2.302 \cdot 10^{-6}$	0
c3pl2	$-2.751 \cdot 10^{-8}$	$-2.751 \cdot 10^{-8}$	0	$1.251 \cdot 10^{-9}$	$1.251 \cdot 10^{-9}$	0

cdp	$2.86 \cdot 10^{-8}$	$2.86 \cdot 10^{-8}$	0	$1.948 \cdot 10^{-9}$	$1.948 \cdot 10^{-9}$	0
c111221	$2.54 \cdot 10^{-8}$	$2.54 \cdot 10^{-8}$	0	$1.155 \cdot 10^{-9}$	$1.155 \cdot 10^{-9}$	0
cp	$1.808 \cdot 10^{-9}$	$1.808 \cdot 10^{-9}$	0	$2.467 \cdot 10^{-11}$	$2.467 \cdot 10^{-11}$	0
cpBB	$-8.115 \cdot 10^{-9}$	$-8.115 \cdot 10^{-9}$	0	$1.957 \cdot 10^{-7}$	$1.957 \cdot 10^{-7}$	0
cpDC	$1.743 \cdot 10^{-9}$	$1.743 \cdot 10^{-9}$	0	$1.168 \cdot 10^{-9}$	$1.168 \cdot 10^{-9}$	0
cpW	$-4.514 \cdot 10^{-8}$	$-4.514 \cdot 10^{-8}$	0	$4.711 \cdot 10^{-7}$	$4.711 \cdot 10^{-7}$	0
cpWB	$4.678 \cdot 10^{-7}$	$4.678 \cdot 10^{-7}$	0	$1.161 \cdot 10^{-6}$	$1.161 \cdot 10^{-6}$	0
cpe	$-2.403 \cdot 10^{-7}$	$-2.403 \cdot 10^{-7}$	0	$3.92 \cdot 10^{-7}$	$3.92 \cdot 10^{-7}$	0
cp11	$1.296 \cdot 10^{-7}$	$1.296 \cdot 10^{-7}$	0	$3.673 \cdot 10^{-7}$	$3.673 \cdot 10^{-7}$	0
sm	0	0	0	$8.458 \cdot 10^{-8}$	$8.458 \cdot 10^{-8}$	0

1.15 $HH \rightarrow zt\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	$-9.314 \cdot 10^{-5}$	$-9.314 \cdot 10^{-5}$	0	0.0001005	0.0001005	0
c3p11	$-1.138 \cdot 10^{-6}$	$-1.138 \cdot 10^{-6}$	0	$5.173 \cdot 10^{-8}$	$5.173 \cdot 10^{-8}$	0
c3p12	$-2.159 \cdot 10^{-5}$	$-2.159 \cdot 10^{-5}$	0	$9.816 \cdot 10^{-7}$	$9.816 \cdot 10^{-7}$	0
cdp	$5.698 \cdot 10^{-5}$	$5.698 \cdot 10^{-5}$	0	$4.748 \cdot 10^{-5}$	$4.748 \cdot 10^{-5}$	0
c111221	$6.865 \cdot 10^{-6}$	$6.865 \cdot 10^{-6}$	0	$3.121 \cdot 10^{-7}$	$3.121 \cdot 10^{-7}$	0
cp	$-3.601 \cdot 10^{-6}$	$-3.601 \cdot 10^{-6}$	0	$4.023 \cdot 10^{-7}$	$4.023 \cdot 10^{-7}$	0
cpBB	$-5.313 \cdot 10^{-7}$	$-5.313 \cdot 10^{-7}$	0	$3.032 \cdot 10^{-7}$	$3.032 \cdot 10^{-7}$	0
cpDC	$2.214 \cdot 10^{-5}$	$2.214 \cdot 10^{-5}$	0	$6.462 \cdot 10^{-6}$	$6.462 \cdot 10^{-6}$	0
cpQ3	$1.405 \cdot 10^{-5}$	$1.405 \cdot 10^{-5}$	0	$2.229 \cdot 10^{-5}$	$2.229 \cdot 10^{-5}$	0
cpW	$-3.234 \cdot 10^{-5}$	$-3.234 \cdot 10^{-5}$	0	$9.549 \cdot 10^{-6}$	$9.549 \cdot 10^{-6}$	0
cpWB	$-1.753 \cdot 10^{-6}$	$-1.753 \cdot 10^{-6}$	0	$8.223 \cdot 10^{-7}$	$8.223 \cdot 10^{-7}$	0
cpt	$-8.09 \cdot 10^{-5}$	$-8.09 \cdot 10^{-5}$	0	$3.118 \cdot 10^{-5}$	$3.118 \cdot 10^{-5}$	0
ctB	$1.141 \cdot 10^{-6}$	$1.141 \cdot 10^{-6}$	0	$2.021 \cdot 10^{-5}$	$2.021 \cdot 10^{-5}$	0
ctW	$3.65 \cdot 10^{-6}$	$3.65 \cdot 10^{-6}$	0	$3.42 \cdot 10^{-5}$	$3.42 \cdot 10^{-5}$	0

ctp	$-1.017 \cdot 10^{-5}$	$-1.017 \cdot 10^{-5}$	0	$2.37 \cdot 10^{-6}$	$2.37 \cdot 10^{-6}$	0
sm	0	0	0	$1.186 \cdot 10^{-5}$	$1.186 \cdot 10^{-5}$	0

1.16 $HH \rightarrow zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	-0.06458	-0.06458	0	0.001958	0.001958	0
c3p12	-0.009245	-0.009245	0	0.0002802	0.0002802	0
cdp	-1.984	-1.984	0	1.747	1.747	0
c111221	0.0794	0.0794	0	0.002407	0.002407	0
cp	4.884	4.884	0	0.06606	0.06606	0
cpBB	0.07004	0.07004	0	0.3053	0.3053	0
cpDC	-3.624	-3.624	0	0.3346	0.3346	0
cpW	0.0199	0.0199	0	2.202	2.202	0
cpWB	0.01097	0.01097	0	0.6716	0.6716	0
sm	0	0	0	0.07603	0.07603	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	$9.991 \cdot 10^{-8}$	$9.991 \cdot 10^{-8}$	0	$2.897 \cdot 10^{-7}$	$2.897 \cdot 10^{-7}$	0
c3p11	$-1.583 \cdot 10^{-8}$	$-1.583 \cdot 10^{-8}$	0	$7.197 \cdot 10^{-10}$	$7.197 \cdot 10^{-10}$	0
c3p12	$-6.335 \cdot 10^{-7}$	$-6.335 \cdot 10^{-7}$	0	$2.88 \cdot 10^{-8}$	$2.88 \cdot 10^{-8}$	0
cWWW	$-2.554 \cdot 10^{-7}$	$-2.554 \cdot 10^{-7}$	0	$4.808 \cdot 10^{-7}$	$4.808 \cdot 10^{-7}$	0
cdp	$5.252 \cdot 10^{-8}$	$5.252 \cdot 10^{-8}$	0	$1.592 \cdot 10^{-9}$	$1.592 \cdot 10^{-9}$	0
c111221	$7.878 \cdot 10^{-8}$	$7.878 \cdot 10^{-8}$	0	$3.582 \cdot 10^{-9}$	$3.582 \cdot 10^{-9}$	0
cpBB	$9.385 \cdot 10^{-7}$	$9.385 \cdot 10^{-7}$	0	$2.463 \cdot 10^{-7}$	$2.463 \cdot 10^{-7}$	0

cpDC	$-5.733 \cdot 10^{-7}$	$-5.733 \cdot 10^{-7}$	0	$1.859 \cdot 10^{-8}$	$1.859 \cdot 10^{-8}$	0
cpW	$-1.691 \cdot 10^{-7}$	$-1.691 \cdot 10^{-7}$	0	$4.404 \cdot 10^{-7}$	$4.404 \cdot 10^{-7}$	0
cpWB	$5.273 \cdot 10^{-7}$	$5.273 \cdot 10^{-7}$	0	$2.475 \cdot 10^{-6}$	$2.475 \cdot 10^{-6}$	0
ctB	$-1.416 \cdot 10^{-7}$	$-1.416 \cdot 10^{-7}$	0	$2.514 \cdot 10^{-6}$	$2.514 \cdot 10^{-6}$	0
ctW	$1.907 \cdot 10^{-6}$	$1.907 \cdot 10^{-6}$	0	$5.266 \cdot 10^{-6}$	$5.266 \cdot 10^{-6}$	0
ctp	$4.628 \cdot 10^{-8}$	$4.628 \cdot 10^{-8}$	0	$1.131 \cdot 10^{-7}$	$1.131 \cdot 10^{-7}$	0
sm	0	0	0	$1.05 \cdot 10^{-6}$	$1.05 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$-2.064 \cdot 10^{-7}$	$-2.064 \cdot 10^{-7}$	0	$9.386 \cdot 10^{-9}$	$9.386 \cdot 10^{-9}$	0
c3pl2	$-1.143 \cdot 10^{-8}$	$-1.143 \cdot 10^{-8}$	0	$5.199 \cdot 10^{-10}$	$5.199 \cdot 10^{-10}$	0
c3pqi	$3.907 \cdot 10^{-6}$	$3.907 \cdot 10^{-6}$	0	$3.4 \cdot 10^{-6}$	$3.4 \cdot 10^{-6}$	0
cWWW	$-3.333 \cdot 10^{-8}$	$-3.333 \cdot 10^{-8}$	0	$4.761 \cdot 10^{-8}$	$4.761 \cdot 10^{-8}$	0
cdp	0.0001872	0.0001872	0	$5.676 \cdot 10^{-6}$	$5.676 \cdot 10^{-6}$	0
c111221	0.0002809	0.0002809	0	$1.277 \cdot 10^{-5}$	$1.277 \cdot 10^{-5}$	0
cpBB	$1.14 \cdot 10^{-8}$	$1.14 \cdot 10^{-8}$	0	$4.722 \cdot 10^{-9}$	$4.722 \cdot 10^{-9}$	0
cpDC	$-3.795 \cdot 10^{-9}$	$-3.795 \cdot 10^{-9}$	0	$1.231 \cdot 10^{-10}$	$1.231 \cdot 10^{-10}$	0
cpW	$1.786 \cdot 10^{-8}$	$1.786 \cdot 10^{-8}$	0	$3.711 \cdot 10^{-8}$	$3.711 \cdot 10^{-8}$	0
cpWB	$-1.026 \cdot 10^{-7}$	$-1.026 \cdot 10^{-7}$	0	$2.355 \cdot 10^{-7}$	$2.355 \cdot 10^{-7}$	0
sm	0	0	0	$1.825 \cdot 10^{-7}$	$1.825 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.001777	-0.001777	0	$5.387 \cdot 10^{-5}$	$5.387 \cdot 10^{-5}$	0

c3pl2	-0.001862	-0.001862	0	$5.643 \cdot 10^{-5}$	$5.643 \cdot 10^{-5}$	0
c3pqi	0.2789	0.2789	0	1.327	1.327	0
cdp	0.001388	0.001388	0	$4.207 \cdot 10^{-5}$	$4.207 \cdot 10^{-5}$	0
cll1221	0.001388	0.001388	0	$4.207 \cdot 10^{-5}$	$4.207 \cdot 10^{-5}$	0
cpDC	-0.0006468	-0.0006468	0	$4.901 \cdot 10^{-6}$	$4.901 \cdot 10^{-6}$	0
cpW	0.01442	0.01442	0	0.06859	0.06859	0
sm	0	0	0	0.02117	0.02117	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	-1.866	-1.866	0	0.3268	0.3268	0
c3pl1	-0.4055	-0.4055	0	0.01229	0.01229	0
c3pl2	-0.3917	-0.3917	0	0.01187	0.01187	0
cdp	0.1894	0.1894	0	0.005741	0.005741	0
cll1221	0.1894	0.1894	0	0.005741	0.005741	0
cpDC	-0.0943	-0.0943	0	0.0007146	0.0007146	0
cpW	-0.07378	-0.07378	0	0.09582	0.09582	0
ctW	-0.1795	-0.1795	0	1.57	1.57	0
ctp	0.008054	0.008054	0	0.04944	0.04944	0
sm	0	0	0	0.06378	0.06378	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$1.888 \cdot 10^{-6}$	$1.888 \cdot 10^{-6}$	0	$5.091 \cdot 10^{-6}$	$5.091 \cdot 10^{-6}$	0
c3pl2	$-8.19 \cdot 10^{-10}$	$-8.19 \cdot 10^{-10}$	0	$3.724 \cdot 10^{-11}$	$3.724 \cdot 10^{-11}$	0

cWW	$-1.401 \cdot 10^{-8}$	$-1.401 \cdot 10^{-8}$	0	$2.653 \cdot 10^{-8}$	$2.653 \cdot 10^{-8}$	0
cdp	$6.287 \cdot 10^{-7}$	$6.287 \cdot 10^{-7}$	0	$1.906 \cdot 10^{-8}$	$1.906 \cdot 10^{-8}$	0
cll1221	$9.431 \cdot 10^{-7}$	$9.431 \cdot 10^{-7}$	0	$4.288 \cdot 10^{-8}$	$4.288 \cdot 10^{-8}$	0
cpBB	$5.507 \cdot 10^{-8}$	$5.507 \cdot 10^{-8}$	0	$2.896 \cdot 10^{-8}$	$2.896 \cdot 10^{-8}$	0
cpDC	$-2.382 \cdot 10^{-8}$	$-2.382 \cdot 10^{-8}$	0	$7.723 \cdot 10^{-10}$	$7.723 \cdot 10^{-10}$	0
cpW	$-1.974 \cdot 10^{-8}$	$-1.974 \cdot 10^{-8}$	0	$1.965 \cdot 10^{-7}$	$1.965 \cdot 10^{-7}$	0
cpWB	$9.219 \cdot 10^{-9}$	$9.219 \cdot 10^{-9}$	0	$1.664 \cdot 10^{-7}$	$1.664 \cdot 10^{-7}$	0
sm	0	0	0	$4.056 \cdot 10^{-9}$	$4.056 \cdot 10^{-9}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.0003477	-0.0003477	0	$1.054 \cdot 10^{-5}$	$1.054 \cdot 10^{-5}$	0
c3pl2	0.1337	0.1337	0	0.6319	0.6319	0
cdp	0.000843	0.000843	0	$2.555 \cdot 10^{-5}$	$2.555 \cdot 10^{-5}$	0
cll1221	0.000843	0.000843	0	$2.555 \cdot 10^{-5}$	$2.555 \cdot 10^{-5}$	0
cpDC	-0.0001581	-0.0001581	0	$1.198 \cdot 10^{-6}$	$1.198 \cdot 10^{-6}$	0
cpW	0.00418	0.00418	0	0.01989	0.01989	0
sm	0	0	0	0.001773	0.001773	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpBB	0	0	0	0.005168	0.005168	0
cpDC	0	0	0	0	$1.103 \cdot 10^{-38}$	∞
cpW	0	0	0	0.01196	0.01196	0
cpWB	0	0	0	0.01005	0.01005	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpBB	0	0	0	0.01691	0.01691	0
cpDC	0	0	0	0	$8.31 \cdot 10^{-39}$	∞
cpW	0	0	0	0.00949	0.00949	0
cpWB	0	0	0	0.01136	0.01136	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpBB	0	0	0	0.005024	0.005024	0
cpDC	0	0	0	0	$1.072 \cdot 10^{-38}$	∞
cpW	0	0	0	0.009066	0.009066	0
cpWB	0	0	0	0.01141	0.01141	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpBB	0	0	0	0.01554	0.01554	0
cpDC	0	0	0	0	$2.538 \cdot 10^{-39}$	∞
cpW	0	0	0	0.003216	0.003216	0
cpWB	0	0	0	0.006892	0.006892	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	-0.1348	-0.1348	0	0.004087	0.004087	0
c3p12	-0.04907	-0.04907	0	0.001487	0.001487	0
cdp	0.0493	0.0493	0	0.001495	0.001495	0
c111221	0.0493	0.0493	0	0.001495	0.001495	0
cpBB	-0.03867	-0.03867	0	0.02212	0.02212	0
cpDC	-0.07123	-0.07123	0	0.00231	0.00231	0
cpW	-0.05969	-0.05969	0	0.01363	0.01363	0
cpWB	-0.08131	-0.08131	0	0.01497	0.01497	0
ctB	-1.672	-1.672	0	0.4775	0.4775	0
ctW	-0.1427	-0.1427	0	0.8437	0.8437	0
ctp	-0.07363	-0.07363	0	0.002259	0.002259	0
sm	0	0	0	3.148	3.148	0

1.28 $H_z \rightarrow \mu^+ \mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	$-5.143 \cdot 10^{-5}$	$-5.143 \cdot 10^{-5}$	0	$1.559 \cdot 10^{-6}$	$1.559 \cdot 10^{-6}$	0
c3p12	0.04985	0.04985	0	0.3409	0.3409	0
cdp	$9.51 \cdot 10^{-5}$	$9.51 \cdot 10^{-5}$	0	$2.883 \cdot 10^{-6}$	$2.883 \cdot 10^{-6}$	0
c111221	$9.51 \cdot 10^{-5}$	$9.51 \cdot 10^{-5}$	0	$2.883 \cdot 10^{-6}$	$2.883 \cdot 10^{-6}$	0
cpBB	0.0003059	0.0003059	0	0.003184	0.003184	0
cpDC	$3.804 \cdot 10^{-5}$	$3.804 \cdot 10^{-5}$	0	$2.71 \cdot 10^{-5}$	$2.71 \cdot 10^{-5}$	0
cpW	0.002416	0.002416	0	0.01258	0.01258	0
cpWB	0.0006672	0.0006672	0	0.002006	0.002006	0
cp12	0.04755	0.04755	0	0.3255	0.3255	0
cpmu	-0.04173	-0.04173	0	0.3255	0.3255	0

sm	0	0	0	0.0008724	0.0008724	0
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1.29 $H z \rightarrow \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3p11	-0.0001144	-0.0001144	0	$3.468 \cdot 10^{-6}$	$3.468 \cdot 10^{-6}$	0
c3p12	-0.0005447	-0.0005447	0	$1.651 \cdot 10^{-5}$	$1.651 \cdot 10^{-5}$	0
c3p13	0.01376	0.01376	0	0.05015	0.05015	0
cdp	0.0005915	0.0005915	0	$1.793 \cdot 10^{-5}$	$1.793 \cdot 10^{-5}$	0
c111221	0.0005915	0.0005915	0	$1.793 \cdot 10^{-5}$	$1.793 \cdot 10^{-5}$	0
cpBB	0.001149	0.001149	0	0.0009791	0.0009791	0
cpDC	$4.049 \cdot 10^{-19}$	$3.944 \cdot 10^{-19}$	0.02592	$1.612 \cdot 10^{-35}$	$1.513 \cdot 10^{-35}$	0.06189
cpW	0.004688	0.004688	0	0.0131	0.0131	0
cpWB	0.001754	0.001754	0	0.002705	0.002705	0
cp13	-0.01376	-0.01376	0	0.05015	0.05015	0
sm	0	0	0	0.006432	0.006432	0

1.30 $H z \rightarrow b \bar{b}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pQ3	0.2151	0.2151	0	0.933	0.933	0
c3p11	-0.001445	-0.001445	0	$4.38 \cdot 10^{-5}$	$4.38 \cdot 10^{-5}$	0
c3p12	-0.001155	-0.001155	0	$3.5 \cdot 10^{-5}$	$3.5 \cdot 10^{-5}$	0
cdp	0.0008983	0.0008983	0	$2.723 \cdot 10^{-5}$	$2.723 \cdot 10^{-5}$	0
c111221	0.0008983	0.0008983	0	$2.723 \cdot 10^{-5}$	$2.723 \cdot 10^{-5}$	0
cpBB	0.0009078	0.0009078	0	0.001101	0.001101	0
cpDC	0.000387	0.000387	0	$8.705 \cdot 10^{-6}$	$8.705 \cdot 10^{-6}$	0

cpQ3	0.1639	0.1639	0	0.712	0.712	0
cpW	0.006076	0.006076	0	0.02008	0.02008	0
cpWB	0.003595	0.003595	0	0.004627	0.004627	0
cpd	-0.009363	-0.009363	0	0.2233	0.2233	0
sm	0	0	0	0.009754	0.009754	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.0007038	-0.0007038	0	$2.134 \cdot 10^{-5}$	$2.134 \cdot 10^{-5}$	0
c3pl2	-0.001018	-0.001018	0	$3.085 \cdot 10^{-5}$	$3.085 \cdot 10^{-5}$	0
c3pqi	0.09697	0.09697	0	0.4187	0.4187	0
cdp	0.001723	0.001723	0	$5.224 \cdot 10^{-5}$	$5.224 \cdot 10^{-5}$	0
cl11221	0.001723	0.001723	0	$5.224 \cdot 10^{-5}$	$5.224 \cdot 10^{-5}$	0
cpBB	0.001031	0.001031	0	0.001251	0.001251	0
cpDC	0.0003327	0.0003327	0	$7.484 \cdot 10^{-6}$	$7.484 \cdot 10^{-6}$	0
cpW	0.01027	0.01027	0	0.03394	0.03394	0
cpWB	0.003781	0.003781	0	0.004937	0.004937	0
cpd	-0.03653	-0.03653	0	0.8548	0.8548	0
cpqi	0.1402	0.1402	0	0.6054	0.6054	0
sm	0	0	0	0.0111	0.0111	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	-2.07	-2.07	0	1.235	1.235	0
c3pl1	-0.7388	-0.7388	0	0.02239	0.02239	0

c3p12	-0.233	-0.233	0	0.007062	0.007062	0
cdp	0.2234	0.2234	0	0.006773	0.006773	0
c111221	0.2234	0.2234	0	0.006773	0.006773	0
cpBB	-0.01273	-0.01273	0	0.004552	0.004552	0
cpDC	0.01363	0.01363	0	0.01749	0.01749	0
cpQ3	1.651	1.651	0	0.3255	0.3255	0
cpW	-0.04262	-0.04262	0	0.02484	0.02484	0
cpWB	-0.012	-0.012	0	0.005419	0.005419	0
cpt	-2.211	-2.211	0	1.384	1.384	0
ctB	0.1194	0.1194	0	0.2853	0.2853	0
ctW	-0.03444	-0.03444	0	2.817	2.817	0
ctp	0.0004494	0.0004494	0	0.06862	0.06862	0
sm	0	0	0	8.635	8.635	0

1.33 $H_z \rightarrow u\bar{u}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3p11	-0.0006678	-0.0006678	0	$2.024 \cdot 10^{-5}$	$2.024 \cdot 10^{-5}$	0
c3p12	-0.0003929	-0.0003929	0	$1.191 \cdot 10^{-5}$	$1.191 \cdot 10^{-5}$	0
c3pqi	0.09683	0.09683	0	0.5127	0.5127	0
cdp	0.0009806	0.0009806	0	$2.972 \cdot 10^{-5}$	$2.972 \cdot 10^{-5}$	0
c111221	0.0009806	0.0009806	0	$2.972 \cdot 10^{-5}$	$2.972 \cdot 10^{-5}$	0
cpBB	0.0006947	0.0006947	0	0.00582	0.00582	0
cpDC	0.000162	0.000162	0	$1.332 \cdot 10^{-5}$	$1.332 \cdot 10^{-5}$	0
cpW	0.007033	0.007033	0	0.02843	0.02843	0
cpWB	0.003178	0.003178	0	0.005844	0.005844	0
cpqi	-0.05697	-0.05697	0	0.3017	0.3017	0
cpu	0.06847	0.06847	0	0.801	0.801	0

sm	0	0	0	0.009354	0.009354	0
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1.34 $W^+W^- \rightarrow Hb\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	$-7.381 \cdot 10^{-6}$	$-7.381 \cdot 10^{-6}$	0	$2.79 \cdot 10^{-7}$	$2.79 \cdot 10^{-7}$	0
c3pl1	$-9.63 \cdot 10^{-6}$	$-9.63 \cdot 10^{-6}$	0	$4.379 \cdot 10^{-7}$	$4.379 \cdot 10^{-7}$	0
c3pl2	$-1.645 \cdot 10^{-6}$	$-1.645 \cdot 10^{-6}$	0	$7.482 \cdot 10^{-8}$	$7.482 \cdot 10^{-8}$	0
cWW	$1.998 \cdot 10^{-5}$	$1.998 \cdot 10^{-5}$	0	$8.345 \cdot 10^{-5}$	$8.345 \cdot 10^{-5}$	0
cdp	0.0004915	0.0004915	0	$1.49 \cdot 10^{-5}$	$1.49 \cdot 10^{-5}$	0
cll1221	0.0007373	0.0007373	0	$3.352 \cdot 10^{-5}$	$3.352 \cdot 10^{-5}$	0
cpBB	$-1.378 \cdot 10^{-6}$	$-1.378 \cdot 10^{-6}$	0	$1.081 \cdot 10^{-8}$	$1.081 \cdot 10^{-8}$	0
cpDC	$-1.14 \cdot 10^{-5}$	$-1.14 \cdot 10^{-5}$	0	$2.559 \cdot 10^{-7}$	$2.559 \cdot 10^{-7}$	0
cpQ3	$6.609 \cdot 10^{-5}$	$6.609 \cdot 10^{-5}$	0	$2.273 \cdot 10^{-6}$	$2.273 \cdot 10^{-6}$	0
cpW	$-2.486 \cdot 10^{-7}$	$-2.486 \cdot 10^{-7}$	0	$4.829 \cdot 10^{-8}$	$4.829 \cdot 10^{-8}$	0
cpWB	$-7.099 \cdot 10^{-7}$	$-7.099 \cdot 10^{-7}$	0	$1.842 \cdot 10^{-7}$	$1.842 \cdot 10^{-7}$	0
cpd	$-1.784 \cdot 10^{-8}$	$-1.784 \cdot 10^{-8}$	0	$1.121 \cdot 10^{-7}$	$1.121 \cdot 10^{-7}$	0
ctW	$-5.329 \cdot 10^{-5}$	$-5.329 \cdot 10^{-5}$	0	$1.314 \cdot 10^{-5}$	$1.314 \cdot 10^{-5}$	0
ctp	$1.43 \cdot 10^{-6}$	$1.43 \cdot 10^{-6}$	0	$1.423 \cdot 10^{-7}$	$1.423 \cdot 10^{-7}$	0
sm	0	0	0	0.0004872	0.0004872	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$-7.934 \cdot 10^{-8}$	$-7.934 \cdot 10^{-8}$	0	$3.607 \cdot 10^{-9}$	$3.607 \cdot 10^{-9}$	0
c3pl2	$-4.595 \cdot 10^{-7}$	$-4.595 \cdot 10^{-7}$	0	$2.089 \cdot 10^{-8}$	$2.089 \cdot 10^{-8}$	0
c3pqi	$1.837 \cdot 10^{-7}$	$1.837 \cdot 10^{-7}$	0	$1.041 \cdot 10^{-6}$	$1.041 \cdot 10^{-6}$	0

cWWW	$4.55 \cdot 10^{-7}$	$4.55 \cdot 10^{-7}$	0	$6.245 \cdot 10^{-7}$	$6.245 \cdot 10^{-7}$	0
cdp	$4.139 \cdot 10^{-6}$	$4.139 \cdot 10^{-6}$	0	$1.255 \cdot 10^{-7}$	$1.255 \cdot 10^{-7}$	0
c111221	$6.208 \cdot 10^{-6}$	$6.208 \cdot 10^{-6}$	0	$2.823 \cdot 10^{-7}$	$2.823 \cdot 10^{-7}$	0
cpBB	$3.208 \cdot 10^{-9}$	$3.208 \cdot 10^{-9}$	0	$2.891 \cdot 10^{-10}$	$2.891 \cdot 10^{-10}$	0
cpDC	$-2.628 \cdot 10^{-8}$	$-2.628 \cdot 10^{-8}$	0	$4.174 \cdot 10^{-10}$	$4.174 \cdot 10^{-10}$	0
cpW	$-6.598 \cdot 10^{-7}$	$-6.598 \cdot 10^{-7}$	0	$7.32 \cdot 10^{-7}$	$7.32 \cdot 10^{-7}$	0
cpWB	$2.409 \cdot 10^{-8}$	$2.409 \cdot 10^{-8}$	0	$4.225 \cdot 10^{-8}$	$4.225 \cdot 10^{-8}$	0
cpqi	$-1.04 \cdot 10^{-6}$	$-1.04 \cdot 10^{-6}$	0	$1.027 \cdot 10^{-6}$	$1.027 \cdot 10^{-6}$	0
cpu	$3.802 \cdot 10^{-8}$	$3.802 \cdot 10^{-8}$	0	$3.645 \cdot 10^{-8}$	$3.645 \cdot 10^{-8}$	0
sm	0	0	0	$7.088 \cdot 10^{-7}$	$7.088 \cdot 10^{-7}$	0

1.36 $W^+W^- \rightarrow Hdd\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$-3.622 \cdot 10^{-7}$	$-3.622 \cdot 10^{-7}$	0	$1.647 \cdot 10^{-8}$	$1.647 \cdot 10^{-8}$	0
c3pl2	$-1.218 \cdot 10^{-7}$	$-1.218 \cdot 10^{-7}$	0	$5.537 \cdot 10^{-9}$	$5.537 \cdot 10^{-9}$	0
c3pqi	$-3.742 \cdot 10^{-6}$	$-3.742 \cdot 10^{-6}$	0	$6.992 \cdot 10^{-6}$	$6.992 \cdot 10^{-6}$	0
cWWW	$2.413 \cdot 10^{-7}$	$2.413 \cdot 10^{-7}$	0	$9.661 \cdot 10^{-7}$	$9.661 \cdot 10^{-7}$	0
cdp	$8.038 \cdot 10^{-8}$	$8.038 \cdot 10^{-8}$	0	$2.436 \cdot 10^{-9}$	$2.436 \cdot 10^{-9}$	0
c111221	$1.206 \cdot 10^{-7}$	$1.206 \cdot 10^{-7}$	0	$5.482 \cdot 10^{-9}$	$5.482 \cdot 10^{-9}$	0
cpBB	$-1.749 \cdot 10^{-7}$	$-1.749 \cdot 10^{-7}$	0	$4.88 \cdot 10^{-10}$	$4.88 \cdot 10^{-10}$	0
cpDC	$-4.53 \cdot 10^{-6}$	$-4.53 \cdot 10^{-6}$	0	$7.851 \cdot 10^{-8}$	$7.851 \cdot 10^{-8}$	0
cpW	$-1.686 \cdot 10^{-7}$	$-1.686 \cdot 10^{-7}$	0	$1.301 \cdot 10^{-7}$	$1.301 \cdot 10^{-7}$	0
cpWB	$-7.59 \cdot 10^{-8}$	$-7.59 \cdot 10^{-8}$	0	$2.584 \cdot 10^{-8}$	$2.584 \cdot 10^{-8}$	0
cpd	$-7.607 \cdot 10^{-5}$	$-7.607 \cdot 10^{-5}$	0	$1.902 \cdot 10^{-5}$	$1.902 \cdot 10^{-5}$	0
cpqi	$2.041 \cdot 10^{-9}$	$2.041 \cdot 10^{-9}$	0	$8.525 \cdot 10^{-8}$	$8.525 \cdot 10^{-8}$	0
sm	0	0	0	$1.034 \cdot 10^{-6}$	$1.034 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	$7.078 \cdot 10^{-6}$	$7.078 \cdot 10^{-6}$	0	$4.989 \cdot 10^{-6}$	$4.989 \cdot 10^{-6}$	0
c3pl1	$-9.719 \cdot 10^{-7}$	$-9.719 \cdot 10^{-7}$	0	$4.419 \cdot 10^{-8}$	$4.419 \cdot 10^{-8}$	0
c3pl2	$-2.9 \cdot 10^{-6}$	$-2.9 \cdot 10^{-6}$	0	$1.318 \cdot 10^{-7}$	$1.318 \cdot 10^{-7}$	0
cWWW	$5.573 \cdot 10^{-7}$	$5.573 \cdot 10^{-7}$	0	$6.135 \cdot 10^{-6}$	$6.135 \cdot 10^{-6}$	0
cdp	$-1.921 \cdot 10^{-6}$	$-1.921 \cdot 10^{-6}$	0	$6.44 \cdot 10^{-6}$	$6.44 \cdot 10^{-6}$	0
cll11221	$1.546 \cdot 10^{-6}$	$1.546 \cdot 10^{-6}$	0	$7.029 \cdot 10^{-8}$	$7.029 \cdot 10^{-8}$	0
cp	$2.007 \cdot 10^{-7}$	$2.007 \cdot 10^{-7}$	0	$5.406 \cdot 10^{-8}$	$5.406 \cdot 10^{-8}$	0
cpBB	$-3.737 \cdot 10^{-9}$	$-3.737 \cdot 10^{-9}$	0	$2.249 \cdot 10^{-10}$	$2.249 \cdot 10^{-10}$	0
cpDC	$-6.29 \cdot 10^{-6}$	$-6.29 \cdot 10^{-6}$	0	$5.805 \cdot 10^{-7}$	$5.805 \cdot 10^{-7}$	0
cpQ3	$-2.987 \cdot 10^{-6}$	$-2.987 \cdot 10^{-6}$	0	$5.251 \cdot 10^{-7}$	$5.251 \cdot 10^{-7}$	0
cpW	$1.357 \cdot 10^{-6}$	$1.357 \cdot 10^{-6}$	0	$2.247 \cdot 10^{-5}$	$2.247 \cdot 10^{-5}$	0
cpWB	$-3.066 \cdot 10^{-7}$	$-3.066 \cdot 10^{-7}$	0	$2.314 \cdot 10^{-7}$	$2.314 \cdot 10^{-7}$	0
cpt	$-7.957 \cdot 10^{-6}$	$-7.957 \cdot 10^{-6}$	0	$4.334 \cdot 10^{-6}$	$4.334 \cdot 10^{-6}$	0
ctB	$2.882 \cdot 10^{-7}$	$2.882 \cdot 10^{-7}$	0	$1.714 \cdot 10^{-8}$	$1.714 \cdot 10^{-8}$	0
ctW	$3.33 \cdot 10^{-6}$	$3.33 \cdot 10^{-6}$	0	$6.874 \cdot 10^{-5}$	$6.874 \cdot 10^{-5}$	0
ctp	$-6.274 \cdot 10^{-7}$	$-6.274 \cdot 10^{-7}$	0	$4.773 \cdot 10^{-7}$	$4.773 \cdot 10^{-7}$	0
sm	0	0	0	$6.524 \cdot 10^{-5}$	$6.524 \cdot 10^{-5}$	0

1.38 $W^+W^- \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.8869	-0.8869	0	0.02688	0.02688	0
c3pl2	-1.969	-1.969	0	0.05969	0.05969	0
cWWW	0.07829	0.07829	0	19.68	19.68	0

cdp	9.291	9.291	0	0.3138	0.3138	0
cll1221	9.082	9.082	0	0.2753	0.2753	0
cpDC	1.765	1.765	0	0.02697	0.02697	0
cpW	0.2176	0.2176	0	2.342	2.342	0
cpWB	-0.201	-0.201	0	0.02836	0.02836	0
sm	0	0	0	97.84	97.84	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	-0.009592	-0.009592	0	0.0002908	0.0002908	0
c3p12	-0.009416	-0.009416	0	0.0002854	0.0002854	0
cWWW	-0.009895	-0.009895	0	0.5739	0.5739	0
cll1221	0.009418	0.009418	0	0.0002855	0.0002855	0
cpBB	-0.04421	-0.04421	0	0.2694	0.2694	0
cpDC	-0.05777	-0.05777	0	0.002871	0.002871	0
cpW	-0.01146	-0.01146	0	0.02506	0.02506	0
cpWB	-0.04951	-0.04951	0	0.08298	0.08298	0
sm	0	0	0	13.12	13.12	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	$-1.862 \cdot 10^{-7}$	$-1.862 \cdot 10^{-7}$	0	$8.467 \cdot 10^{-9}$	$8.467 \cdot 10^{-9}$	0
c3p12	$-2.028 \cdot 10^{-6}$	$-2.028 \cdot 10^{-6}$	0	$9.22 \cdot 10^{-8}$	$9.22 \cdot 10^{-8}$	0
cWWW	$3.797 \cdot 10^{-7}$	$3.797 \cdot 10^{-7}$	0	$1.331 \cdot 10^{-6}$	$1.331 \cdot 10^{-6}$	0
cll1221	$2.859 \cdot 10^{-7}$	$2.859 \cdot 10^{-7}$	0	$1.3 \cdot 10^{-8}$	$1.3 \cdot 10^{-8}$	0

cpBB	$-6.459 \cdot 10^{-8}$	$-6.459 \cdot 10^{-8}$	0	$3.563 \cdot 10^{-7}$	$3.563 \cdot 10^{-7}$	0
cpDC	$-5.118 \cdot 10^{-7}$	$-5.118 \cdot 10^{-7}$	0	$3.815 \cdot 10^{-8}$	$3.815 \cdot 10^{-8}$	0
cpW	$-4.32 \cdot 10^{-9}$	$-4.32 \cdot 10^{-9}$	0	$1.734 \cdot 10^{-8}$	$1.734 \cdot 10^{-8}$	0
cpWB	$-3.625 \cdot 10^{-6}$	$-3.625 \cdot 10^{-6}$	0	$7.119 \cdot 10^{-7}$	$7.119 \cdot 10^{-7}$	0
sm	0	0	0	$9.805 \cdot 10^{-7}$	$9.805 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	0.0001069	0.0001069	0	$3.242 \cdot 10^{-6}$	$3.242 \cdot 10^{-6}$	0
c3pl1	-0.0009499	-0.0009499	0	$2.879 \cdot 10^{-5}$	$2.879 \cdot 10^{-5}$	0
c3pl2	$-8.936 \cdot 10^{-5}$	$-8.936 \cdot 10^{-5}$	0	$2.709 \cdot 10^{-6}$	$2.709 \cdot 10^{-6}$	0
c3pqi	0.0009499	0.0009499	0	$2.879 \cdot 10^{-5}$	$2.879 \cdot 10^{-5}$	0
cQq13	0.2963	0.2963	0	2.801	2.801	0
cQq83	$-1.112 \cdot 10^{-9}$	$4.672 \cdot 10^{-19}$	1	0.07007	0.07007	0
c111221	0.001205	0.001205	0	$3.654 \cdot 10^{-5}$	$3.654 \cdot 10^{-5}$	0
ctW	0.007664	0.007664	0	0.01317	0.01317	0
sm	0	0	0	$2.601 \cdot 10^{-6}$	$2.601 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.3354	-0.3354	0	0.01017	0.01017	0
c3pl2	-0.03031	-0.03031	0	0.0009187	0.0009187	0
cWW	0.005193	0.005193	0	3.008	3.008	0
c111221	6.501	6.501	0	0.1971	0.1971	0
cpBB	-0.04111	-0.04111	0	0.04646	0.04646	0

cpDC	-0.02241	-0.02241	0	0.000387	0.000387	0
cpW	-0.0007776	-0.0007776	0	0.000106	0.000106	0
cpWB	0.08008	0.08008	0	0.6563	0.6563	0
sm	0	0	0	0.5795	0.5795	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pl1	-0.001704	-0.001704	0	$5.166 \cdot 10^{-5}$	$5.166 \cdot 10^{-5}$	0
c3pl2	-0.002642	-0.002642	0	$6.54 \cdot 10^{-5}$	$6.54 \cdot 10^{-5}$	0
c3pl3	0.0003624	0.0003624	0	$9.64 \cdot 10^{-6}$	$9.64 \cdot 10^{-6}$	0
cl11221	0.0008077	0.0008077	0	$2.448 \cdot 10^{-5}$	$2.448 \cdot 10^{-5}$	0
cl12233	0.3391	0.3391	0	2.466	2.466	0
cl12332	0.01357	0.01357	0	0.09873	0.09873	0
cpDC	-0.001931	-0.001931	0	0.0001255	0.0001255	0
cpWB	-0.009569	-0.009569	0	0.0008573	0.0008573	0
cp12	0.000734	0.000734	0	$1.3 \cdot 10^{-5}$	$1.3 \cdot 10^{-5}$	0
cp13	0.0003624	0.0003624	0	$9.64 \cdot 10^{-6}$	$9.64 \cdot 10^{-6}$	0
cpmu	-0.0005945	-0.0005945	0	$1.039 \cdot 10^{-5}$	$1.039 \cdot 10^{-5}$	0
cpta	-0.0008625	-0.0008625	0	$1.331 \cdot 10^{-5}$	$1.331 \cdot 10^{-5}$	0
sm	0	0	0	0.006681	0.006681	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pl1	-1.873	-1.873	0	0.05677	0.05677	0
c3pl2	-0.008738	-0.008738	0	0.0002649	0.0002649	0

c3pl3	3.745	3.745	0	0.2271	0.2271	0
c1l1221	$2.176 \cdot 10^{-6}$	$2.176 \cdot 10^{-6}$	0	$6.595 \cdot 10^{-8}$	$6.595 \cdot 10^{-8}$	0
c1l3333	-0.6909	-0.6909	0	6.269	6.269	0
cpDC	-0.001154	-0.001154	0	$1.749 \cdot 10^{-5}$	$1.749 \cdot 10^{-5}$	0
cpWB	$9.38 \cdot 10^{-19}$	0	1	$3.056 \cdot 10^{-36}$	0	1
cpl3	-3.745	-3.745	0	0.2271	0.2271	0
sm	0	0	0	0.6778	0.6778	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$-6.306 \cdot 10^{-21}$	0	1	$4.702 \cdot 10^{-38}$	0	1
c3pl2	$2.814 \cdot 10^{-21}$	$1.622 \cdot 10^{-21}$	0.4235	$9.011 \cdot 10^{-39}$	$2.985 \cdot 10^{-39}$	0.6688
c1l1122	0.006377	0.006377	0	0.04611	0.04611	0
c1l1221	0.07865	0.07865	0	0.571	0.571	0
cpDC	-0.001133	-0.001133	0	$1.717 \cdot 10^{-5}$	$1.717 \cdot 10^{-5}$	0
cpWB	$4.826 \cdot 10^{-21}$	0	1	$2.649 \cdot 10^{-38}$	0	1
cpl1	-0.000917	-0.000917	0	$2.78 \cdot 10^{-5}$	$2.78 \cdot 10^{-5}$	0
cpl2	-0.0005341	-0.0005341	0	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	0
sm	0	0	0	0.01427	0.01427	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$-1.267 \cdot 10^{-5}$	$-1.267 \cdot 10^{-5}$	0	$3.839 \cdot 10^{-7}$	$3.839 \cdot 10^{-7}$	0
c3pl2	$-1.221 \cdot 10^{-5}$	$-1.221 \cdot 10^{-5}$	0	$3.7 \cdot 10^{-7}$	$3.7 \cdot 10^{-7}$	0
c1l1221	$1.338 \cdot 10^{-5}$	$1.338 \cdot 10^{-5}$	0	$4.055 \cdot 10^{-7}$	$4.055 \cdot 10^{-7}$	0

cpDC	$-3.602 \cdot 10^{-5}$	$-3.602 \cdot 10^{-5}$	0	$1.79 \cdot 10^{-6}$	$1.79 \cdot 10^{-6}$	0
cpWB	$-4.42 \cdot 10^{-5}$	$-4.42 \cdot 10^{-5}$	0	$4.853 \cdot 10^{-6}$	$4.853 \cdot 10^{-6}$	0
sm	0	0	0	$8.347 \cdot 10^{-5}$	$8.347 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	0.0001159	0.0001159	0	$3.281 \cdot 10^{-6}$	$3.281 \cdot 10^{-6}$	0
c3p11	-0.0001515	-0.0001515	0	$4.593 \cdot 10^{-6}$	$4.593 \cdot 10^{-6}$	0
c3p12	$1.447 \cdot 10^{-6}$	$1.447 \cdot 10^{-6}$	0	$1.739 \cdot 10^{-6}$	$1.739 \cdot 10^{-6}$	0
cQ132	0.1033	0.1033	0	1.088	1.088	0
cQ1M2	0.03459	0.03459	0	0.1822	0.1822	0
cQmu	-0.002633	-0.002633	0	0.06033	0.06033	0
c111221	0.0003581	0.0003581	0	$1.085 \cdot 10^{-5}$	$1.085 \cdot 10^{-5}$	0
cpDC	$-6.495 \cdot 10^{-5}$	$-6.495 \cdot 10^{-5}$	0	$1.04 \cdot 10^{-5}$	$1.04 \cdot 10^{-5}$	0
cpQ3	$4.887 \cdot 10^{-5}$	$4.887 \cdot 10^{-5}$	0	$3.375 \cdot 10^{-6}$	$3.375 \cdot 10^{-6}$	0
cpWB	-0.0001491	-0.0001491	0	$1.735 \cdot 10^{-5}$	$1.735 \cdot 10^{-5}$	0
cpd	$6.18 \cdot 10^{-5}$	$6.18 \cdot 10^{-5}$	0	$6.49 \cdot 10^{-6}$	$6.49 \cdot 10^{-6}$	0
cp12	0.0001677	0.0001677	0	$6.438 \cdot 10^{-6}$	$6.438 \cdot 10^{-6}$	0
cpmu	$-2.931 \cdot 10^{-5}$	$-2.931 \cdot 10^{-5}$	0	$2.668 \cdot 10^{-6}$	$2.668 \cdot 10^{-6}$	0
sm	0	0	0	0.0003779	0.0003779	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	0.000154	0.000154	0	$5.53 \cdot 10^{-6}$	$5.53 \cdot 10^{-6}$	0
c3p11	$2.839 \cdot 10^{-21}$	$7.413 \cdot 10^{-22}$	0.7388	$1.182 \cdot 10^{-38}$	$1.959 \cdot 10^{-39}$	0.8343

c3p12	-0.0004156	-0.0004156	0	$1.26 \cdot 10^{-5}$	$1.26 \cdot 10^{-5}$	0
cQ1M1	-0.03784	-0.03784	0	0.1621	0.1621	0
c111221	$6.567 \cdot 10^{-5}$	$6.567 \cdot 10^{-5}$	0	$1.991 \cdot 10^{-6}$	$1.991 \cdot 10^{-6}$	0
cpDC	$-3.541 \cdot 10^{-5}$	$-3.541 \cdot 10^{-5}$	0	$8.715 \cdot 10^{-7}$	$8.715 \cdot 10^{-7}$	0
cpQ3	0.0003173	0.0003173	0	$1.139 \cdot 10^{-5}$	$1.139 \cdot 10^{-5}$	0
cpWB	0.0001382	0.0001382	0	$1.438 \cdot 10^{-6}$	$1.438 \cdot 10^{-6}$	0
cpd	$-1.681 \cdot 10^{-5}$	$-1.681 \cdot 10^{-5}$	0	$3.271 \cdot 10^{-6}$	$3.271 \cdot 10^{-6}$	0
cp11	$-4.003 \cdot 10^{-5}$	$-4.003 \cdot 10^{-5}$	0	$1.214 \cdot 10^{-6}$	$1.214 \cdot 10^{-6}$	0
sm	0	0	0	0.002223	0.002223	0

1.49 $b\bar{b} \rightarrow b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	-0.04579	-0.04579	0	0.0009527	0.0009527	0
c3p11	0.0101	0.0101	0	$5.19 \cdot 10^{-5}$	$5.19 \cdot 10^{-5}$	0
c3p12	0.03498	0.03498	0	0.000396	0.000396	0
cQQ1	-2.686	-2.686	0	1.499	1.499	0
cQQ8	-5.345	-5.345	$3.742 \cdot 10^{-8}$	0.2522	0.2522	$3.966 \cdot 10^{-8}$
cQd1	0.08631	0.08631	0	2.178	2.178	0
cQd8	-17.02	-17.02	0	0.447	0.447	0
c111221	-0.004977	-0.004977	0	$2.159 \cdot 10^{-5}$	$2.159 \cdot 10^{-5}$	0
cpDC	0.01206	0.01206	0	$5.229 \cdot 10^{-5}$	$5.229 \cdot 10^{-5}$	0
cpQ3	-0.05754	-0.05754	0	0.001479	0.001479	0
cpWB	0.01285	0.01285	0	0.000135	0.000135	0
cpd	0.04018	0.04018	0	0.01417	0.01417	0
sm	0	0	0	25.03	25.03	0

1.50 $b\bar{b} \rightarrow d\bar{d}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pQ3	$8.904 \cdot 10^{-5}$	$8.904 \cdot 10^{-5}$	0	$3.536 \cdot 10^{-6}$	$3.536 \cdot 10^{-6}$	0
c3pl1	$-2.211 \cdot 10^{-5}$	$-2.211 \cdot 10^{-5}$	0	$6.701 \cdot 10^{-7}$	$6.701 \cdot 10^{-7}$	0
c3pl2	-0.000258	-0.000258	0	$7.821 \cdot 10^{-6}$	$7.821 \cdot 10^{-6}$	0
c3pqi	$2.78 \cdot 10^{-5}$	$2.78 \cdot 10^{-5}$	0	$1.807 \cdot 10^{-6}$	$1.807 \cdot 10^{-6}$	0
cQd1	-0.008767	-0.008767	0	0.6026	0.6026	0
cQd8	0.2991	0.2991	0	0.1009	0.1009	0
cQq11	0.05476	0.05476	0	0.5002	0.5002	0
cQq13	0.003388	0.003388	0	0.03094	0.03094	0
cQq81	0.1854	0.1854	$-5.392 \cdot 10^{-8}$	0.1252	0.1252	0
cQq83	0.06592	0.06592	$-1.517 \cdot 10^{-8}$	0.04449	0.04449	0
cl11221	0.0002132	0.0002132	0	$6.461 \cdot 10^{-6}$	$6.461 \cdot 10^{-6}$	0
cpDC	$-8.128 \cdot 10^{-5}$	$-8.128 \cdot 10^{-5}$	0	$2.026 \cdot 10^{-6}$	$2.026 \cdot 10^{-6}$	0
cpQ3	0.0002018	0.0002018	0	$6.978 \cdot 10^{-6}$	$6.978 \cdot 10^{-6}$	0
cpWB	$5.233 \cdot 10^{-5}$	$5.233 \cdot 10^{-5}$	0	$2.528 \cdot 10^{-6}$	$2.528 \cdot 10^{-6}$	0
cpd	-0.0001015	-0.0001015	0	$4.624 \cdot 10^{-5}$	$4.624 \cdot 10^{-5}$	0
cpqi	0.0002725	0.0002725	0	$9.182 \cdot 10^{-6}$	$9.182 \cdot 10^{-6}$	0
sm	0	0	0	0.5312	0.5312	0

1.51 $b\bar{b} \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pQ3	0.02812	0.02812	0	0.005983	0.005983	0
c3pl1	-0.006495	-0.006495	0	0.001164	0.001164	0
c3pl2	-0.01443	-0.01443	0	0.001514	0.001514	0

cQQ1	-3.44	-3.44	0	0.8759	0.8759	0
cQQ8	-0.2974	-0.2974	$3.362 \cdot 10^{-8}$	0.1413	0.1413	0
cQd1	-0.004256	-0.004256	0	0.1834	0.1834	0
cQd8	0.04647	0.04647	0	0.009108	0.009108	0
cQt1	-0.2593	-0.2593	0	0.6306	0.6306	0
cQt8	-0.08232	-0.08232	0	0.02061	0.02061	0
cl11221	0.03232	0.03232	0	0.002423	0.002423	0
cpDC	0.001741	0.001741	0	$1.252 \cdot 10^{-5}$	$1.252 \cdot 10^{-5}$	0
cpQ3	-0.0007003	-0.0007003	0	$5.655 \cdot 10^{-6}$	$5.655 \cdot 10^{-6}$	0
cpWB	-0.0002079	-0.0002079	0	$1.777 \cdot 10^{-5}$	$1.777 \cdot 10^{-5}$	0
cpd	$-8.284 \cdot 10^{-5}$	$-8.284 \cdot 10^{-5}$	0	$4.812 \cdot 10^{-6}$	$4.812 \cdot 10^{-6}$	0
cpt	-0.001088	-0.001088	0	$9.586 \cdot 10^{-6}$	$9.586 \cdot 10^{-6}$	0
ctB	-0.002535	-0.002535	0	0.0008426	0.0008426	0
ctG	-0.6526	-0.6526	$2.452 \cdot 10^{-7}$	0.02114	0.02114	$5.205 \cdot 10^{-7}$
ctW	-0.1176	-0.1176	0	0.2054	0.2054	0
ctd1	-0.02801	-0.02801	0	0.4833	0.4833	0
ctd8	0.3377	0.3377	0	0.1074	0.1074	0
sm	0	0	0	0.4027	0.4027	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	0.0005326	0.0005326	0	$1.556 \cdot 10^{-5}$	$1.556 \cdot 10^{-5}$	0
c3pl1	-0.0005097	-0.0005097	0	$1.545 \cdot 10^{-5}$	$1.545 \cdot 10^{-5}$	0
c3pl2	-0.0005938	-0.0005938	0	$1.8 \cdot 10^{-5}$	$1.8 \cdot 10^{-5}$	0
c3pqi	0.0005322	0.0005322	0	$1.879 \cdot 10^{-5}$	$1.879 \cdot 10^{-5}$	0
cQq11	-0.1709	-0.1709	0	1.672	1.672	0
cQq13	0.1512	0.1512	0	1.479	1.479	0

cQq81	0.6575	0.6575	$1.521 \cdot 10^{-8}$	0.4438	0.4438	0
cQq83	-0.585	-0.585	$1.709 \cdot 10^{-8}$	0.3949	0.3949	0
cQu1	0.003236	0.003236	0	0.1112	0.1112	0
cQu8	0.1012	0.1012	0	0.03414	0.03414	0
c111221	0.0006845	0.0006845	0	$2.075 \cdot 10^{-5}$	$2.075 \cdot 10^{-5}$	0
cpDC	$-5.843 \cdot 10^{-5}$	$-5.843 \cdot 10^{-5}$	0	$6.821 \cdot 10^{-6}$	$6.821 \cdot 10^{-6}$	0
cpQ3	0.0005027	0.0005027	0	$1.478 \cdot 10^{-5}$	$1.478 \cdot 10^{-5}$	0
cpWB	$-8.261 \cdot 10^{-5}$	$-8.261 \cdot 10^{-5}$	0	$1.934 \cdot 10^{-5}$	$1.934 \cdot 10^{-5}$	0
cpd	-0.0001174	-0.0001174	0	$5.813 \cdot 10^{-6}$	$5.813 \cdot 10^{-6}$	0
cpqi	-0.0006232	-0.0006232	0	$2.185 \cdot 10^{-5}$	$2.185 \cdot 10^{-5}$	0
cpu	$6.163 \cdot 10^{-5}$	$6.163 \cdot 10^{-5}$	0	$1.953 \cdot 10^{-6}$	$1.953 \cdot 10^{-6}$	0
sm	0	0	0	0.5344	0.5344	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	$4.882 \cdot 10^{-5}$	$4.882 \cdot 10^{-5}$	0	$1.48 \cdot 10^{-6}$	$1.48 \cdot 10^{-6}$	0
c3pl1	$1.152 \cdot 10^{-19}$	$1.004 \cdot 10^{-19}$	0.1279	$3.251 \cdot 10^{-35}$	$3.209 \cdot 10^{-35}$	0.01286
c3pl2	-0.0002712	-0.0002712	0	$8.22 \cdot 10^{-6}$	$8.22 \cdot 10^{-6}$	0
cQ131	0.04046	0.04046	0	0.1912	0.1912	0
c111221	0.001094	0.001094	0	$3.317 \cdot 10^{-5}$	$3.317 \cdot 10^{-5}$	0
ctW	0.004269	0.004269	0	0.003312	0.003312	0
sm	0	0	0	0.0002446	0.0002446	0

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

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

c3pl1	-0.0006017	-0.0006017	0	$1.824 \cdot 10^{-5}$	$1.824 \cdot 10^{-5}$	0
c3pl2	-0.0001893	-0.0001893	0	$5.224 \cdot 10^{-6}$	$5.224 \cdot 10^{-6}$	0
c3pqi	0.0002449	0.0002449	0	$4.856 \cdot 10^{-6}$	$4.856 \cdot 10^{-6}$	0
c111221	0.0001621	0.0001621	0	$4.914 \cdot 10^{-6}$	$4.914 \cdot 10^{-6}$	0
cpDC	-0.0002367	-0.0002367	0	$1.38 \cdot 10^{-5}$	$1.38 \cdot 10^{-5}$	0
cpWB	-0.0007603	-0.0007603	0	$7.087 \cdot 10^{-5}$	$7.087 \cdot 10^{-5}$	0
cpl2	$1.854 \cdot 10^{-5}$	$1.854 \cdot 10^{-5}$	0	$2.265 \cdot 10^{-6}$	$2.265 \cdot 10^{-6}$	0
cpmu	$1.841 \cdot 10^{-5}$	$1.841 \cdot 10^{-5}$	0	$5.129 \cdot 10^{-6}$	$5.129 \cdot 10^{-6}$	0
cpqi	-0.0001421	-0.0001421	0	$3.464 \cdot 10^{-6}$	$3.464 \cdot 10^{-6}$	0
cpu	0.0001115	0.0001115	0	$3.227 \cdot 10^{-6}$	$3.227 \cdot 10^{-6}$	0
sm	0	0	0	0.0007323	0.0007323	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.0003257	-0.0003257	0	$9.873 \cdot 10^{-6}$	$9.873 \cdot 10^{-6}$	0
c3pl2	$-4.484 \cdot 10^{-5}$	$-4.484 \cdot 10^{-5}$	0	$1.359 \cdot 10^{-6}$	$1.359 \cdot 10^{-6}$	0
c3pl3	0.0003257	0.0003257	0	$9.873 \cdot 10^{-6}$	$9.873 \cdot 10^{-6}$	0
c3pqi	0.0003257	0.0003257	0	$9.873 \cdot 10^{-6}$	$9.873 \cdot 10^{-6}$	0
c111221	0.0006541	0.0006541	0	$1.983 \cdot 10^{-5}$	$1.983 \cdot 10^{-5}$	0
sm	0	0	0	0.002594	0.002594	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.0001945	-0.0001945	0	$5.897 \cdot 10^{-6}$	$5.897 \cdot 10^{-6}$	0
c3pl2	-0.0004618	-0.0004618	0	$1.4 \cdot 10^{-5}$	$1.4 \cdot 10^{-5}$	0

c3pqi	0.000373	0.000373	0	$2.543 \cdot 10^{-5}$	$2.543 \cdot 10^{-5}$	0
c111221	$9.138 \cdot 10^{-5}$	$9.138 \cdot 10^{-5}$	0	$2.77 \cdot 10^{-6}$	$2.77 \cdot 10^{-6}$	0
cpDC	-0.0001017	-0.0001017	0	$1.261 \cdot 10^{-5}$	$1.261 \cdot 10^{-5}$	0
cpWB	$-6.473 \cdot 10^{-5}$	$-6.473 \cdot 10^{-5}$	0	$1.649 \cdot 10^{-5}$	$1.649 \cdot 10^{-5}$	0
cpd	-0.000146	-0.000146	0	$6.686 \cdot 10^{-6}$	$6.686 \cdot 10^{-6}$	0
cpqi	$-7.242 \cdot 10^{-5}$	$-7.242 \cdot 10^{-5}$	0	$2.09 \cdot 10^{-6}$	$2.09 \cdot 10^{-6}$	0
cpu	$7.304 \cdot 10^{-5}$	$7.304 \cdot 10^{-5}$	0	$1.676 \cdot 10^{-6}$	$1.676 \cdot 10^{-6}$	0
sm	0	0	0	0.708	0.708	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	$6.117 \cdot 10^{-6}$	$6.117 \cdot 10^{-6}$	0	$2.161 \cdot 10^{-6}$	$2.161 \cdot 10^{-6}$	0
c3p12	-0.0002528	-0.0002528	0	$7.664 \cdot 10^{-6}$	$7.664 \cdot 10^{-6}$	0
c3pqi	0.0002116	0.0002116	0	$5.048 \cdot 10^{-6}$	$5.048 \cdot 10^{-6}$	0
c111221	0.0003548	0.0003548	0	$1.075 \cdot 10^{-5}$	$1.075 \cdot 10^{-5}$	0
cpDC	$-3.723 \cdot 10^{-5}$	$-3.723 \cdot 10^{-5}$	0	$4.05 \cdot 10^{-6}$	$4.05 \cdot 10^{-6}$	0
cpWB	-0.0001552	-0.0001552	0	$1.793 \cdot 10^{-5}$	$1.793 \cdot 10^{-5}$	0
cpd	$3.815 \cdot 10^{-5}$	$3.815 \cdot 10^{-5}$	0	$4.585 \cdot 10^{-6}$	$4.585 \cdot 10^{-6}$	0
cpe	$-7.623 \cdot 10^{-5}$	$-7.623 \cdot 10^{-5}$	0	$1.225 \cdot 10^{-5}$	$1.225 \cdot 10^{-5}$	0
cp11	0.0001785	0.0001785	0	$6.821 \cdot 10^{-6}$	$6.821 \cdot 10^{-6}$	0
cpqi	0.000165	0.000165	0	$4.105 \cdot 10^{-6}$	$4.105 \cdot 10^{-6}$	0
sm	0	0	0	0.0003018	0.0003018	0

1.58 $e^+\nu_\mu \rightarrow e^+\nu_\mu$

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

c3pl1	-0.001921	-0.001921	0	0.003919	0.003919	0
c3pl2	$1.326 \cdot 10^{-18}$	$1.162 \cdot 10^{-18}$	0.1234	$1.547 \cdot 10^{-35}$	$3.033 \cdot 10^{-36}$	0.804
cll1122	1.101	1.101	0	2.735	2.735	0
cll1221	0.000594	0.000594	0	$1.801 \cdot 10^{-5}$	$1.801 \cdot 10^{-5}$	0
cpDC	-0.001218	-0.001218	0	$7.932 \cdot 10^{-5}$	$7.932 \cdot 10^{-5}$	0
cpWB	-0.006054	-0.006054	0	0.002532	0.002532	0
cpe	-0.004699	-0.004699	0	0.0003047	0.0003047	0
cp11	0.04833	0.04833	0	0.002751	0.002751	0
cp12	-0.0005013	-0.0005013	0	$1.52 \cdot 10^{-5}$	$1.52 \cdot 10^{-5}$	0
sm	0	0	0	0.02477	0.02477	0

1.59 $e^+\nu_e \rightarrow \mu^+\nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$1.552 \cdot 10^{-19}$	$-3.249 \cdot 10^{-19}$	3.093	$7.523 \cdot 10^{-37}$	$9.404 \cdot 10^{-37}$	-0.25
c3pl2	$1.442 \cdot 10^{-18}$	$7.212 \cdot 10^{-19}$	0.5	$1.279 \cdot 10^{-35}$	$3.197 \cdot 10^{-36}$	0.75
cll1221	0.1347	0.1347	0	0.6408	0.6408	0
sm	0	0	0	0.01526	0.01526	0

1.60 $e^+\nu_e \rightarrow e^+\nu_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	0.01335	0.01335	0	0.0005809	0.0005809	0
c3pl2	-0.0005101	-0.0005101	0	$1.546 \cdot 10^{-5}$	$1.546 \cdot 10^{-5}$	0
cll1111	0.08086	0.08086	0	0.262	0.262	0
cll1221	0.007422	0.007422	0	0.000225	0.000225	0
cpDC	-0.00166	-0.00166	0	0.0001241	0.0001241	0

cpWB	-0.0009173	-0.0009173	0	$5.043 \cdot 10^{-5}$	$5.043 \cdot 10^{-5}$	0
cpe	-0.05025	-0.05025	0	0.003259	0.003259	0
cp11	-0.0006602	-0.0006602	0	$2.606 \cdot 10^{-5}$	$2.606 \cdot 10^{-5}$	0
sm	0	0	0	0.5721	0.5721	0

1.61 $e^+\tau^- \rightarrow e^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	-0.08616	-0.08616	0	0.003058	0.003058	0
c3p12	-0.002463	-0.002463	0	$7.467 \cdot 10^{-5}$	$7.467 \cdot 10^{-5}$	0
c3p13	0.006176	0.006176	0	0.0006334	0.0006334	0
c111133	-3.209	-3.209	0	3.043	3.043	0
c111221	1.377	1.377	0	0.04175	0.04175	0
c111331	-0.3256	-0.3256	0	1.122	1.122	0
cpDC	-0.3836	-0.3836	0	0.02183	0.02183	0
cpWB	-0.01169	-0.01169	0	0.001803	0.001803	0
cpe	-0.00666	-0.00666	0	0.001374	0.001374	0
cp11	0.01346	0.01346	0	0.001086	0.001086	0
cp13	0.006176	0.006176	0	0.0006334	0.0006334	0
cpta	0.000924	0.000924	0	$3.789 \cdot 10^{-5}$	$3.789 \cdot 10^{-5}$	0
sm	0	0	0	1.702	1.702	0

1.62 $e^+e^- \rightarrow \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	-0.001184	-0.001184	0	$3.792 \cdot 10^{-5}$	$3.792 \cdot 10^{-5}$	0
c3p12	-0.001003	-0.001003	0	$4.329 \cdot 10^{-5}$	$4.329 \cdot 10^{-5}$	0

c111122	0.05278	0.05278	0	0.3839	0.3839	0
c111221	0.05054	0.05054	0	0.3643	0.3643	0
cpDC	-0.001585	-0.001585	0	$9.524 \cdot 10^{-5}$	$9.524 \cdot 10^{-5}$	0
cpWB	-0.003632	-0.003632	0	0.0005198	0.0005198	0
cpe	0.00016	0.00016	0	$1.079 \cdot 10^{-5}$	$1.079 \cdot 10^{-5}$	0
cp11	0.001001	0.001001	0	$1.646 \cdot 10^{-5}$	$1.646 \cdot 10^{-5}$	0
cp12	0.001099	0.001099	0	$1.791 \cdot 10^{-5}$	$1.791 \cdot 10^{-5}$	0
cpmu	-0.0009005	-0.0009005	0	$1.382 \cdot 10^{-5}$	$1.382 \cdot 10^{-5}$	0
sm	0	0	0	0.007396	0.007396	0

1.63 $e^+e^- \rightarrow e^+e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3p11	-0.004743	-0.004743	0	0.0002857	0.0002857	0
c3p12	-0.06609	-0.06609	0	0.002003	0.002003	0
c111111	-3.845	-3.845	0	11.18	11.18	0
c111221	0.005296	0.005296	0	0.0001605	0.0001605	0
cpDC	-0.1786	-0.1786	0	0.01038	0.01038	0
cpWB	-0.2421	-0.2421	0	0.03137	0.03137	0
cpe	0.008275	0.008275	0	0.0007952	0.0007952	0
cp11	-0.00233	-0.00233	0	$7.099 \cdot 10^{-5}$	$7.099 \cdot 10^{-5}$	0
sm	0	0	0	0.2802	0.2802	0

1.64 $gg \rightarrow gg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$2.136 \cdot 10^{-10}$	$2.136 \cdot 10^{-10}$	$-3.315 \cdot 10^{-5}$	140.9	140.9	$4.968 \cdot 10^{-7}$

sm	0	0	0	36.02	36.02	0
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1.65 $gg \rightarrow ggg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	-0.0005488	-0.0005488	$2.551 \cdot 10^{-7}$	0.02379	0.02379	$5.045 \cdot 10^{-7}$
sm	0	0	0	0.0149	0.0149	0

1.66 $gg \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	1.298	1.298	$2.312 \cdot 10^{-7}$	0.6809	0.6809	$4.994 \cdot 10^{-7}$
cpG	-0.2135	-0.2135	0	0.04035	0.04035	0
ctG	0.3798	0.3798	$2.369 \cdot 10^{-7}$	0.1533	0.1533	$4.566 \cdot 10^{-7}$
sm	0	0	0	4.817	4.817	0

1.67 $gg \rightarrow u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$9.442 \cdot 10^{-12}$	$9.442 \cdot 10^{-12}$	$2.542 \cdot 10^{-7}$	0.9829	0.9829	$4.985 \cdot 10^{-7}$
sm	0	0	0	5.364	5.364	0

1.68 $s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$

interference	square
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	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.000248	-0.000248	0	$7.519 \cdot 10^{-6}$	$7.519 \cdot 10^{-6}$	0
c3pl2	-0.0002554	-0.0002554	0	$7.741 \cdot 10^{-6}$	$7.741 \cdot 10^{-6}$	0
c3pl3	0.000248	0.000248	0	$7.519 \cdot 10^{-6}$	$7.519 \cdot 10^{-6}$	0
c3pqi	0.0002914	0.0002914	0	$1.046 \cdot 10^{-5}$	$1.046 \cdot 10^{-5}$	0
cll1221	0.0001676	0.0001676	0	$5.08 \cdot 10^{-6}$	$5.08 \cdot 10^{-6}$	0
cpDC	$-7.62 \cdot 10^{-5}$	$-7.62 \cdot 10^{-5}$	0	$5.238 \cdot 10^{-7}$	$5.238 \cdot 10^{-7}$	0
cpWB	$8.117 \cdot 10^{-5}$	$8.117 \cdot 10^{-5}$	0	$1.051 \cdot 10^{-6}$	$1.051 \cdot 10^{-6}$	0
cpd	$-4.313 \cdot 10^{-5}$	$-4.313 \cdot 10^{-5}$	0	$8.39 \cdot 10^{-6}$	$8.39 \cdot 10^{-6}$	0
cpl3	-0.000248	-0.000248	0	$7.519 \cdot 10^{-6}$	$7.519 \cdot 10^{-6}$	0
cpqi	0.0003002	0.0003002	0	$1.078 \cdot 10^{-5}$	$1.078 \cdot 10^{-5}$	0
sm	0	0	0	0.004544	0.004544	0

1.69 $s\bar{s} \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	0.003947	0.003947	0	$1.663 \cdot 10^{-5}$	$1.663 \cdot 10^{-5}$	0
c3pl2	0.01108	0.01108	0	$5.88 \cdot 10^{-5}$	$5.88 \cdot 10^{-5}$	0
c3pqi	-0.007285	-0.007285	0	$7.918 \cdot 10^{-5}$	$7.918 \cdot 10^{-5}$	0
cll1221	-0.0005027	-0.0005027	0	$2.569 \cdot 10^{-6}$	$2.569 \cdot 10^{-6}$	0
cpDC	-0.03491	-0.03491	0	0.006731	0.006731	0
cpWB	0.003192	0.003192	0	$2.261 \cdot 10^{-5}$	$2.261 \cdot 10^{-5}$	0
cpd	0.00112	0.00112	0	0.0003006	0.0003006	0
cpqi	-0.02039	-0.02039	0	0.0002704	0.0002704	0
sm	0	0	0	10.38	10.38	0

1.70 $t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pQ3	0.0002019	0.0002019	0	$9.203 \cdot 10^{-6}$	$9.203 \cdot 10^{-6}$	0
c3p11	-0.0001091	-0.0001091	0	$3.307 \cdot 10^{-6}$	$3.307 \cdot 10^{-6}$	0
c3p12	$1.689 \cdot 10^{-20}$	$-1.207 \cdot 10^{-20}$	1.715	$5.447 \cdot 10^{-36}$	$8 \cdot 10^{-36}$	-0.4688
cQ132	0.00133	0.00133	0	0.03182	0.03182	0
cQ1M2	0.0002635	0.0002635	0	0.005847	0.005847	0
c111221	$5.642 \cdot 10^{-5}$	$5.642 \cdot 10^{-5}$	0	$1.71 \cdot 10^{-6}$	$1.71 \cdot 10^{-6}$	0
cpDC	$6.563 \cdot 10^{-5}$	$6.563 \cdot 10^{-5}$	0	$9.945 \cdot 10^{-7}$	$9.945 \cdot 10^{-7}$	0
cpQ3	-0.0002634	-0.0002634	0	$1.191 \cdot 10^{-5}$	$1.191 \cdot 10^{-5}$	0
cpWB	$-9.927 \cdot 10^{-5}$	$-9.927 \cdot 10^{-5}$	0	$6.578 \cdot 10^{-6}$	$6.578 \cdot 10^{-6}$	0
cp12	-0.0001463	-0.0001463	0	$4.433 \cdot 10^{-6}$	$4.433 \cdot 10^{-6}$	0
cpt	0.0001782	0.0001782	0	$1.886 \cdot 10^{-5}$	$1.886 \cdot 10^{-5}$	0
ctB	-0.0007819	-0.0007819	0	0.0006727	0.0006727	0
ctW	-0.0006006	-0.0006006	0	0.001424	0.001424	0
ctl2	-0.02125	-0.02125	0	0.2683	0.2683	0
sm	0	0	0	0.001517	0.001517	0

1.71 $t\bar{t} \rightarrow \tau^+ \tau^-$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pQ3	0.0002547	0.0002547	0	$5.116 \cdot 10^{-6}$	$5.116 \cdot 10^{-6}$	0
c3p11	-0.0002868	-0.0002868	0	$8.693 \cdot 10^{-6}$	$8.693 \cdot 10^{-6}$	0
c3p12	-0.0003421	-0.0003421	0	$1.037 \cdot 10^{-5}$	$1.037 \cdot 10^{-5}$	0
c3p13	0.0001137	0.0001137	0	$3.525 \cdot 10^{-6}$	$3.525 \cdot 10^{-6}$	0
cQ1M3	-0.02933	-0.02933	0	0.1226	0.1226	0
cQta	-0.002391	-0.002391	0	0.01671	0.01671	0
c111221	0.0006798	0.0006798	0	$2.061 \cdot 10^{-5}$	$2.061 \cdot 10^{-5}$	0
cpDC	-0.0005127	-0.0005127	0	$2.856 \cdot 10^{-5}$	$2.856 \cdot 10^{-5}$	0

cpQ3	$5.121 \cdot 10^{-5}$	$5.121 \cdot 10^{-5}$	0	$4.719 \cdot 10^{-6}$	$4.719 \cdot 10^{-6}$	0
cpWB	-0.00076	-0.00076	0	$7.559 \cdot 10^{-5}$	$7.559 \cdot 10^{-5}$	0
cp13	0.0001137	0.0001137	0	$3.525 \cdot 10^{-6}$	$3.525 \cdot 10^{-6}$	0
cpt	$5.098 \cdot 10^{-5}$	$5.098 \cdot 10^{-5}$	0	$3.073 \cdot 10^{-6}$	$3.073 \cdot 10^{-6}$	0
cp _{ta}	$-3.171 \cdot 10^{-5}$	$-3.171 \cdot 10^{-5}$	0	$2.528 \cdot 10^{-6}$	$2.528 \cdot 10^{-6}$	0
ctB	0.001455	0.001455	0	0.001291	0.001291	0
ctW	0.002829	0.002829	0	0.001341	0.001341	0
ctl3	-0.003057	-0.003057	0	0.008991	0.008991	0
ct _{ta}	-0.0007195	-0.0007195	0	0.001783	0.001783	0
sm	0	0	0	0.0008566	0.0008566	0

1.72 $t\bar{t} \rightarrow c\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	0.0006552	0.0006552	0	$1.823 \cdot 10^{-5}$	$1.823 \cdot 10^{-5}$	0
c3p11	-0.0003644	-0.0003644	0	$1.105 \cdot 10^{-5}$	$1.105 \cdot 10^{-5}$	0
c3p12	-0.0006697	-0.0006697	0	$2.03 \cdot 10^{-5}$	$2.03 \cdot 10^{-5}$	0
c3pqi	0.0001871	0.0001871	0	$7.59 \cdot 10^{-6}$	$7.59 \cdot 10^{-6}$	0
cQq11	0.06631	0.06631	0	0.592	0.592	0
cQq13	0.08	0.08	0	0.7173	0.7173	0
cQq81	0.6324	0.6324	$-1.581 \cdot 10^{-8}$	0.4005	0.4005	0
cQq83	0.7346	0.7346	$-1.361 \cdot 10^{-8}$	0.4695	0.4695	0
cQu1	0.005945	0.005945	0	0.09168	0.09168	0
cQu8	0.2614	0.2614	0	0.08164	0.08164	0
c111221	0.0008525	0.0008525	0	$2.584 \cdot 10^{-5}$	$2.584 \cdot 10^{-5}$	0
cpDC	-0.000141	-0.000141	0	$8.108 \cdot 10^{-6}$	$8.108 \cdot 10^{-6}$	0
cpQ3	-0.0001521	-0.0001521	0	$7.77 \cdot 10^{-6}$	$7.77 \cdot 10^{-6}$	0
cpWB	-0.000909	-0.000909	0	$8.886 \cdot 10^{-5}$	$8.886 \cdot 10^{-5}$	0

cpqi	-0.0004147	-0.0004147	0	$1.207 \cdot 10^{-5}$	$1.207 \cdot 10^{-5}$	0
cpt	$3.815 \cdot 10^{-5}$	$3.815 \cdot 10^{-5}$	0	$8.786 \cdot 10^{-6}$	$8.786 \cdot 10^{-6}$	0
cpu	0.0001703	0.0001703	0	$5.195 \cdot 10^{-6}$	$5.195 \cdot 10^{-6}$	0
ctB	0.002493	0.002493	0	0.004084	0.004084	0
ctG	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.05115	0.05115	$4.888 \cdot 10^{-7}$
ctW	0.00611	0.00611	0	0.006964	0.006964	0
ctq1	0.009029	0.009029	0	0.09168	0.09168	0
ctq8	0.1459	0.1459	0	0.04268	0.04268	0
ctu1	0.03546	0.03546	0	0.592	0.592	0
ctu8	0.2751	0.2751	0	0.1594	0.1594	0
sm	0	0	0	0.6104	0.6104	0

1.73 $t\bar{t} \rightarrow d\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	0.0001101	0.0001101	0	$5.353 \cdot 10^{-6}$	$5.353 \cdot 10^{-6}$	0
c3p11	$-2.361 \cdot 10^{-5}$	$-2.361 \cdot 10^{-5}$	0	$7.158 \cdot 10^{-7}$	$7.158 \cdot 10^{-7}$	0
c3p12	-0.0003793	-0.0003793	0	$1.15 \cdot 10^{-5}$	$1.15 \cdot 10^{-5}$	0
c3pqi	$5.61 \cdot 10^{-5}$	$5.61 \cdot 10^{-5}$	0	$5.937 \cdot 10^{-6}$	$5.937 \cdot 10^{-6}$	0
cQd1	-0.009189	-0.009189	0	0.5357	0.5357	0
cQd8	0.189	0.189	0	0.05719	0.05719	0
cQq11	-0.006467	-0.006467	0	0.08011	0.08011	0
cQq13	-0.001306	-0.001306	0	0.004062	0.004062	0
cQq81	0.6162	0.6162	$1.623 \cdot 10^{-8}$	0.3896	0.3896	0
cQq83	-0.1556	-0.1556	$6.425 \cdot 10^{-8}$	0.07875	0.07875	0
c111221	0.0005935	0.0005935	0	$1.799 \cdot 10^{-5}$	$1.799 \cdot 10^{-5}$	0
cpDC	$-4.997 \cdot 10^{-5}$	$-4.997 \cdot 10^{-5}$	0	$6.867 \cdot 10^{-6}$	$6.867 \cdot 10^{-6}$	0
cpQ3	$-6.257 \cdot 10^{-6}$	$-6.257 \cdot 10^{-6}$	0	$2.349 \cdot 10^{-6}$	$2.349 \cdot 10^{-6}$	0

cpWB	$-7.422 \cdot 10^{-5}$	$-7.422 \cdot 10^{-5}$	0	$1.694 \cdot 10^{-5}$	$1.694 \cdot 10^{-5}$	0
cpd	$-1.122 \cdot 10^{-5}$	$-1.122 \cdot 10^{-5}$	0	$9.545 \cdot 10^{-6}$	$9.545 \cdot 10^{-6}$	0
cpqi	0.0003272	0.0003272	0	$1.011 \cdot 10^{-5}$	$1.011 \cdot 10^{-5}$	0
cpt	$3.035 \cdot 10^{-5}$	$3.035 \cdot 10^{-5}$	0	$1.308 \cdot 10^{-5}$	$1.308 \cdot 10^{-5}$	0
ctB	0.0002713	0.0002713	0	0.0006783	0.0006783	0
ctG	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.06505	0.06505	$5.073 \cdot 10^{-7}$
ctW	0.004872	0.004872	0	0.007055	0.007055	0
ctd1	-0.02544	-0.02544	0	0.4383	0.4383	0
ctd8	0.3081	0.3081	0	0.0974	0.0974	0
ctq1	0.00954	0.00954	0	0.5357	0.5357	0
ctq8	0.1852	0.1852	0	0.05592	0.05592	0
sm	0	0	0	0.847	0.847	0

1.74 $t\bar{t} \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	0.0006091	0.0006091	0	$2.171 \cdot 10^{-5}$	$2.171 \cdot 10^{-5}$	0
c3p11	-0.0005031	-0.0005031	0	$1.525 \cdot 10^{-5}$	$1.525 \cdot 10^{-5}$	0
c3p12	-0.0001996	-0.0001996	0	$6.05 \cdot 10^{-6}$	$6.05 \cdot 10^{-6}$	0
c3pqi	0.0004306	0.0004306	0	$1.268 \cdot 10^{-5}$	$1.268 \cdot 10^{-5}$	0
cQd1	-0.003658	-0.003658	0	0.1406	0.1406	0
cQd8	0.5898	0.5898	0	0.1925	0.1925	0
cQq11	-0.2112	-0.2112	0	2.083	2.083	0
cQq13	0.15	0.15	0	1.485	1.485	0
cQq81	0.151	0.151	0	0.07563	0.07563	0
cQq83	-0.6032	-0.6032	$1.658 \cdot 10^{-8}$	0.3808	0.3808	0
c111221	0.0001242	0.0001242	0	$3.764 \cdot 10^{-6}$	$3.764 \cdot 10^{-6}$	0
cpDC	$-6.79 \cdot 10^{-5}$	$-6.79 \cdot 10^{-5}$	0	$9.441 \cdot 10^{-6}$	$9.441 \cdot 10^{-6}$	0

cpQ3	-0.0007437	-0.0007437	0	$2.626 \cdot 10^{-5}$	$2.626 \cdot 10^{-5}$	0
cpWB	$-5.037 \cdot 10^{-5}$	$-5.037 \cdot 10^{-5}$	0	$1.455 \cdot 10^{-5}$	$1.455 \cdot 10^{-5}$	0
cpd	$7.719 \cdot 10^{-5}$	$7.719 \cdot 10^{-5}$	0	$2.803 \cdot 10^{-5}$	$2.803 \cdot 10^{-5}$	0
cpqi	0.0001803	0.0001803	0	$6.771 \cdot 10^{-6}$	$6.771 \cdot 10^{-6}$	0
cpt	$5.577 \cdot 10^{-5}$	$5.577 \cdot 10^{-5}$	0	$2.15 \cdot 10^{-5}$	$2.15 \cdot 10^{-5}$	0
ctB	-0.0003596	-0.0003596	0	0.0011	0.0011	0
ctG	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.05042	0.05042	$5.157 \cdot 10^{-7}$
ctW	0.001491	0.001491	0	0.006329	0.006329	0
ctd1	-0.005272	-0.005272	0	0.08509	0.08509	0
ctd8	0.07551	0.07551	0	0.01891	0.01891	0
ctq1	-0.001955	-0.001955	0	0.1406	0.1406	0
ctq8	0.2988	0.2988	0	0.09426	0.09426	0
sm	0	0	0	0.6642	0.6642	0

1.75 $t\bar{t} \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pQ3	-0.08278	-0.08278	0	0.008617	0.008617	0
c3p11	0.8079	0.8079	0	0.01391	0.01391	0
c3p12	0.7078	0.7078	0	0.0108	0.0108	0
cQQ1	0.005075	0.005075	0	0.04215	0.04215	0
cQQ8	-16.06	-16.06	0	0.9341	0.9341	$4.282 \cdot 10^{-8}$
cQt1	-0.1994	-0.1994	0	11.84	11.84	0
cQt8	-3.949	-3.949	0	1.896	1.896	0
cdp	-0.09059	-0.09059	0	0.008573	0.008573	0
c111221	-0.1099	-0.1099	0	0.003665	0.003665	0
cpDC	0.02317	0.02317	0	0.0008195	0.0008195	0
cpQ3	0.04393	0.04393	0	0.00843	0.00843	0

cpWB	0.1062	0.1062	0	0.02758	0.02758	0
cpt	-0.7902	-0.7902	0	0.01997	0.01997	0
ctB	-0.02957	-0.02957	0	0.03632	0.03632	0
ctG	0.1716	0.1716	$2.331 \cdot 10^{-7}$	0.1635	0.1635	$4.892 \cdot 10^{-7}$
ctW	-0.1925	-0.1925	0	0.1793	0.1793	0
ctp	1.067	1.067	0	0.01568	0.01568	0
ctt1	-54.78	-54.78	0	31.79	31.79	0
sm	0	0	0	0.5576	0.5576	0

1.76 $u\bar{d} \rightarrow \mu^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	$-1.114 \cdot 10^{-5}$	$-1.114 \cdot 10^{-5}$	0	$3.378 \cdot 10^{-7}$	$3.378 \cdot 10^{-7}$	0
c3pl2	$4.326 \cdot 10^{-20}$	0	1	$1.254 \cdot 10^{-37}$	0	1
c3pqi	$1.114 \cdot 10^{-5}$	$1.114 \cdot 10^{-5}$	0	$3.378 \cdot 10^{-7}$	$3.378 \cdot 10^{-7}$	0
cll1221	$2.738 \cdot 10^{-5}$	$2.738 \cdot 10^{-5}$	0	$8.3 \cdot 10^{-7}$	$8.3 \cdot 10^{-7}$	0
sm	0	0	0	0.008357	0.008357	0

1.77 $u\bar{d} \rightarrow c\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.001029	-0.001029	0	$3.12 \cdot 10^{-5}$	$3.12 \cdot 10^{-5}$	0
c3pl2	-0.004148	-0.004148	0	0.0001257	0.0001257	0
c3pqi	0.002058	0.002058	0	0.0001248	0.0001248	0
cll1221	0.003641	0.003641	0	0.0001104	0.0001104	0
sm	0	0	0	$5.563 \cdot 10^{-5}$	$5.563 \cdot 10^{-5}$	0

1.78 $u\bar{d} \rightarrow u\bar{d}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pl1	0.0005765	0.0005765	0	$1.716 \cdot 10^{-5}$	$1.716 \cdot 10^{-5}$	0
c3pl2	0.001003	0.001003	0	$2.718 \cdot 10^{-5}$	$2.718 \cdot 10^{-5}$	0
c3pqi	-0.001171	-0.001171	0	$7.666 \cdot 10^{-5}$	$7.666 \cdot 10^{-5}$	0
c111221	-0.0004952	-0.0004952	0	$1.518 \cdot 10^{-5}$	$1.518 \cdot 10^{-5}$	0
cpDC	-0.0003511	-0.0003511	0	$3.049 \cdot 10^{-5}$	$3.049 \cdot 10^{-5}$	0
cpWB	$-4.671 \cdot 10^{-5}$	$-4.671 \cdot 10^{-5}$	0	$4.115 \cdot 10^{-5}$	$4.115 \cdot 10^{-5}$	0
cpd	0.0001508	0.0001508	0	0.000386	0.000386	0
cpqi	0.0001138	0.0001138	0	$1.624 \cdot 10^{-5}$	$1.624 \cdot 10^{-5}$	0
cpu	0.002446	0.002446	0	0.000536	0.000536	0
sm	0	0	0	2.116	2.116	0

1.79 $u\bar{u} \rightarrow \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3pl1	$2.33 \cdot 10^{-21}$	$8.575 \cdot 10^{-21}$	-2.68	$6.208 \cdot 10^{-39}$	$1.665 \cdot 10^{-38}$	-1.683
c3pl2	-0.000141	-0.000141	0	$4.273 \cdot 10^{-6}$	$4.273 \cdot 10^{-6}$	0
c3pqi	0.0002338	0.0002338	0	$1.029 \cdot 10^{-5}$	$1.029 \cdot 10^{-5}$	0
c111221	$6.293 \cdot 10^{-5}$	$6.293 \cdot 10^{-5}$	0	$1.907 \cdot 10^{-6}$	$1.907 \cdot 10^{-6}$	0
cpDC	$-2.368 \cdot 10^{-5}$	$-2.368 \cdot 10^{-5}$	0	$2.994 \cdot 10^{-6}$	$2.994 \cdot 10^{-6}$	0
cpWB	$8.27 \cdot 10^{-5}$	$8.27 \cdot 10^{-5}$	0	$3.857 \cdot 10^{-6}$	$3.857 \cdot 10^{-6}$	0
cp11	$-6.314 \cdot 10^{-5}$	$-6.314 \cdot 10^{-5}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0
cpqi	-0.0001866	-0.0001866	0	$8.218 \cdot 10^{-6}$	$8.218 \cdot 10^{-6}$	0
cpu	$1.482 \cdot 10^{-5}$	$1.482 \cdot 10^{-5}$	0	$1.442 \cdot 10^{-6}$	$1.442 \cdot 10^{-6}$	0
sm	0	0	0	0.0005208	0.0005208	0

1.80 $u\bar{u} \rightarrow u\bar{u}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3p11	0.05747	0.05747	0	0.006441	0.006441	0
c3p12	-0.5139	-0.5139	0	0.03612	0.03612	0
c3pqi	-0.06527	-0.06527	0	0.01481	0.01481	0
c111221	-0.004899	-0.004899	0	$2.263 \cdot 10^{-5}$	$2.263 \cdot 10^{-5}$	0
cpDC	0.000156	0.000156	0	$1.575 \cdot 10^{-5}$	$1.575 \cdot 10^{-5}$	0
cpWB	-1.025	-1.025	0	0.2321	0.2321	0
cpqi	-0.4618	-0.4618	0	0.07122	0.07122	0
cpu	-0.0007864	-0.0007864	0	0.0001333	0.0001333	0
sm	0	0	0	45.27	45.27	0

1.81 $zz \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
c3p11	-8.271	-8.271	0	0.2507	0.2507	0
c3p12	-3.844	-3.844	0	0.1165	0.1165	0
cWWW	0.03131	0.03131	0	15.4	15.4	0
cdp	7.134	7.134	0	0.4473	0.4473	0
c111221	5.073	5.073	0	0.1538	0.1538	0
cpBB	-0.04147	-0.04147	0	0.04883	0.04883	0
cpDC	0.1663	0.1663	0	0.003441	0.003441	0
cpW	-0.389	-0.389	0	1.42	1.42	0
cpWB	0.1846	0.1846	0	0.1787	0.1787	0
sm	0	0	0	30.71	30.71	0

1.82 $zz \rightarrow zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
c3pl1	-0.009841	-0.009841	0	0.0002983	0.0002983	0
c3pl2	-0.009771	-0.009771	0	0.0002962	0.0002962	0
cdp	0.01975	0.01975	0	0.001197	0.001197	0
c111221	0.009876	0.009876	0	0.0002994	0.0002994	0
cpBB	0.001834	0.001834	0	0.07285	0.07285	0
cpDC	0.004941	0.004941	0	$7.489 \cdot 10^{-5}$	$7.489 \cdot 10^{-5}$	0
cpW	0.006009	0.006009	0	0.796	0.796	0
cpWB	0.003298	0.003298	0	0.2692	0.2692	0
sm	0	0	0	0.08102	0.08102	0

2 By parameter point

2.1 c3pQ3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+ \bar{t} b$	$1.472 \cdot 10^{-6}$	$1.472 \cdot 10^{-6}$	0	$3.57 \cdot 10^{-6}$	$3.57 \cdot 10^{-6}$	0
$HH \rightarrow z \bar{b} b$	$2.742 \cdot 10^{-5}$	$2.742 \cdot 10^{-5}$	0	$8.283 \cdot 10^{-5}$	$8.283 \cdot 10^{-5}$	0
$HH \rightarrow z t \bar{t}$	$-9.314 \cdot 10^{-5}$	$-9.314 \cdot 10^{-5}$	0	0.0001005	0.0001005	0
$HW^+ \rightarrow \gamma t \bar{b}$	$9.991 \cdot 10^{-8}$	$9.991 \cdot 10^{-8}$	0	$2.897 \cdot 10^{-7}$	$2.897 \cdot 10^{-7}$	0
$HW^- \rightarrow \bar{t} b$	-1.866	-1.866	0	0.3268	0.3268	0
$H z \rightarrow \bar{b} b$	0.2151	0.2151	0	0.933	0.933	0
$H z \rightarrow t \bar{t}$	-2.07	-2.07	0	1.235	1.235	0
$W^+ W^- \rightarrow H b \bar{b}$	$-7.381 \cdot 10^{-6}$	$-7.381 \cdot 10^{-6}$	0	$2.79 \cdot 10^{-7}$	$2.79 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$7.078 \cdot 10^{-6}$	$7.078 \cdot 10^{-6}$	0	$4.989 \cdot 10^{-6}$	$4.989 \cdot 10^{-6}$	0

$\bar{b}t \rightarrow \bar{d}u$	0.0001069	0.0001069	0	$3.242 \cdot 10^{-6}$	$3.242 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	0.0001159	0.0001159	0	$3.281 \cdot 10^{-6}$	$3.281 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	0.000154	0.000154	0	$5.53 \cdot 10^{-6}$	$5.53 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	-0.04579	-0.04579	0	0.0009527	0.0009527	0
$b\bar{b} \rightarrow d\bar{d}$	$8.904 \cdot 10^{-5}$	$8.904 \cdot 10^{-5}$	0	$3.536 \cdot 10^{-6}$	$3.536 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	0.02812	0.02812	0	0.005983	0.005983	0
$b\bar{b} \rightarrow u\bar{u}$	0.0005326	0.0005326	0	$1.556 \cdot 10^{-5}$	$1.556 \cdot 10^{-5}$	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	$4.882 \cdot 10^{-5}$	$4.882 \cdot 10^{-5}$	0	$1.48 \cdot 10^{-6}$	$1.48 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	0.0002019	0.0002019	0	$9.203 \cdot 10^{-6}$	$9.203 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0002547	0.0002547	0	$5.116 \cdot 10^{-6}$	$5.116 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	0.0006552	0.0006552	0	$1.823 \cdot 10^{-5}$	$1.823 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	0.0001101	0.0001101	0	$5.353 \cdot 10^{-6}$	$5.353 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	0.0006091	0.0006091	0	$2.171 \cdot 10^{-5}$	$2.171 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	-0.08278	-0.08278	0	0.008617	0.008617	0

2.2 c3pl1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow HH$	-0.02677	-0.02677	0	0.0008116	0.0008116	0
$HH \rightarrow HHH$	$-1.108 \cdot 10^{-7}$	$-1.108 \cdot 10^{-7}$	0	$5.039 \cdot 10^{-9}$	$5.039 \cdot 10^{-9}$	0
$HH \rightarrow Ht\bar{t}$	$-2.55 \cdot 10^{-6}$	$-2.55 \cdot 10^{-6}$	0	$1.16 \cdot 10^{-7}$	$1.16 \cdot 10^{-7}$	0
$HH \rightarrow Hzz$	$-1.76 \cdot 10^{-6}$	$-1.76 \cdot 10^{-6}$	0	$8.003 \cdot 10^{-8}$	$8.003 \cdot 10^{-8}$	0
$HH \rightarrow W^+W^-$	-5.312	-5.312	0	0.161	0.161	0
$HH \rightarrow W^+W^-\gamma$	$-1.994 \cdot 10^{-7}$	$-1.994 \cdot 10^{-7}$	0	$9.065 \cdot 10^{-9}$	$9.065 \cdot 10^{-9}$	0
$HH \rightarrow W^+\bar{t}b$	$-3.055 \cdot 10^{-5}$	$-3.055 \cdot 10^{-5}$	0	$1.389 \cdot 10^{-6}$	$1.389 \cdot 10^{-6}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$3.648 \cdot 10^{-6}$	$3.648 \cdot 10^{-6}$	0	$9.806 \cdot 10^{-6}$	$9.806 \cdot 10^{-6}$	0
$HH \rightarrow W^-u\bar{d}$	$-5.549 \cdot 10^{-7}$	$-5.549 \cdot 10^{-7}$	0	$2.523 \cdot 10^{-8}$	$2.523 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	$-1.22 \cdot 10^{-7}$	$-1.22 \cdot 10^{-7}$	0	$5.547 \cdot 10^{-9}$	$5.547 \cdot 10^{-9}$	0

$HH \rightarrow z\nu_e\bar{\nu}_e$	$5.553 \cdot 10^{-7}$	$5.553 \cdot 10^{-7}$	0	$5.273 \cdot 10^{-7}$	$5.273 \cdot 10^{-7}$	0
$HH \rightarrow z c\bar{c}$	$-4.843 \cdot 10^{-6}$	$-4.843 \cdot 10^{-6}$	0	$2.202 \cdot 10^{-7}$	$2.202 \cdot 10^{-7}$	0
$HH \rightarrow z d\bar{d}$	$-5.871 \cdot 10^{-8}$	$-5.871 \cdot 10^{-8}$	0	$2.669 \cdot 10^{-9}$	$2.669 \cdot 10^{-9}$	0
$HH \rightarrow z e^+ e^-$	$6.585 \cdot 10^{-7}$	$6.585 \cdot 10^{-7}$	0	$2.302 \cdot 10^{-6}$	$2.302 \cdot 10^{-6}$	0
$HH \rightarrow z t\bar{t}$	$-1.138 \cdot 10^{-6}$	$-1.138 \cdot 10^{-6}$	0	$5.173 \cdot 10^{-8}$	$5.173 \cdot 10^{-8}$	0
$HH \rightarrow z z$	-0.06458	-0.06458	0	0.001958	0.001958	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.583 \cdot 10^{-8}$	$-1.583 \cdot 10^{-8}$	0	$7.197 \cdot 10^{-10}$	$7.197 \cdot 10^{-10}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-2.064 \cdot 10^{-7}$	$-2.064 \cdot 10^{-7}$	0	$9.386 \cdot 10^{-9}$	$9.386 \cdot 10^{-9}$	0
$HW^+ \rightarrow u\bar{d}$	-0.001777	-0.001777	0	$5.387 \cdot 10^{-5}$	$5.387 \cdot 10^{-5}$	0
$HW^- \rightarrow \bar{t}b$	-0.4055	-0.4055	0	0.01229	0.01229	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$1.888 \cdot 10^{-6}$	$1.888 \cdot 10^{-6}$	0	$5.091 \cdot 10^{-6}$	$5.091 \cdot 10^{-6}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	-0.0003477	-0.0003477	0	$1.054 \cdot 10^{-5}$	$1.054 \cdot 10^{-5}$	0
$H\gamma \rightarrow t\bar{t}$	-0.1348	-0.1348	0	0.004087	0.004087	0
$H z \rightarrow \mu^+ \mu^-$	$-5.143 \cdot 10^{-5}$	$-5.143 \cdot 10^{-5}$	0	$1.559 \cdot 10^{-6}$	$1.559 \cdot 10^{-6}$	0
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	-0.0001144	-0.0001144	0	$3.468 \cdot 10^{-6}$	$3.468 \cdot 10^{-6}$	0
$H z \rightarrow b\bar{b}$	-0.001445	-0.001445	0	$4.38 \cdot 10^{-5}$	$4.38 \cdot 10^{-5}$	0
$H z \rightarrow s\bar{s}$	-0.0007038	-0.0007038	0	$2.134 \cdot 10^{-5}$	$2.134 \cdot 10^{-5}$	0
$H z \rightarrow t\bar{t}$	-0.7388	-0.7388	0	0.02239	0.02239	0
$H z \rightarrow u\bar{u}$	-0.0006678	-0.0006678	0	$2.024 \cdot 10^{-5}$	$2.024 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow H b\bar{b}$	$-9.63 \cdot 10^{-6}$	$-9.63 \cdot 10^{-6}$	0	$4.379 \cdot 10^{-7}$	$4.379 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H c\bar{c}$	$-7.934 \cdot 10^{-8}$	$-7.934 \cdot 10^{-8}$	0	$3.607 \cdot 10^{-9}$	$3.607 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow H d\bar{d}$	$-3.622 \cdot 10^{-7}$	$-3.622 \cdot 10^{-7}$	0	$1.647 \cdot 10^{-8}$	$1.647 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow H t\bar{t}$	$-9.719 \cdot 10^{-7}$	$-9.719 \cdot 10^{-7}$	0	$4.419 \cdot 10^{-8}$	$4.419 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow W^+ W^-$	-0.8869	-0.8869	0	0.02688	0.02688	0
$W^+ W^- \rightarrow \gamma\gamma$	-0.009592	-0.009592	0	0.0002908	0.0002908	0
$W^+ W^- \rightarrow \gamma\gamma\gamma$	$-1.862 \cdot 10^{-7}$	$-1.862 \cdot 10^{-7}$	0	$8.467 \cdot 10^{-9}$	$8.467 \cdot 10^{-9}$	0
$\bar{b}t \rightarrow \bar{d}u$	-0.0009499	-0.0009499	0	$2.879 \cdot 10^{-5}$	$2.879 \cdot 10^{-5}$	0
$\gamma W^+ \rightarrow z W^+$	-0.3354	-0.3354	0	0.01017	0.01017	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	-0.001704	-0.001704	0	$5.166 \cdot 10^{-5}$	$5.166 \cdot 10^{-5}$	0

$\nu_\tau \bar{\nu}_\tau \rightarrow \nu_\tau \bar{\nu}_\tau$	-1.873	-1.873	0	0.05677	0.05677	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	$-6.306 \cdot 10^{-21}$	0	1	$4.702 \cdot 10^{-38}$	0	1
$b\bar{b} \rightarrow \gamma\gamma$	$-1.267 \cdot 10^{-5}$	$-1.267 \cdot 10^{-5}$	0	$3.839 \cdot 10^{-7}$	$3.839 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	-0.0001515	-0.0001515	0	$4.593 \cdot 10^{-6}$	$4.593 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	$2.839 \cdot 10^{-21}$	$7.413 \cdot 10^{-22}$	0.7388	$1.182 \cdot 10^{-38}$	$1.959 \cdot 10^{-39}$	0.8343
$b\bar{b} \rightarrow b\bar{b}$	0.0101	0.0101	0	$5.19 \cdot 10^{-5}$	$5.19 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow d\bar{d}$	$-2.211 \cdot 10^{-5}$	$-2.211 \cdot 10^{-5}$	0	$6.701 \cdot 10^{-7}$	$6.701 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.006495	-0.006495	0	0.001164	0.001164	0
$b\bar{b} \rightarrow u\bar{u}$	-0.0005097	-0.0005097	0	$1.545 \cdot 10^{-5}$	$1.545 \cdot 10^{-5}$	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$1.152 \cdot 10^{-19}$	$1.004 \cdot 10^{-19}$	0.1279	$3.251 \cdot 10^{-35}$	$3.209 \cdot 10^{-35}$	0.01286
$c\bar{c} \rightarrow \mu^+ \mu^-$	-0.0006017	-0.0006017	0	$1.824 \cdot 10^{-5}$	$1.824 \cdot 10^{-5}$	0
$c\bar{s} \rightarrow \tau^+ \nu_\tau$	-0.0003257	-0.0003257	0	$9.873 \cdot 10^{-6}$	$9.873 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow c\bar{c}$	-0.0001945	-0.0001945	0	$5.897 \cdot 10^{-6}$	$5.897 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow e^+ e^-$	$6.117 \cdot 10^{-6}$	$6.117 \cdot 10^{-6}$	0	$2.161 \cdot 10^{-6}$	$2.161 \cdot 10^{-6}$	0
$e^+ \nu_\mu \rightarrow e^+ \nu_\mu$	-0.001921	-0.001921	0	0.003919	0.003919	0
$e^+ \nu_e \rightarrow \mu^+ \nu_\mu$	$1.552 \cdot 10^{-19}$	$-3.249 \cdot 10^{-19}$	3.093	$7.523 \cdot 10^{-37}$	$9.404 \cdot 10^{-37}$	-0.25
$e^+ \nu_e \rightarrow e^+ \nu_e$	0.01335	0.01335	0	0.0005809	0.0005809	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	-0.08616	-0.08616	0	0.003058	0.003058	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	-0.001184	-0.001184	0	$3.792 \cdot 10^{-5}$	$3.792 \cdot 10^{-5}$	0
$e^+ e^- \rightarrow e^+ e^-$	-0.004743	-0.004743	0	0.0002857	0.0002857	0
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	-0.000248	-0.000248	0	$7.519 \cdot 10^{-6}$	$7.519 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.003947	0.003947	0	$1.663 \cdot 10^{-5}$	$1.663 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.0001091	-0.0001091	0	$3.307 \cdot 10^{-6}$	$3.307 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.0002868	-0.0002868	0	$8.693 \cdot 10^{-6}$	$8.693 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.0003644	-0.0003644	0	$1.105 \cdot 10^{-5}$	$1.105 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	$-2.361 \cdot 10^{-5}$	$-2.361 \cdot 10^{-5}$	0	$7.158 \cdot 10^{-7}$	$7.158 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow s\bar{s}$	-0.0005031	-0.0005031	0	$1.525 \cdot 10^{-5}$	$1.525 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.8079	0.8079	0	0.01391	0.01391	0
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	$-1.114 \cdot 10^{-5}$	$-1.114 \cdot 10^{-5}$	0	$3.378 \cdot 10^{-7}$	$3.378 \cdot 10^{-7}$	0

$u\bar{d} \rightarrow c\bar{s}$	-0.001029	-0.001029	0	$3.12 \cdot 10^{-5}$	$3.12 \cdot 10^{-5}$	0
$u\bar{d} \rightarrow u\bar{d}$	0.0005765	0.0005765	0	$1.716 \cdot 10^{-5}$	$1.716 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e \bar{\nu}_e$	$2.33 \cdot 10^{-21}$	$8.575 \cdot 10^{-21}$	-2.68	$6.208 \cdot 10^{-39}$	$1.665 \cdot 10^{-38}$	-1.683
$u\bar{u} \rightarrow u\bar{u}$	0.05747	0.05747	0	0.006441	0.006441	0
$zz \rightarrow W^+W^-$	-8.271	-8.271	0	0.2507	0.2507	0
$zz \rightarrow zz$	-0.009841	-0.009841	0	0.0002983	0.0002983	0

2.3 c3pl2

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow HH$	-0.0268	-0.0268	0	0.0008125	0.0008125	0
$HH \rightarrow HHH$	$-1.139 \cdot 10^{-7}$	$-1.139 \cdot 10^{-7}$	0	$5.179 \cdot 10^{-9}$	$5.179 \cdot 10^{-9}$	0
$HH \rightarrow Ht\bar{t}$	$-2.728 \cdot 10^{-6}$	$-2.728 \cdot 10^{-6}$	0	$1.24 \cdot 10^{-7}$	$1.24 \cdot 10^{-7}$	0
$HH \rightarrow Hzz$	$-1.324 \cdot 10^{-6}$	$-1.324 \cdot 10^{-6}$	0	$6.022 \cdot 10^{-8}$	$6.022 \cdot 10^{-8}$	0
$HH \rightarrow W^+W^-$	-0.01356	-0.01356	0	0.000411	0.000411	0
$HH \rightarrow W^+W^-\gamma$	$-1.84 \cdot 10^{-7}$	$-1.84 \cdot 10^{-7}$	0	$8.365 \cdot 10^{-9}$	$8.365 \cdot 10^{-9}$	0
$HH \rightarrow W^+\bar{t}b$	$-1.43 \cdot 10^{-6}$	$-1.43 \cdot 10^{-6}$	0	$6.504 \cdot 10^{-8}$	$6.504 \cdot 10^{-8}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$-5.793 \cdot 10^{-7}$	$-5.793 \cdot 10^{-7}$	0	$2.634 \cdot 10^{-8}$	$2.634 \cdot 10^{-8}$	0
$HH \rightarrow W^-u\bar{d}$	$-2.297 \cdot 10^{-7}$	$-2.297 \cdot 10^{-7}$	0	$1.045 \cdot 10^{-8}$	$1.045 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	$-7.284 \cdot 10^{-8}$	$-7.284 \cdot 10^{-8}$	0	$3.312 \cdot 10^{-9}$	$3.312 \cdot 10^{-9}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$-5.907 \cdot 10^{-8}$	$-5.907 \cdot 10^{-8}$	0	$2.686 \cdot 10^{-9}$	$2.686 \cdot 10^{-9}$	0
$HH \rightarrow z c\bar{c}$	-0.0003445	-0.0003445	0	$1.566 \cdot 10^{-5}$	$1.566 \cdot 10^{-5}$	0
$HH \rightarrow z d\bar{d}$	$-1.639 \cdot 10^{-8}$	$-1.639 \cdot 10^{-8}$	0	$7.455 \cdot 10^{-10}$	$7.455 \cdot 10^{-10}$	0
$HH \rightarrow ze^+e^-$	$-2.751 \cdot 10^{-8}$	$-2.751 \cdot 10^{-8}$	0	$1.251 \cdot 10^{-9}$	$1.251 \cdot 10^{-9}$	0
$HH \rightarrow zt\bar{t}$	$-2.159 \cdot 10^{-5}$	$-2.159 \cdot 10^{-5}$	0	$9.816 \cdot 10^{-7}$	$9.816 \cdot 10^{-7}$	0
$HH \rightarrow zz$	-0.009245	-0.009245	0	0.0002802	0.0002802	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-6.335 \cdot 10^{-7}$	$-6.335 \cdot 10^{-7}$	0	$2.88 \cdot 10^{-8}$	$2.88 \cdot 10^{-8}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-1.143 \cdot 10^{-8}$	$-1.143 \cdot 10^{-8}$	0	$5.199 \cdot 10^{-10}$	$5.199 \cdot 10^{-10}$	0

$HW^+ \rightarrow u\bar{d}$	-0.001862	-0.001862	0	$5.643 \cdot 10^{-5}$	$5.643 \cdot 10^{-5}$	0
$HW^- \rightarrow t\bar{b}$	-0.3917	-0.3917	0	0.01187	0.01187	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-8.19 \cdot 10^{-10}$	$-8.19 \cdot 10^{-10}$	0	$3.724 \cdot 10^{-11}$	$3.724 \cdot 10^{-11}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	0.1337	0.1337	0	0.6319	0.6319	0
$H\gamma \rightarrow t\bar{t}$	-0.04907	-0.04907	0	0.001487	0.001487	0
$H\gamma \rightarrow \mu^+ \mu^-$	0.04985	0.04985	0	0.3409	0.3409	0
$H\gamma \rightarrow \nu_\tau \bar{\nu}_\tau$	-0.0005447	-0.0005447	0	$1.651 \cdot 10^{-5}$	$1.651 \cdot 10^{-5}$	0
$H\gamma \rightarrow b\bar{b}$	-0.001155	-0.001155	0	$3.5 \cdot 10^{-5}$	$3.5 \cdot 10^{-5}$	0
$H\gamma \rightarrow s\bar{s}$	-0.001018	-0.001018	0	$3.085 \cdot 10^{-5}$	$3.085 \cdot 10^{-5}$	0
$H\gamma \rightarrow t\bar{t}$	-0.233	-0.233	0	0.007062	0.007062	0
$H\gamma \rightarrow u\bar{u}$	-0.0003929	-0.0003929	0	$1.191 \cdot 10^{-5}$	$1.191 \cdot 10^{-5}$	0
$W^+W^- \rightarrow Hb\bar{b}$	$-1.645 \cdot 10^{-6}$	$-1.645 \cdot 10^{-6}$	0	$7.482 \cdot 10^{-8}$	$7.482 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$-4.595 \cdot 10^{-7}$	$-4.595 \cdot 10^{-7}$	0	$2.089 \cdot 10^{-8}$	$2.089 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-1.218 \cdot 10^{-7}$	$-1.218 \cdot 10^{-7}$	0	$5.537 \cdot 10^{-9}$	$5.537 \cdot 10^{-9}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-2.9 \cdot 10^{-6}$	$-2.9 \cdot 10^{-6}$	0	$1.318 \cdot 10^{-7}$	$1.318 \cdot 10^{-7}$	0
$W^+W^- \rightarrow W^+W^-$	-1.969	-1.969	0	0.05969	0.05969	0
$W^+W^- \rightarrow \gamma\gamma$	-0.009416	-0.009416	0	0.0002854	0.0002854	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-2.028 \cdot 10^{-6}$	$-2.028 \cdot 10^{-6}$	0	$9.22 \cdot 10^{-8}$	$9.22 \cdot 10^{-8}$	0
$\bar{b}t \rightarrow \bar{d}u$	$-8.936 \cdot 10^{-5}$	$-8.936 \cdot 10^{-5}$	0	$2.709 \cdot 10^{-6}$	$2.709 \cdot 10^{-6}$	0
$\gamma W^+ \rightarrow zW^+$	-0.03031	-0.03031	0	0.0009187	0.0009187	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	-0.002642	-0.002642	0	$6.54 \cdot 10^{-5}$	$6.54 \cdot 10^{-5}$	0
$\nu_\tau \bar{\nu}_\tau \rightarrow \nu_\tau \bar{\nu}_\tau$	-0.008738	-0.008738	0	0.0002649	0.0002649	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	$2.814 \cdot 10^{-21}$	$1.622 \cdot 10^{-21}$	0.4235	$9.011 \cdot 10^{-39}$	$2.985 \cdot 10^{-39}$	0.6688
$b\bar{b} \rightarrow \gamma\gamma$	$-1.221 \cdot 10^{-5}$	$-1.221 \cdot 10^{-5}$	0	$3.7 \cdot 10^{-7}$	$3.7 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	$1.447 \cdot 10^{-6}$	$1.447 \cdot 10^{-6}$	0	$1.739 \cdot 10^{-6}$	$1.739 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	-0.0004156	-0.0004156	0	$1.26 \cdot 10^{-5}$	$1.26 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow b\bar{b}$	0.03498	0.03498	0	0.000396	0.000396	0
$b\bar{b} \rightarrow d\bar{d}$	-0.000258	-0.000258	0	$7.821 \cdot 10^{-6}$	$7.821 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.01443	-0.01443	0	0.001514	0.001514	0

$b\bar{b} \rightarrow u\bar{u}$	-0.0005938	-0.0005938	0	$1.8 \cdot 10^{-5}$	$1.8 \cdot 10^{-5}$	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	-0.0002712	-0.0002712	0	$8.22 \cdot 10^{-6}$	$8.22 \cdot 10^{-6}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0001893	-0.0001893	0	$5.224 \cdot 10^{-6}$	$5.224 \cdot 10^{-6}$	0
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$-4.484 \cdot 10^{-5}$	$-4.484 \cdot 10^{-5}$	0	$1.359 \cdot 10^{-6}$	$1.359 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow c\bar{c}$	-0.0004618	-0.0004618	0	$1.4 \cdot 10^{-5}$	$1.4 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow e^+e^-$	-0.0002528	-0.0002528	0	$7.664 \cdot 10^{-6}$	$7.664 \cdot 10^{-6}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	$1.326 \cdot 10^{-18}$	$1.162 \cdot 10^{-18}$	0.1234	$1.547 \cdot 10^{-35}$	$3.033 \cdot 10^{-36}$	0.804
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	$1.442 \cdot 10^{-18}$	$7.212 \cdot 10^{-19}$	0.5	$1.279 \cdot 10^{-35}$	$3.197 \cdot 10^{-36}$	0.75
$e^+\nu_e \rightarrow e^+\nu_e$	-0.0005101	-0.0005101	0	$1.546 \cdot 10^{-5}$	$1.546 \cdot 10^{-5}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.002463	-0.002463	0	$7.467 \cdot 10^{-5}$	$7.467 \cdot 10^{-5}$	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.001003	-0.001003	0	$4.329 \cdot 10^{-5}$	$4.329 \cdot 10^{-5}$	0
$e^+e^- \rightarrow e^+e^-$	-0.06609	-0.06609	0	0.002003	0.002003	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.0002554	-0.0002554	0	$7.741 \cdot 10^{-6}$	$7.741 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.01108	0.01108	0	$5.88 \cdot 10^{-5}$	$5.88 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$1.689 \cdot 10^{-20}$	$-1.207 \cdot 10^{-20}$	1.715	$5.447 \cdot 10^{-36}$	$8 \cdot 10^{-36}$	-0.4688
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.0003421	-0.0003421	0	$1.037 \cdot 10^{-5}$	$1.037 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.0006697	-0.0006697	0	$2.03 \cdot 10^{-5}$	$2.03 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	-0.0003793	-0.0003793	0	$1.15 \cdot 10^{-5}$	$1.15 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	-0.0001996	-0.0001996	0	$6.05 \cdot 10^{-6}$	$6.05 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.7078	0.7078	0	0.0108	0.0108	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$4.326 \cdot 10^{-20}$	0	1	$1.254 \cdot 10^{-37}$	0	1
$u\bar{d} \rightarrow c\bar{s}$	-0.004148	-0.004148	0	0.0001257	0.0001257	0
$u\bar{d} \rightarrow u\bar{d}$	0.001003	0.001003	0	$2.718 \cdot 10^{-5}$	$2.718 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	-0.000141	-0.000141	0	$4.273 \cdot 10^{-6}$	$4.273 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow u\bar{u}$	-0.5139	-0.5139	0	0.03612	0.03612	0
$zz \rightarrow W^+W^-$	-3.844	-3.844	0	0.1165	0.1165	0
$zz \rightarrow zz$	-0.009771	-0.009771	0	0.0002962	0.0002962	0

2.4 c3pl3

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	0.01376	0.01376	0	0.05015	0.05015	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	0.0003624	0.0003624	0	$9.64 \cdot 10^{-6}$	$9.64 \cdot 10^{-6}$	0
$\nu_\tau \bar{\nu}_\tau \rightarrow \nu_\tau \bar{\nu}_\tau$	3.745	3.745	0	0.2271	0.2271	0
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	0.0003257	0.0003257	0	$9.873 \cdot 10^{-6}$	$9.873 \cdot 10^{-6}$	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	0.006176	0.006176	0	0.0006334	0.0006334	0
$s \bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	0.000248	0.000248	0	$7.519 \cdot 10^{-6}$	$7.519 \cdot 10^{-6}$	0
$t \bar{t} \rightarrow \tau^+ \tau^-$	0.0001137	0.0001137	0	$3.525 \cdot 10^{-6}$	$3.525 \cdot 10^{-6}$	0

2.5 c3pqi

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^- u \bar{d}$	$1.427 \cdot 10^{-6}$	$1.427 \cdot 10^{-6}$	0	$1.67 \cdot 10^{-7}$	$1.67 \cdot 10^{-7}$	0
$HH \rightarrow z c \bar{c}$	$5.887 \cdot 10^{-6}$	$5.887 \cdot 10^{-6}$	0	$3.923 \cdot 10^{-7}$	$3.923 \cdot 10^{-7}$	0
$HH \rightarrow z d \bar{d}$	$5.852 \cdot 10^{-7}$	$5.852 \cdot 10^{-7}$	0	$2.743 \cdot 10^{-7}$	$2.743 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u \bar{d}$	$3.907 \cdot 10^{-6}$	$3.907 \cdot 10^{-6}$	0	$3.4 \cdot 10^{-6}$	$3.4 \cdot 10^{-6}$	0
$HW^+ \rightarrow u \bar{d}$	0.2789	0.2789	0	1.327	1.327	0
$H z \rightarrow s \bar{s}$	0.09697	0.09697	0	0.4187	0.4187	0
$H z \rightarrow u \bar{u}$	0.09683	0.09683	0	0.5127	0.5127	0
$W^+ W^- \rightarrow H c \bar{c}$	$1.837 \cdot 10^{-7}$	$1.837 \cdot 10^{-7}$	0	$1.041 \cdot 10^{-6}$	$1.041 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$-3.742 \cdot 10^{-6}$	$-3.742 \cdot 10^{-6}$	0	$6.992 \cdot 10^{-6}$	$6.992 \cdot 10^{-6}$	0
$\bar{b} t \rightarrow \bar{d} u$	0.0009499	0.0009499	0	$2.879 \cdot 10^{-5}$	$2.879 \cdot 10^{-5}$	0
$b \bar{b} \rightarrow d \bar{d}$	$2.78 \cdot 10^{-5}$	$2.78 \cdot 10^{-5}$	0	$1.807 \cdot 10^{-6}$	$1.807 \cdot 10^{-6}$	0
$b \bar{b} \rightarrow u \bar{u}$	0.0005322	0.0005322	0	$1.879 \cdot 10^{-5}$	$1.879 \cdot 10^{-5}$	0
$c \bar{c} \rightarrow \mu^+ \mu^-$	0.0002449	0.0002449	0	$4.856 \cdot 10^{-6}$	$4.856 \cdot 10^{-6}$	0
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	0.0003257	0.0003257	0	$9.873 \cdot 10^{-6}$	$9.873 \cdot 10^{-6}$	0
$d \bar{d} \rightarrow c \bar{c}$	0.000373	0.000373	0	$2.543 \cdot 10^{-5}$	$2.543 \cdot 10^{-5}$	0

$d\bar{d} \rightarrow e^+e^-$	0.0002116	0.0002116	0	$5.048 \cdot 10^{-6}$	$5.048 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	0.0002914	0.0002914	0	$1.046 \cdot 10^{-5}$	$1.046 \cdot 10^{-5}$	0
$s\bar{s} \rightarrow s\bar{s}$	-0.007285	-0.007285	0	$7.918 \cdot 10^{-5}$	$7.918 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	0.0001871	0.0001871	0	$7.59 \cdot 10^{-6}$	$7.59 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow d\bar{d}$	$5.61 \cdot 10^{-5}$	$5.61 \cdot 10^{-5}$	0	$5.937 \cdot 10^{-6}$	$5.937 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	0.0004306	0.0004306	0	$1.268 \cdot 10^{-5}$	$1.268 \cdot 10^{-5}$	0
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	$1.114 \cdot 10^{-5}$	$1.114 \cdot 10^{-5}$	0	$3.378 \cdot 10^{-7}$	$3.378 \cdot 10^{-7}$	0
$u\bar{d} \rightarrow c\bar{s}$	0.002058	0.002058	0	0.0001248	0.0001248	0
$u\bar{d} \rightarrow u\bar{d}$	-0.001171	-0.001171	0	$7.666 \cdot 10^{-5}$	$7.666 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e \bar{\nu}_e$	0.0002338	0.0002338	0	$1.029 \cdot 10^{-5}$	$1.029 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow u\bar{u}$	-0.06527	-0.06527	0	0.01481	0.01481	0

2.6 cG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \rightarrow gg$	$2.136 \cdot 10^{-10}$	$2.136 \cdot 10^{-10}$	$-3.315 \cdot 10^{-5}$	140.9	140.9	$4.968 \cdot 10^{-7}$
$gg \rightarrow ggg$	-0.0005488	-0.0005488	$2.551 \cdot 10^{-7}$	0.02379	0.02379	$5.045 \cdot 10^{-7}$
$gg \rightarrow t\bar{t}$	1.298	1.298	$2.312 \cdot 10^{-7}$	0.6809	0.6809	$4.994 \cdot 10^{-7}$
$gg \rightarrow u\bar{u}$	$9.442 \cdot 10^{-12}$	$9.442 \cdot 10^{-12}$	$2.542 \cdot 10^{-7}$	0.9829	0.9829	$4.985 \cdot 10^{-7}$

2.7 cQQ1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-2.686	-2.686	0	1.499	1.499	0
$b\bar{b} \rightarrow t\bar{t}$	-3.44	-3.44	0	0.8759	0.8759	0
$t\bar{t} \rightarrow t\bar{t}$	0.005075	0.005075	0	0.04215	0.04215	0

2.8 cQQ8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-5.345	-5.345	$3.742 \cdot 10^{-8}$	0.2522	0.2522	$3.966 \cdot 10^{-8}$
$b\bar{b} \rightarrow t\bar{t}$	-0.2974	-0.2974	$3.362 \cdot 10^{-8}$	0.1413	0.1413	0
$t\bar{t} \rightarrow t\bar{t}$	-16.06	-16.06	0	0.9341	0.9341	$4.282 \cdot 10^{-8}$

2.9 cQd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	0.08631	0.08631	0	2.178	2.178	0
$b\bar{b} \rightarrow d\bar{d}$	-0.008767	-0.008767	0	0.6026	0.6026	0
$b\bar{b} \rightarrow t\bar{t}$	-0.004256	-0.004256	0	0.1834	0.1834	0
$t\bar{t} \rightarrow d\bar{d}$	-0.009189	-0.009189	0	0.5357	0.5357	0
$t\bar{t} \rightarrow s\bar{s}$	-0.003658	-0.003658	0	0.1406	0.1406	0

2.10 cQd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-17.02	-17.02	0	0.447	0.447	0
$b\bar{b} \rightarrow d\bar{d}$	0.2991	0.2991	0	0.1009	0.1009	0
$b\bar{b} \rightarrow t\bar{t}$	0.04647	0.04647	0	0.009108	0.009108	0
$t\bar{t} \rightarrow d\bar{d}$	0.189	0.189	0	0.05719	0.05719	0
$t\bar{t} \rightarrow s\bar{s}$	0.5898	0.5898	0	0.1925	0.1925	0

2.11 cQl31

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0.04046	0.04046	0	0.1912	0.1912	0

2.12 cQl32

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \mu^+\mu^-$	0.1033	0.1033	0	1.088	1.088	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	0.00133	0.00133	0	0.03182	0.03182	0

2.13 cQlM1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	-0.03784	-0.03784	0	0.1621	0.1621	0

2.14 cQlM2

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \mu^+\mu^-$	0.03459	0.03459	0	0.1822	0.1822	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	0.0002635	0.0002635	0	0.005847	0.005847	0

2.15 cQlM3

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.02933	-0.02933	0	0.1226	0.1226	0

2.16 cQmu

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \mu^+ \mu^-$	-0.002633	-0.002633	0	0.06033	0.06033	0

2.17 cQq11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow d\bar{d}$	0.05476	0.05476	0	0.5002	0.5002	0
$b\bar{b} \rightarrow u\bar{u}$	-0.1709	-0.1709	0	1.672	1.672	0
$t\bar{t} \rightarrow c\bar{c}$	0.06631	0.06631	0	0.592	0.592	0
$t\bar{t} \rightarrow d\bar{d}$	-0.006467	-0.006467	0	0.08011	0.08011	0
$t\bar{t} \rightarrow s\bar{s}$	-0.2112	-0.2112	0	2.083	2.083	0

2.18 cQq13

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0.2963	0.2963	0	2.801	2.801	0
$b\bar{b} \rightarrow d\bar{d}$	0.003388	0.003388	0	0.03094	0.03094	0
$b\bar{b} \rightarrow u\bar{u}$	0.1512	0.1512	0	1.479	1.479	0
$t\bar{t} \rightarrow c\bar{c}$	0.08	0.08	0	0.7173	0.7173	0

$t\bar{t} \rightarrow d\bar{d}$	-0.001306	-0.001306	0	0.004062	0.004062	0
$t\bar{t} \rightarrow s\bar{s}$	0.15	0.15	0	1.485	1.485	0

2.19 cQq81

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow d\bar{d}$	0.1854	0.1854	$-5.392 \cdot 10^{-8}$	0.1252	0.1252	0
$b\bar{b} \rightarrow u\bar{u}$	0.6575	0.6575	$1.521 \cdot 10^{-8}$	0.4438	0.4438	0
$t\bar{t} \rightarrow c\bar{c}$	0.6324	0.6324	$-1.581 \cdot 10^{-8}$	0.4005	0.4005	0
$t\bar{t} \rightarrow d\bar{d}$	0.6162	0.6162	$1.623 \cdot 10^{-8}$	0.3896	0.3896	0
$t\bar{t} \rightarrow s\bar{s}$	0.151	0.151	0	0.07563	0.07563	0

2.20 cQq83

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-1.112 \cdot 10^{-9}$	$4.672 \cdot 10^{-19}$	1	0.07007	0.07007	0
$b\bar{b} \rightarrow d\bar{d}$	0.06592	0.06592	$-1.517 \cdot 10^{-8}$	0.04449	0.04449	0
$b\bar{b} \rightarrow u\bar{u}$	-0.585	-0.585	$1.709 \cdot 10^{-8}$	0.3949	0.3949	0
$t\bar{t} \rightarrow c\bar{c}$	0.7346	0.7346	$-1.361 \cdot 10^{-8}$	0.4695	0.4695	0
$t\bar{t} \rightarrow d\bar{d}$	-0.1556	-0.1556	$6.425 \cdot 10^{-8}$	0.07875	0.07875	0
$t\bar{t} \rightarrow s\bar{s}$	-0.6032	-0.6032	$1.658 \cdot 10^{-8}$	0.3808	0.3808	0

2.21 cQt1

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

$b\bar{b} \rightarrow t\bar{t}$	-0.2593	-0.2593	0	0.6306	0.6306	0
$t\bar{t} \rightarrow t\bar{t}$	-0.1994	-0.1994	0	11.84	11.84	0

2.22 cQt8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	-0.08232	-0.08232	0	0.02061	0.02061	0
$t\bar{t} \rightarrow t\bar{t}$	-3.949	-3.949	0	1.896	1.896	0

2.23 cQta

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.002391	-0.002391	0	0.01671	0.01671	0

2.24 cQu1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	0.003236	0.003236	0	0.1112	0.1112	0
$t\bar{t} \rightarrow c\bar{c}$	0.005945	0.005945	0	0.09168	0.09168	0

2.25 cQu8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	0.1012	0.1012	0	0.03414	0.03414	0

$t\bar{t} \rightarrow c\bar{c}$	0.2614	0.2614	0	0.08164	0.08164	0
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2.26 cWWW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+W^-\gamma$	$-3.632 \cdot 10^{-6}$	$-3.632 \cdot 10^{-6}$	0	$8.123 \cdot 10^{-7}$	$8.123 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-2.554 \cdot 10^{-7}$	$-2.554 \cdot 10^{-7}$	0	$4.808 \cdot 10^{-7}$	$4.808 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-3.333 \cdot 10^{-8}$	$-3.333 \cdot 10^{-8}$	0	$4.761 \cdot 10^{-8}$	$4.761 \cdot 10^{-8}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$-1.401 \cdot 10^{-8}$	$-1.401 \cdot 10^{-8}$	0	$2.653 \cdot 10^{-8}$	$2.653 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hb\bar{b}$	$1.998 \cdot 10^{-5}$	$1.998 \cdot 10^{-5}$	0	$8.345 \cdot 10^{-5}$	$8.345 \cdot 10^{-5}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$4.55 \cdot 10^{-7}$	$4.55 \cdot 10^{-7}$	0	$6.245 \cdot 10^{-7}$	$6.245 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$2.413 \cdot 10^{-7}$	$2.413 \cdot 10^{-7}$	0	$9.661 \cdot 10^{-7}$	$9.661 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$5.573 \cdot 10^{-7}$	$5.573 \cdot 10^{-7}$	0	$6.135 \cdot 10^{-6}$	$6.135 \cdot 10^{-6}$	0
$W^+W^- \rightarrow W^+W^-$	0.07829	0.07829	0	19.68	19.68	0
$W^+W^- \rightarrow \gamma\gamma$	-0.009895	-0.009895	0	0.5739	0.5739	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$3.797 \cdot 10^{-7}$	$3.797 \cdot 10^{-7}$	0	$1.331 \cdot 10^{-6}$	$1.331 \cdot 10^{-6}$	0
$\gamma W^+ \rightarrow zW^+$	0.005193	0.005193	0	3.008	3.008	0
$zz \rightarrow W^+W^-$	0.03131	0.03131	0	15.4	15.4	0

2.27 cdp

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow HH$	0.4503	0.4503	0	0.2352	0.2352	0
$HH \rightarrow HHH$	$-3.982 \cdot 10^{-6}$	$-3.982 \cdot 10^{-6}$	0	$2.755 \cdot 10^{-6}$	$2.755 \cdot 10^{-6}$	0
$HH \rightarrow Ht\bar{t}$	$-1.939 \cdot 10^{-5}$	$-1.939 \cdot 10^{-5}$	0	$2.411 \cdot 10^{-5}$	$2.411 \cdot 10^{-5}$	0
$HH \rightarrow Hzz$	$-1.166 \cdot 10^{-5}$	$-1.166 \cdot 10^{-5}$	0	$2.245 \cdot 10^{-5}$	$2.245 \cdot 10^{-5}$	0
$HH \rightarrow W^+W^-$	0.565	0.565	0	4.09	4.09	0

$HH \rightarrow W^+W^-\gamma$	$1.198 \cdot 10^{-6}$	$1.198 \cdot 10^{-6}$	0	$1.913 \cdot 10^{-6}$	$1.913 \cdot 10^{-6}$	0
$HH \rightarrow W^+t\bar{b}$	$2.306 \cdot 10^{-6}$	$2.306 \cdot 10^{-6}$	0	$2.657 \cdot 10^{-5}$	$2.657 \cdot 10^{-5}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$1.636 \cdot 10^{-8}$	$1.636 \cdot 10^{-8}$	0	$5.136 \cdot 10^{-9}$	$5.136 \cdot 10^{-9}$	0
$HH \rightarrow W^-u\bar{d}$	$1.891 \cdot 10^{-7}$	$1.891 \cdot 10^{-7}$	0	$1.57 \cdot 10^{-8}$	$1.57 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	$1.458 \cdot 10^{-7}$	$1.458 \cdot 10^{-7}$	0	$8.83 \cdot 10^{-9}$	$8.83 \cdot 10^{-9}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$2.03 \cdot 10^{-8}$	$2.03 \cdot 10^{-8}$	0	$9.327 \cdot 10^{-9}$	$9.327 \cdot 10^{-9}$	0
$HH \rightarrow z c\bar{c}$	$1.17 \cdot 10^{-7}$	$1.17 \cdot 10^{-7}$	0	$7.711 \cdot 10^{-9}$	$7.711 \cdot 10^{-9}$	0
$HH \rightarrow z d\bar{d}$	$6.027 \cdot 10^{-8}$	$6.027 \cdot 10^{-8}$	0	$9.189 \cdot 10^{-9}$	$9.189 \cdot 10^{-9}$	0
$HH \rightarrow ze^+e^-$	$2.86 \cdot 10^{-8}$	$2.86 \cdot 10^{-8}$	0	$1.948 \cdot 10^{-9}$	$1.948 \cdot 10^{-9}$	0
$HH \rightarrow zt\bar{t}$	$5.698 \cdot 10^{-5}$	$5.698 \cdot 10^{-5}$	0	$4.748 \cdot 10^{-5}$	$4.748 \cdot 10^{-5}$	0
$HH \rightarrow zz$	-1.984	-1.984	0	1.747	1.747	0
$HW^+ \rightarrow \gamma t\bar{b}$	$5.252 \cdot 10^{-8}$	$5.252 \cdot 10^{-8}$	0	$1.592 \cdot 10^{-9}$	$1.592 \cdot 10^{-9}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	0.0001872	0.0001872	0	$5.676 \cdot 10^{-6}$	$5.676 \cdot 10^{-6}$	0
$HW^+ \rightarrow u\bar{d}$	0.001388	0.001388	0	$4.207 \cdot 10^{-5}$	$4.207 \cdot 10^{-5}$	0
$HW^- \rightarrow t\bar{b}$	0.1894	0.1894	0	0.005741	0.005741	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$6.287 \cdot 10^{-7}$	$6.287 \cdot 10^{-7}$	0	$1.906 \cdot 10^{-8}$	$1.906 \cdot 10^{-8}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0.000843	0.000843	0	$2.555 \cdot 10^{-5}$	$2.555 \cdot 10^{-5}$	0
$H\gamma \rightarrow t\bar{t}$	0.0493	0.0493	0	0.001495	0.001495	0
$H z \rightarrow \mu^+\mu^-$	$9.51 \cdot 10^{-5}$	$9.51 \cdot 10^{-5}$	0	$2.883 \cdot 10^{-6}$	$2.883 \cdot 10^{-6}$	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	0.0005915	0.0005915	0	$1.793 \cdot 10^{-5}$	$1.793 \cdot 10^{-5}$	0
$H z \rightarrow b\bar{b}$	0.0008983	0.0008983	0	$2.723 \cdot 10^{-5}$	$2.723 \cdot 10^{-5}$	0
$H z \rightarrow s\bar{s}$	0.001723	0.001723	0	$5.224 \cdot 10^{-5}$	$5.224 \cdot 10^{-5}$	0
$H z \rightarrow t\bar{t}$	0.2234	0.2234	0	0.006773	0.006773	0
$H z \rightarrow u\bar{u}$	0.0009806	0.0009806	0	$2.972 \cdot 10^{-5}$	$2.972 \cdot 10^{-5}$	0
$W^+W^- \rightarrow Hb\bar{b}$	0.0004915	0.0004915	0	$1.49 \cdot 10^{-5}$	$1.49 \cdot 10^{-5}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$4.139 \cdot 10^{-6}$	$4.139 \cdot 10^{-6}$	0	$1.255 \cdot 10^{-7}$	$1.255 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$8.038 \cdot 10^{-8}$	$8.038 \cdot 10^{-8}$	0	$2.436 \cdot 10^{-9}$	$2.436 \cdot 10^{-9}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-1.921 \cdot 10^{-6}$	$-1.921 \cdot 10^{-6}$	0	$6.44 \cdot 10^{-6}$	$6.44 \cdot 10^{-6}$	0
$W^+W^- \rightarrow W^+W^-$	9.291	9.291	0	0.3138	0.3138	0

$t\bar{t} \rightarrow t\bar{t}$	-0.09059	-0.09059	0	0.008573	0.008573	0
$zz \rightarrow W^+W^-$	7.134	7.134	0	0.4473	0.4473	0
$zz \rightarrow zz$	0.01975	0.01975	0	0.001197	0.001197	0

2.28 cll1111

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$e^+\nu_e \rightarrow e^+\nu_e$	0.08086	0.08086	0	0.262	0.262	0
$e^+e^- \rightarrow e^+e^-$	-3.845	-3.845	0	11.18	11.18	0

2.29 cll1122

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	0.006377	0.006377	0	0.04611	0.04611	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	1.101	1.101	0	2.735	2.735	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.05278	0.05278	0	0.3839	0.3839	0

2.30 cll1133

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$e^+\tau^- \rightarrow e^+\tau^-$	-3.209	-3.209	0	3.043	3.043	0

2.31 cll1221

interference square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow HH$	0.02613	0.02613	0	0.0007921	0.0007921	0
$HH \rightarrow HHH$	$2.616 \cdot 10^{-7}$	$2.616 \cdot 10^{-7}$	0	$1.19 \cdot 10^{-8}$	$1.19 \cdot 10^{-8}$	0
$HH \rightarrow Ht\bar{t}$	$1.108 \cdot 10^{-5}$	$1.108 \cdot 10^{-5}$	0	$5.039 \cdot 10^{-7}$	$5.039 \cdot 10^{-7}$	0
$HH \rightarrow Hzz$	$1.168 \cdot 10^{-6}$	$1.168 \cdot 10^{-6}$	0	$5.312 \cdot 10^{-8}$	$5.312 \cdot 10^{-8}$	0
$HH \rightarrow W^+W^-$	0.01293	0.01293	0	0.0003919	0.0003919	0
$HH \rightarrow W^+W^-\gamma$	$8.573 \cdot 10^{-8}$	$8.573 \cdot 10^{-8}$	0	$3.898 \cdot 10^{-9}$	$3.898 \cdot 10^{-9}$	0
$HH \rightarrow W^+\bar{t}b$	$7.791 \cdot 10^{-6}$	$7.791 \cdot 10^{-6}$	0	$3.542 \cdot 10^{-7}$	$3.542 \cdot 10^{-7}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$1.174 \cdot 10^{-8}$	$1.174 \cdot 10^{-8}$	0	$5.336 \cdot 10^{-10}$	$5.336 \cdot 10^{-10}$	0
$HH \rightarrow W^-u\bar{d}$	$2.596 \cdot 10^{-7}$	$2.596 \cdot 10^{-7}$	0	$1.18 \cdot 10^{-8}$	$1.18 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	$1.275 \cdot 10^{-7}$	$1.275 \cdot 10^{-7}$	0	$5.797 \cdot 10^{-9}$	$5.797 \cdot 10^{-9}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$2.297 \cdot 10^{-8}$	$2.297 \cdot 10^{-8}$	0	$1.044 \cdot 10^{-9}$	$1.044 \cdot 10^{-9}$	0
$HH \rightarrow z c\bar{c}$	$1.075 \cdot 10^{-7}$	$1.075 \cdot 10^{-7}$	0	$4.887 \cdot 10^{-9}$	$4.887 \cdot 10^{-9}$	0
$HH \rightarrow z d\bar{d}$	$7.753 \cdot 10^{-8}$	$7.753 \cdot 10^{-8}$	0	$3.525 \cdot 10^{-9}$	$3.525 \cdot 10^{-9}$	0
$HH \rightarrow ze^+e^-$	$2.54 \cdot 10^{-8}$	$2.54 \cdot 10^{-8}$	0	$1.155 \cdot 10^{-9}$	$1.155 \cdot 10^{-9}$	0
$HH \rightarrow zt\bar{t}$	$6.865 \cdot 10^{-6}$	$6.865 \cdot 10^{-6}$	0	$3.121 \cdot 10^{-7}$	$3.121 \cdot 10^{-7}$	0
$HH \rightarrow zz$	0.0794	0.0794	0	0.002407	0.002407	0
$HW^+ \rightarrow \gamma t\bar{b}$	$7.878 \cdot 10^{-8}$	$7.878 \cdot 10^{-8}$	0	$3.582 \cdot 10^{-9}$	$3.582 \cdot 10^{-9}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	0.0002809	0.0002809	0	$1.277 \cdot 10^{-5}$	$1.277 \cdot 10^{-5}$	0
$HW^+ \rightarrow u\bar{d}$	0.001388	0.001388	0	$4.207 \cdot 10^{-5}$	$4.207 \cdot 10^{-5}$	0
$HW^- \rightarrow \bar{t}b$	0.1894	0.1894	0	0.005741	0.005741	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$9.431 \cdot 10^{-7}$	$9.431 \cdot 10^{-7}$	0	$4.288 \cdot 10^{-8}$	$4.288 \cdot 10^{-8}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0.000843	0.000843	0	$2.555 \cdot 10^{-5}$	$2.555 \cdot 10^{-5}$	0
$H\gamma \rightarrow t\bar{t}$	0.0493	0.0493	0	0.001495	0.001495	0
$H z \rightarrow \mu^+\mu^-$	$9.51 \cdot 10^{-5}$	$9.51 \cdot 10^{-5}$	0	$2.883 \cdot 10^{-6}$	$2.883 \cdot 10^{-6}$	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	0.0005915	0.0005915	0	$1.793 \cdot 10^{-5}$	$1.793 \cdot 10^{-5}$	0
$H z \rightarrow b\bar{b}$	0.0008983	0.0008983	0	$2.723 \cdot 10^{-5}$	$2.723 \cdot 10^{-5}$	0
$H z \rightarrow s\bar{s}$	0.001723	0.001723	0	$5.224 \cdot 10^{-5}$	$5.224 \cdot 10^{-5}$	0
$H z \rightarrow t\bar{t}$	0.2234	0.2234	0	0.006773	0.006773	0

$H z \rightarrow u \bar{u}$	0.0009806	0.0009806	0	$2.972 \cdot 10^{-5}$	$2.972 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow H b \bar{b}$	0.0007373	0.0007373	0	$3.352 \cdot 10^{-5}$	$3.352 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$6.208 \cdot 10^{-6}$	$6.208 \cdot 10^{-6}$	0	$2.823 \cdot 10^{-7}$	$2.823 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$1.206 \cdot 10^{-7}$	$1.206 \cdot 10^{-7}$	0	$5.482 \cdot 10^{-9}$	$5.482 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$1.546 \cdot 10^{-6}$	$1.546 \cdot 10^{-6}$	0	$7.029 \cdot 10^{-8}$	$7.029 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow W^+ W^-$	9.082	9.082	0	0.2753	0.2753	0
$W^+ W^- \rightarrow \gamma \gamma$	0.009418	0.009418	0	0.0002855	0.0002855	0
$W^+ W^- \rightarrow \gamma \gamma \gamma$	$2.859 \cdot 10^{-7}$	$2.859 \cdot 10^{-7}$	0	$1.3 \cdot 10^{-8}$	$1.3 \cdot 10^{-8}$	0
$\bar{b} t \rightarrow \bar{d} u$	0.001205	0.001205	0	$3.654 \cdot 10^{-5}$	$3.654 \cdot 10^{-5}$	0
$\gamma W^+ \rightarrow z W^+$	6.501	6.501	0	0.1971	0.1971	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	0.0008077	0.0008077	0	$2.448 \cdot 10^{-5}$	$2.448 \cdot 10^{-5}$	0
$\nu_\tau \bar{\nu}_\tau \rightarrow \nu_\tau \bar{\nu}_\tau$	$2.176 \cdot 10^{-6}$	$2.176 \cdot 10^{-6}$	0	$6.595 \cdot 10^{-8}$	$6.595 \cdot 10^{-8}$	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	0.07865	0.07865	0	0.571	0.571	0
$b \bar{b} \rightarrow \gamma \gamma$	$1.338 \cdot 10^{-5}$	$1.338 \cdot 10^{-5}$	0	$4.055 \cdot 10^{-7}$	$4.055 \cdot 10^{-7}$	0
$b \bar{b} \rightarrow \mu^+ \mu^-$	0.0003581	0.0003581	0	$1.085 \cdot 10^{-5}$	$1.085 \cdot 10^{-5}$	0
$b \bar{b} \rightarrow \nu_e \bar{\nu}_e$	$6.567 \cdot 10^{-5}$	$6.567 \cdot 10^{-5}$	0	$1.991 \cdot 10^{-6}$	$1.991 \cdot 10^{-6}$	0
$b \bar{b} \rightarrow b \bar{b}$	-0.004977	-0.004977	0	$2.159 \cdot 10^{-5}$	$2.159 \cdot 10^{-5}$	0
$b \bar{b} \rightarrow d \bar{d}$	0.0002132	0.0002132	0	$6.461 \cdot 10^{-6}$	$6.461 \cdot 10^{-6}$	0
$b \bar{b} \rightarrow t \bar{t}$	0.03232	0.03232	0	0.002423	0.002423	0
$b \bar{b} \rightarrow u \bar{u}$	0.0006845	0.0006845	0	$2.075 \cdot 10^{-5}$	$2.075 \cdot 10^{-5}$	0
$b \bar{t} \rightarrow e^- \bar{\nu}_e$	0.001094	0.001094	0	$3.317 \cdot 10^{-5}$	$3.317 \cdot 10^{-5}$	0
$c \bar{c} \rightarrow \mu^+ \mu^-$	0.0001621	0.0001621	0	$4.914 \cdot 10^{-6}$	$4.914 \cdot 10^{-6}$	0
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	0.0006541	0.0006541	0	$1.983 \cdot 10^{-5}$	$1.983 \cdot 10^{-5}$	0
$d \bar{d} \rightarrow c \bar{c}$	$9.138 \cdot 10^{-5}$	$9.138 \cdot 10^{-5}$	0	$2.77 \cdot 10^{-6}$	$2.77 \cdot 10^{-6}$	0
$d \bar{d} \rightarrow e^+ e^-$	0.0003548	0.0003548	0	$1.075 \cdot 10^{-5}$	$1.075 \cdot 10^{-5}$	0
$e^+ \nu_\mu \rightarrow e^+ \nu_\mu$	0.000594	0.000594	0	$1.801 \cdot 10^{-5}$	$1.801 \cdot 10^{-5}$	0
$e^+ \nu_e \rightarrow \mu^+ \nu_\mu$	0.1347	0.1347	0	0.6408	0.6408	0
$e^+ \nu_e \rightarrow e^+ \nu_e$	0.007422	0.007422	0	0.000225	0.000225	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	1.377	1.377	0	0.04175	0.04175	0

$e^+e^- \rightarrow \mu^+\mu^-$	0.05054	0.05054	0	0.3643	0.3643	0
$e^+e^- \rightarrow e^+e^-$	0.005296	0.005296	0	0.0001605	0.0001605	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0.0001676	0.0001676	0	$5.08 \cdot 10^{-6}$	$5.08 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	-0.0005027	-0.0005027	0	$2.569 \cdot 10^{-6}$	$2.569 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$5.642 \cdot 10^{-5}$	$5.642 \cdot 10^{-5}$	0	$1.71 \cdot 10^{-6}$	$1.71 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0006798	0.0006798	0	$2.061 \cdot 10^{-5}$	$2.061 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	0.0008525	0.0008525	0	$2.584 \cdot 10^{-5}$	$2.584 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	0.0005935	0.0005935	0	$1.799 \cdot 10^{-5}$	$1.799 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	0.0001242	0.0001242	0	$3.764 \cdot 10^{-6}$	$3.764 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow t\bar{t}$	-0.1099	-0.1099	0	0.003665	0.003665	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$2.738 \cdot 10^{-5}$	$2.738 \cdot 10^{-5}$	0	$8.3 \cdot 10^{-7}$	$8.3 \cdot 10^{-7}$	0
$u\bar{d} \rightarrow c\bar{s}$	0.003641	0.003641	0	0.0001104	0.0001104	0
$u\bar{d} \rightarrow u\bar{d}$	-0.0004952	-0.0004952	0	$1.518 \cdot 10^{-5}$	$1.518 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	$6.293 \cdot 10^{-5}$	$6.293 \cdot 10^{-5}$	0	$1.907 \cdot 10^{-6}$	$1.907 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow u\bar{u}$	-0.004899	-0.004899	0	$2.263 \cdot 10^{-5}$	$2.263 \cdot 10^{-5}$	0
$zz \rightarrow W^+W^-$	5.073	5.073	0	0.1538	0.1538	0
$zz \rightarrow zz$	0.009876	0.009876	0	0.0002994	0.0002994	0

2.32 cll1331

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$e^+\tau^- \rightarrow e^+\tau^-$	-0.3256	-0.3256	0	1.122	1.122	0

2.33 cll2233

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.3391	0.3391	0	2.466	2.466	0

2.34 cll2332

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.01357	0.01357	0	0.09873	0.09873	0

2.35 cll3333

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.6909	-0.6909	0	6.269	6.269	0

2.36 cp

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow HH$	-0.975	-0.975	0	1.863	1.863	0
$HH \rightarrow HHH$	$9.895 \cdot 10^{-6}$	$9.895 \cdot 10^{-6}$	0	$1.211 \cdot 10^{-5}$	$1.211 \cdot 10^{-5}$	0
$HH \rightarrow Ht\bar{t}$	$-2.176 \cdot 10^{-5}$	$-2.176 \cdot 10^{-5}$	0	$3.143 \cdot 10^{-5}$	$3.143 \cdot 10^{-5}$	0
$HH \rightarrow Hzz$	$-7.619 \cdot 10^{-5}$	$-7.619 \cdot 10^{-5}$	0	$6.885 \cdot 10^{-5}$	$6.885 \cdot 10^{-5}$	0
$HH \rightarrow W^+W^-$	-0.09473	-0.09473	0	0.1331	0.1331	0
$HH \rightarrow W^+W^-\gamma$	$-4.504 \cdot 10^{-7}$	$-4.504 \cdot 10^{-7}$	0	$7.581 \cdot 10^{-8}$	$7.581 \cdot 10^{-8}$	0
$HH \rightarrow W^+\bar{t}b$	0.0001982	0.0001982	0	$1.667 \cdot 10^{-6}$	$1.667 \cdot 10^{-6}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$8.55 \cdot 10^{-8}$	$8.55 \cdot 10^{-8}$	0	$4.023 \cdot 10^{-9}$	$4.023 \cdot 10^{-9}$	0
$HH \rightarrow W^-u\bar{d}$	$3.455 \cdot 10^{-9}$	$3.455 \cdot 10^{-9}$	0	$4.043 \cdot 10^{-10}$	$4.043 \cdot 10^{-10}$	0
$HH \rightarrow z\bar{b}b$	$-5.094 \cdot 10^{-9}$	$-5.094 \cdot 10^{-9}$	0	$7.924 \cdot 10^{-9}$	$7.924 \cdot 10^{-9}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$3.904 \cdot 10^{-9}$	$3.904 \cdot 10^{-9}$	0	$9.752 \cdot 10^{-9}$	$9.752 \cdot 10^{-9}$	0
$HH \rightarrow zcc$	$5.586 \cdot 10^{-8}$	$5.586 \cdot 10^{-8}$	0	$2.436 \cdot 10^{-10}$	$2.436 \cdot 10^{-10}$	0
$HH \rightarrow zdd$	$2.266 \cdot 10^{-8}$	$2.266 \cdot 10^{-8}$	0	$3.182 \cdot 10^{-9}$	$3.182 \cdot 10^{-9}$	0

$HH \rightarrow ze^+e^-$	$1.808 \cdot 10^{-9}$	$1.808 \cdot 10^{-9}$	0	$2.467 \cdot 10^{-11}$	$2.467 \cdot 10^{-11}$	0
$HH \rightarrow zt\bar{t}$	$-3.601 \cdot 10^{-6}$	$-3.601 \cdot 10^{-6}$	0	$4.023 \cdot 10^{-7}$	$4.023 \cdot 10^{-7}$	0
$HH \rightarrow zz$	4.884	4.884	0	0.06606	0.06606	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.007 \cdot 10^{-7}$	$2.007 \cdot 10^{-7}$	0	$5.406 \cdot 10^{-8}$	$5.406 \cdot 10^{-8}$	0

2.37 cpBB

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Hzz$	$9.78 \cdot 10^{-7}$	$9.78 \cdot 10^{-7}$	0	$9.813 \cdot 10^{-7}$	$9.813 \cdot 10^{-7}$	0
$HH \rightarrow W^+W^-\gamma$	$-1.52 \cdot 10^{-7}$	$-1.52 \cdot 10^{-7}$	0	$1.373 \cdot 10^{-7}$	$1.373 \cdot 10^{-7}$	0
$HH \rightarrow z\bar{b}b$	$4.559 \cdot 10^{-7}$	$4.559 \cdot 10^{-7}$	0	$4.533 \cdot 10^{-7}$	$4.533 \cdot 10^{-7}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$-2.49 \cdot 10^{-5}$	$-2.49 \cdot 10^{-5}$	0	$5.327 \cdot 10^{-6}$	$5.327 \cdot 10^{-6}$	0
$HH \rightarrow zcc$	$3.853 \cdot 10^{-8}$	$3.853 \cdot 10^{-8}$	0	$8.53 \cdot 10^{-8}$	$8.53 \cdot 10^{-8}$	0
$HH \rightarrow zdd$	$-6.391 \cdot 10^{-7}$	$-6.391 \cdot 10^{-7}$	0	$8.959 \cdot 10^{-5}$	$8.959 \cdot 10^{-5}$	0
$HH \rightarrow ze^+e^-$	$-8.115 \cdot 10^{-9}$	$-8.115 \cdot 10^{-9}$	0	$1.957 \cdot 10^{-7}$	$1.957 \cdot 10^{-7}$	0
$HH \rightarrow zt\bar{t}$	$-5.313 \cdot 10^{-7}$	$-5.313 \cdot 10^{-7}$	0	$3.032 \cdot 10^{-7}$	$3.032 \cdot 10^{-7}$	0
$HH \rightarrow zz$	0.07004	0.07004	0	0.3053	0.3053	0
$HW^+ \rightarrow \gamma t\bar{b}$	$9.385 \cdot 10^{-7}$	$9.385 \cdot 10^{-7}$	0	$2.463 \cdot 10^{-7}$	$2.463 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$1.14 \cdot 10^{-8}$	$1.14 \cdot 10^{-8}$	0	$4.722 \cdot 10^{-9}$	$4.722 \cdot 10^{-9}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$5.507 \cdot 10^{-8}$	$5.507 \cdot 10^{-8}$	0	$2.896 \cdot 10^{-8}$	$2.896 \cdot 10^{-8}$	0
$H\gamma \rightarrow b\bar{b}$	0	0	0	0.005168	0.005168	0
$H\gamma \rightarrow c\bar{c}$	0	0	0	0.01691	0.01691	0
$H\gamma \rightarrow d\bar{d}$	0	0	0	0.005024	0.005024	0
$H\gamma \rightarrow e^+e^-$	0	0	0	0.01554	0.01554	0
$H\gamma \rightarrow t\bar{t}$	-0.03867	-0.03867	0	0.02212	0.02212	0
$H\gamma \rightarrow \mu^+\mu^-$	0.0003059	0.0003059	0	0.003184	0.003184	0
$H\gamma \rightarrow \nu_\tau\bar{\nu}_\tau$	0.001149	0.001149	0	0.0009791	0.0009791	0
$H\gamma \rightarrow b\bar{b}$	0.0009078	0.0009078	0	0.001101	0.001101	0

$H z \rightarrow s \bar{s}$	0.001031	0.001031	0	0.001251	0.001251	0
$H z \rightarrow t \bar{t}$	-0.01273	-0.01273	0	0.004552	0.004552	0
$H z \rightarrow u \bar{u}$	0.0006947	0.0006947	0	0.00582	0.00582	0
$W^+ W^- \rightarrow H b \bar{b}$	$-1.378 \cdot 10^{-6}$	$-1.378 \cdot 10^{-6}$	0	$1.081 \cdot 10^{-8}$	$1.081 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$3.208 \cdot 10^{-9}$	$3.208 \cdot 10^{-9}$	0	$2.891 \cdot 10^{-10}$	$2.891 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$-1.749 \cdot 10^{-7}$	$-1.749 \cdot 10^{-7}$	0	$4.88 \cdot 10^{-10}$	$4.88 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$-3.737 \cdot 10^{-9}$	$-3.737 \cdot 10^{-9}$	0	$2.249 \cdot 10^{-10}$	$2.249 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow \gamma \gamma$	-0.04421	-0.04421	0	0.2694	0.2694	0
$W^+ W^- \rightarrow \gamma \gamma \gamma$	$-6.459 \cdot 10^{-8}$	$-6.459 \cdot 10^{-8}$	0	$3.563 \cdot 10^{-7}$	$3.563 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow z W^+$	-0.04111	-0.04111	0	0.04646	0.04646	0
$z z \rightarrow W^+ W^-$	-0.04147	-0.04147	0	0.04883	0.04883	0
$z z \rightarrow z z$	0.001834	0.001834	0	0.07285	0.07285	0

2.38 cpDC

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow HH$	0.02943	0.02943	0	0.005534	0.005534	0
$HH \rightarrow HHH$	$3.583 \cdot 10^{-7}$	$3.583 \cdot 10^{-7}$	0	$4.966 \cdot 10^{-7}$	$4.966 \cdot 10^{-7}$	0
$HH \rightarrow H t \bar{t}$	$4.663 \cdot 10^{-6}$	$4.663 \cdot 10^{-6}$	0	$3.848 \cdot 10^{-7}$	$3.848 \cdot 10^{-7}$	0
$HH \rightarrow H z z$	$2.282 \cdot 10^{-6}$	$2.282 \cdot 10^{-6}$	0	$3.296 \cdot 10^{-6}$	$3.296 \cdot 10^{-6}$	0
$HH \rightarrow W^+ W^-$	0.03367	0.03367	0	0.2504	0.2504	0
$HH \rightarrow W^+ W^- \gamma$	$-6.542 \cdot 10^{-7}$	$-6.542 \cdot 10^{-7}$	0	$6.69 \cdot 10^{-7}$	$6.69 \cdot 10^{-7}$	0
$HH \rightarrow W^+ \bar{t} b$	$1.526 \cdot 10^{-6}$	$1.526 \cdot 10^{-6}$	0	$1.246 \cdot 10^{-6}$	$1.246 \cdot 10^{-6}$	0
$HH \rightarrow W^+ e^- \bar{\nu}_e$	$-6.471 \cdot 10^{-9}$	$-6.471 \cdot 10^{-9}$	0	$1.981 \cdot 10^{-10}$	$1.981 \cdot 10^{-10}$	0
$HH \rightarrow W^- u \bar{d}$	$1.791 \cdot 10^{-8}$	$1.791 \cdot 10^{-8}$	0	$3.238 \cdot 10^{-8}$	$3.238 \cdot 10^{-8}$	0
$HH \rightarrow z \bar{b} b$	$-1.604 \cdot 10^{-7}$	$-1.604 \cdot 10^{-7}$	0	$1.958 \cdot 10^{-7}$	$1.958 \cdot 10^{-7}$	0
$HH \rightarrow z \nu_e \bar{\nu}_e$	-0.0001492	-0.0001492	0	$2.319 \cdot 10^{-5}$	$2.319 \cdot 10^{-5}$	0
$HH \rightarrow z c \bar{c}$	$6.271 \cdot 10^{-8}$	$6.271 \cdot 10^{-8}$	0	$4.283 \cdot 10^{-9}$	$4.283 \cdot 10^{-9}$	0

$HH \rightarrow z d \bar{d}$	$-6.06 \cdot 10^{-6}$	$-6.06 \cdot 10^{-6}$	0	$2.453 \cdot 10^{-5}$	$2.453 \cdot 10^{-5}$	0
$HH \rightarrow z e^+ e^-$	$1.743 \cdot 10^{-9}$	$1.743 \cdot 10^{-9}$	0	$1.168 \cdot 10^{-9}$	$1.168 \cdot 10^{-9}$	0
$HH \rightarrow z t \bar{t}$	$2.214 \cdot 10^{-5}$	$2.214 \cdot 10^{-5}$	0	$6.462 \cdot 10^{-6}$	$6.462 \cdot 10^{-6}$	0
$HH \rightarrow z z$	-3.624	-3.624	0	0.3346	0.3346	0
$HW^+ \rightarrow \gamma t \bar{b}$	$-5.733 \cdot 10^{-7}$	$-5.733 \cdot 10^{-7}$	0	$1.859 \cdot 10^{-8}$	$1.859 \cdot 10^{-8}$	0
$HW^+ \rightarrow \gamma u \bar{d}$	$-3.795 \cdot 10^{-9}$	$-3.795 \cdot 10^{-9}$	0	$1.231 \cdot 10^{-10}$	$1.231 \cdot 10^{-10}$	0
$HW^+ \rightarrow u \bar{d}$	-0.0006468	-0.0006468	0	$4.901 \cdot 10^{-6}$	$4.901 \cdot 10^{-6}$	0
$HW^- \rightarrow t \bar{b}$	-0.0943	-0.0943	0	0.0007146	0.0007146	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-2.382 \cdot 10^{-8}$	$-2.382 \cdot 10^{-8}$	0	$7.723 \cdot 10^{-10}$	$7.723 \cdot 10^{-10}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	-0.0001581	-0.0001581	0	$1.198 \cdot 10^{-6}$	$1.198 \cdot 10^{-6}$	0
$H\gamma \rightarrow b \bar{b}$	0	0	0	0	$1.103 \cdot 10^{-38}$	∞
$H\gamma \rightarrow c \bar{c}$	0	0	0	0	$8.31 \cdot 10^{-39}$	∞
$H\gamma \rightarrow d \bar{d}$	0	0	0	0	$1.072 \cdot 10^{-38}$	∞
$H\gamma \rightarrow e^+ e^-$	0	0	0	0	$2.538 \cdot 10^{-39}$	∞
$H\gamma \rightarrow t \bar{t}$	-0.07123	-0.07123	0	0.00231	0.00231	0
$H z \rightarrow \mu^+ \mu^-$	$3.804 \cdot 10^{-5}$	$3.804 \cdot 10^{-5}$	0	$2.71 \cdot 10^{-5}$	$2.71 \cdot 10^{-5}$	0
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	$4.049 \cdot 10^{-19}$	$3.944 \cdot 10^{-19}$	0.02592	$1.612 \cdot 10^{-35}$	$1.513 \cdot 10^{-35}$	0.06189
$H z \rightarrow b \bar{b}$	0.000387	0.000387	0	$8.705 \cdot 10^{-6}$	$8.705 \cdot 10^{-6}$	0
$H z \rightarrow s \bar{s}$	0.0003327	0.0003327	0	$7.484 \cdot 10^{-6}$	$7.484 \cdot 10^{-6}$	0
$H z \rightarrow t \bar{t}$	0.01363	0.01363	0	0.01749	0.01749	0
$H z \rightarrow u \bar{u}$	0.000162	0.000162	0	$1.332 \cdot 10^{-5}$	$1.332 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow H b \bar{b}$	$-1.14 \cdot 10^{-5}$	$-1.14 \cdot 10^{-5}$	0	$2.559 \cdot 10^{-7}$	$2.559 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$-2.628 \cdot 10^{-8}$	$-2.628 \cdot 10^{-8}$	0	$4.174 \cdot 10^{-10}$	$4.174 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$-4.53 \cdot 10^{-6}$	$-4.53 \cdot 10^{-6}$	0	$7.851 \cdot 10^{-8}$	$7.851 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$-6.29 \cdot 10^{-6}$	$-6.29 \cdot 10^{-6}$	0	$5.805 \cdot 10^{-7}$	$5.805 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow W^+ W^-$	1.765	1.765	0	0.02697	0.02697	0
$W^+ W^- \rightarrow \gamma \gamma$	-0.05777	-0.05777	0	0.002871	0.002871	0
$W^+ W^- \rightarrow \gamma \gamma \gamma$	$-5.118 \cdot 10^{-7}$	$-5.118 \cdot 10^{-7}$	0	$3.815 \cdot 10^{-8}$	$3.815 \cdot 10^{-8}$	0
$\gamma W^+ \rightarrow z W^+$	-0.02241	-0.02241	0	0.000387	0.000387	0

$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.001931	-0.001931	0	0.0001255	0.0001255	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.001154	-0.001154	0	$1.749 \cdot 10^{-5}$	$1.749 \cdot 10^{-5}$	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	-0.001133	-0.001133	0	$1.717 \cdot 10^{-5}$	$1.717 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \gamma\gamma$	$-3.602 \cdot 10^{-5}$	$-3.602 \cdot 10^{-5}$	0	$1.79 \cdot 10^{-6}$	$1.79 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-6.495 \cdot 10^{-5}$	$-6.495 \cdot 10^{-5}$	0	$1.04 \cdot 10^{-5}$	$1.04 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$-3.541 \cdot 10^{-5}$	$-3.541 \cdot 10^{-5}$	0	$8.715 \cdot 10^{-7}$	$8.715 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow b\bar{b}$	0.01206	0.01206	0	$5.229 \cdot 10^{-5}$	$5.229 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow d\bar{d}$	$-8.128 \cdot 10^{-5}$	$-8.128 \cdot 10^{-5}$	0	$2.026 \cdot 10^{-6}$	$2.026 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	0.001741	0.001741	0	$1.252 \cdot 10^{-5}$	$1.252 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow u\bar{u}$	$-5.843 \cdot 10^{-5}$	$-5.843 \cdot 10^{-5}$	0	$6.821 \cdot 10^{-6}$	$6.821 \cdot 10^{-6}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0002367	-0.0002367	0	$1.38 \cdot 10^{-5}$	$1.38 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow c\bar{c}$	-0.0001017	-0.0001017	0	$1.261 \cdot 10^{-5}$	$1.261 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow e^+e^-$	$-3.723 \cdot 10^{-5}$	$-3.723 \cdot 10^{-5}$	0	$4.05 \cdot 10^{-6}$	$4.05 \cdot 10^{-6}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.001218	-0.001218	0	$7.932 \cdot 10^{-5}$	$7.932 \cdot 10^{-5}$	0
$e^+\nu_e \rightarrow e^+\nu_e$	-0.00166	-0.00166	0	0.0001241	0.0001241	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.3836	-0.3836	0	0.02183	0.02183	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.001585	-0.001585	0	$9.524 \cdot 10^{-5}$	$9.524 \cdot 10^{-5}$	0
$e^+e^- \rightarrow e^+e^-$	-0.1786	-0.1786	0	0.01038	0.01038	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	$-7.62 \cdot 10^{-5}$	$-7.62 \cdot 10^{-5}$	0	$5.238 \cdot 10^{-7}$	$5.238 \cdot 10^{-7}$	0
$s\bar{s} \rightarrow s\bar{s}$	-0.03491	-0.03491	0	0.006731	0.006731	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$6.563 \cdot 10^{-5}$	$6.563 \cdot 10^{-5}$	0	$9.945 \cdot 10^{-7}$	$9.945 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.0005127	-0.0005127	0	$2.856 \cdot 10^{-5}$	$2.856 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.000141	-0.000141	0	$8.108 \cdot 10^{-6}$	$8.108 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow d\bar{d}$	$-4.997 \cdot 10^{-5}$	$-4.997 \cdot 10^{-5}$	0	$6.867 \cdot 10^{-6}$	$6.867 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	$-6.79 \cdot 10^{-5}$	$-6.79 \cdot 10^{-5}$	0	$9.441 \cdot 10^{-6}$	$9.441 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.02317	0.02317	0	0.0008195	0.0008195	0
$u\bar{d} \rightarrow u\bar{d}$	-0.0003511	-0.0003511	0	$3.049 \cdot 10^{-5}$	$3.049 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	$-2.368 \cdot 10^{-5}$	$-2.368 \cdot 10^{-5}$	0	$2.994 \cdot 10^{-6}$	$2.994 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow u\bar{u}$	0.000156	0.000156	0	$1.575 \cdot 10^{-5}$	$1.575 \cdot 10^{-5}$	0

$zz \rightarrow W^+W^-$	0.1663	0.1663	0	0.003441	0.003441	0
$zz \rightarrow zz$	0.004941	0.004941	0	$7.489 \cdot 10^{-5}$	$7.489 \cdot 10^{-5}$	0

2.39 cpG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \rightarrow t\bar{t}$	-0.2135	-0.2135	0	0.04035	0.04035	0

2.40 cpQ3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow z\bar{b}b$	$1.547 \cdot 10^{-5}$	$1.547 \cdot 10^{-5}$	0	$2.86 \cdot 10^{-5}$	$2.86 \cdot 10^{-5}$	0
$HH \rightarrow zt\bar{t}$	$1.405 \cdot 10^{-5}$	$1.405 \cdot 10^{-5}$	0	$2.229 \cdot 10^{-5}$	$2.229 \cdot 10^{-5}$	0
$H z \rightarrow b\bar{b}$	0.1639	0.1639	0	0.712	0.712	0
$H z \rightarrow t\bar{t}$	1.651	1.651	0	0.3255	0.3255	0
$W^+W^- \rightarrow Hb\bar{b}$	$6.609 \cdot 10^{-5}$	$6.609 \cdot 10^{-5}$	0	$2.273 \cdot 10^{-6}$	$2.273 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-2.987 \cdot 10^{-6}$	$-2.987 \cdot 10^{-6}$	0	$5.251 \cdot 10^{-7}$	$5.251 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$4.887 \cdot 10^{-5}$	$4.887 \cdot 10^{-5}$	0	$3.375 \cdot 10^{-6}$	$3.375 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	0.0003173	0.0003173	0	$1.139 \cdot 10^{-5}$	$1.139 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow b\bar{b}$	-0.05754	-0.05754	0	0.001479	0.001479	0
$b\bar{b} \rightarrow d\bar{d}$	0.0002018	0.0002018	0	$6.978 \cdot 10^{-6}$	$6.978 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.0007003	-0.0007003	0	$5.655 \cdot 10^{-6}$	$5.655 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow u\bar{u}$	0.0005027	0.0005027	0	$1.478 \cdot 10^{-5}$	$1.478 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	-0.0002634	-0.0002634	0	$1.191 \cdot 10^{-5}$	$1.191 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	$5.121 \cdot 10^{-5}$	$5.121 \cdot 10^{-5}$	0	$4.719 \cdot 10^{-6}$	$4.719 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.0001521	-0.0001521	0	$7.77 \cdot 10^{-6}$	$7.77 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow d\bar{d}$	$-6.257 \cdot 10^{-6}$	$-6.257 \cdot 10^{-6}$	0	$2.349 \cdot 10^{-6}$	$2.349 \cdot 10^{-6}$	0

$t\bar{t} \rightarrow s\bar{s}$	-0.0007437	-0.0007437	0	$2.626 \cdot 10^{-5}$	$2.626 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.04393	0.04393	0	0.00843	0.00843	0

2.41 cpW

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Hzz$	$6.27 \cdot 10^{-6}$	$6.27 \cdot 10^{-6}$	0	$3.825 \cdot 10^{-6}$	$3.825 \cdot 10^{-6}$	0
$HH \rightarrow W^+W^-$	-0.03234	-0.03234	0	7.785	7.785	0
$HH \rightarrow W^+W^-\gamma$	$8.011 \cdot 10^{-9}$	$8.011 \cdot 10^{-9}$	0	$5.448 \cdot 10^{-5}$	$5.448 \cdot 10^{-5}$	0
$HH \rightarrow W^+\bar{t}b$	$6.083 \cdot 10^{-7}$	$6.083 \cdot 10^{-7}$	0	$7.472 \cdot 10^{-6}$	$7.472 \cdot 10^{-6}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$2.922 \cdot 10^{-7}$	$2.922 \cdot 10^{-7}$	0	$3.511 \cdot 10^{-7}$	$3.511 \cdot 10^{-7}$	0
$HH \rightarrow W^-u\bar{d}$	$1.807 \cdot 10^{-6}$	$1.807 \cdot 10^{-6}$	0	$6.158 \cdot 10^{-6}$	$6.158 \cdot 10^{-6}$	0
$HH \rightarrow z\bar{b}b$	$-1.493 \cdot 10^{-7}$	$-1.493 \cdot 10^{-7}$	0	$2.795 \cdot 10^{-6}$	$2.795 \cdot 10^{-6}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$1.922 \cdot 10^{-7}$	$1.922 \cdot 10^{-7}$	0	$1.823 \cdot 10^{-7}$	$1.823 \cdot 10^{-7}$	0
$HH \rightarrow z c\bar{c}$	$5.657 \cdot 10^{-7}$	$5.657 \cdot 10^{-7}$	0	$4.405 \cdot 10^{-7}$	$4.405 \cdot 10^{-7}$	0
$HH \rightarrow z d\bar{d}$	$-9.767 \cdot 10^{-6}$	$-9.767 \cdot 10^{-6}$	0	$7.296 \cdot 10^{-5}$	$7.296 \cdot 10^{-5}$	0
$HH \rightarrow ze^+e^-$	$-4.514 \cdot 10^{-8}$	$-4.514 \cdot 10^{-8}$	0	$4.711 \cdot 10^{-7}$	$4.711 \cdot 10^{-7}$	0
$HH \rightarrow zt\bar{t}$	$-3.234 \cdot 10^{-5}$	$-3.234 \cdot 10^{-5}$	0	$9.549 \cdot 10^{-6}$	$9.549 \cdot 10^{-6}$	0
$HH \rightarrow zz$	0.0199	0.0199	0	2.202	2.202	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.691 \cdot 10^{-7}$	$-1.691 \cdot 10^{-7}$	0	$4.404 \cdot 10^{-7}$	$4.404 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$1.786 \cdot 10^{-8}$	$1.786 \cdot 10^{-8}$	0	$3.711 \cdot 10^{-8}$	$3.711 \cdot 10^{-8}$	0
$HW^+ \rightarrow u\bar{d}$	0.01442	0.01442	0	0.06859	0.06859	0
$HW^- \rightarrow \bar{t}b$	-0.07378	-0.07378	0	0.09582	0.09582	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$-1.974 \cdot 10^{-8}$	$-1.974 \cdot 10^{-8}$	0	$1.965 \cdot 10^{-7}$	$1.965 \cdot 10^{-7}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0.00418	0.00418	0	0.01989	0.01989	0
$H\gamma \rightarrow b\bar{b}$	0	0	0	0.01196	0.01196	0
$H\gamma \rightarrow c\bar{c}$	0	0	0	0.00949	0.00949	0
$H\gamma \rightarrow d\bar{d}$	0	0	0	0.009066	0.009066	0

$H\gamma \rightarrow e^+e^-$	0	0	0	0.003216	0.003216	0
$H\gamma \rightarrow t\bar{t}$	-0.05969	-0.05969	0	0.01363	0.01363	0
$H z \rightarrow \mu^+\mu^-$	0.002416	0.002416	0	0.01258	0.01258	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	0.004688	0.004688	0	0.0131	0.0131	0
$H z \rightarrow b\bar{b}$	0.006076	0.006076	0	0.02008	0.02008	0
$H z \rightarrow s\bar{s}$	0.01027	0.01027	0	0.03394	0.03394	0
$H z \rightarrow t\bar{t}$	-0.04262	-0.04262	0	0.02484	0.02484	0
$H z \rightarrow u\bar{u}$	0.007033	0.007033	0	0.02843	0.02843	0
$W^+W^- \rightarrow Hb\bar{b}$	$-2.486 \cdot 10^{-7}$	$-2.486 \cdot 10^{-7}$	0	$4.829 \cdot 10^{-8}$	$4.829 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$-6.598 \cdot 10^{-7}$	$-6.598 \cdot 10^{-7}$	0	$7.32 \cdot 10^{-7}$	$7.32 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hdd\bar{d}$	$-1.686 \cdot 10^{-7}$	$-1.686 \cdot 10^{-7}$	0	$1.301 \cdot 10^{-7}$	$1.301 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$1.357 \cdot 10^{-6}$	$1.357 \cdot 10^{-6}$	0	$2.247 \cdot 10^{-5}$	$2.247 \cdot 10^{-5}$	0
$W^+W^- \rightarrow W^+W^-$	0.2176	0.2176	0	2.342	2.342	0
$W^+W^- \rightarrow \gamma\gamma$	-0.01146	-0.01146	0	0.02506	0.02506	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-4.32 \cdot 10^{-9}$	$-4.32 \cdot 10^{-9}$	0	$1.734 \cdot 10^{-8}$	$1.734 \cdot 10^{-8}$	0
$\gamma W^+ \rightarrow zW^+$	-0.0007776	-0.0007776	0	0.000106	0.000106	0
$zz \rightarrow W^+W^-$	-0.389	-0.389	0	1.42	1.42	0
$zz \rightarrow zz$	0.006009	0.006009	0	0.796	0.796	0

2.42 cpWB

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Hzz$	$1.681 \cdot 10^{-6}$	$1.681 \cdot 10^{-6}$	0	$1.83 \cdot 10^{-6}$	$1.83 \cdot 10^{-6}$	0
$HH \rightarrow W^+W^-\gamma$	$-4.099 \cdot 10^{-7}$	$-4.099 \cdot 10^{-7}$	0	$4.182 \cdot 10^{-6}$	$4.182 \cdot 10^{-6}$	0
$HH \rightarrow z\bar{b}b$	$3.029 \cdot 10^{-7}$	$3.029 \cdot 10^{-7}$	0	$6.315 \cdot 10^{-7}$	$6.315 \cdot 10^{-7}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$1.821 \cdot 10^{-7}$	$1.821 \cdot 10^{-7}$	0	$5.707 \cdot 10^{-8}$	$5.707 \cdot 10^{-8}$	0
$HH \rightarrow z c\bar{c}$	$5.762 \cdot 10^{-5}$	$5.762 \cdot 10^{-5}$	0	$1.639 \cdot 10^{-5}$	$1.639 \cdot 10^{-5}$	0
$HH \rightarrow z d\bar{d}$	$-4.406 \cdot 10^{-8}$	$-4.406 \cdot 10^{-8}$	0	$8.541 \cdot 10^{-8}$	$8.541 \cdot 10^{-8}$	0

$HH \rightarrow ze^+e^-$	$4.678 \cdot 10^{-7}$	$4.678 \cdot 10^{-7}$	0	$1.161 \cdot 10^{-6}$	$1.161 \cdot 10^{-6}$	0
$HH \rightarrow zt\bar{t}$	$-1.753 \cdot 10^{-6}$	$-1.753 \cdot 10^{-6}$	0	$8.223 \cdot 10^{-7}$	$8.223 \cdot 10^{-7}$	0
$HH \rightarrow zz$	0.01097	0.01097	0	0.6716	0.6716	0
$HW^+ \rightarrow \gamma t\bar{b}$	$5.273 \cdot 10^{-7}$	$5.273 \cdot 10^{-7}$	0	$2.475 \cdot 10^{-6}$	$2.475 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-1.026 \cdot 10^{-7}$	$-1.026 \cdot 10^{-7}$	0	$2.355 \cdot 10^{-7}$	$2.355 \cdot 10^{-7}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$9.219 \cdot 10^{-9}$	$9.219 \cdot 10^{-9}$	0	$1.664 \cdot 10^{-7}$	$1.664 \cdot 10^{-7}$	0
$H\gamma \rightarrow b\bar{b}$	0	0	0	0.01005	0.01005	0
$H\gamma \rightarrow c\bar{c}$	0	0	0	0.01136	0.01136	0
$H\gamma \rightarrow d\bar{d}$	0	0	0	0.01141	0.01141	0
$H\gamma \rightarrow e^+e^-$	0	0	0	0.006892	0.006892	0
$H\gamma \rightarrow t\bar{t}$	-0.08131	-0.08131	0	0.01497	0.01497	0
$H z \rightarrow \mu^+\mu^-$	0.0006672	0.0006672	0	0.002006	0.002006	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	0.001754	0.001754	0	0.002705	0.002705	0
$H z \rightarrow b\bar{b}$	0.003595	0.003595	0	0.004627	0.004627	0
$H z \rightarrow s\bar{s}$	0.003781	0.003781	0	0.004937	0.004937	0
$H z \rightarrow t\bar{t}$	-0.012	-0.012	0	0.005419	0.005419	0
$H z \rightarrow u\bar{u}$	0.003178	0.003178	0	0.005844	0.005844	0
$W^+W^- \rightarrow Hb\bar{b}$	$-7.099 \cdot 10^{-7}$	$-7.099 \cdot 10^{-7}$	0	$1.842 \cdot 10^{-7}$	$1.842 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$2.409 \cdot 10^{-8}$	$2.409 \cdot 10^{-8}$	0	$4.225 \cdot 10^{-8}$	$4.225 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-7.59 \cdot 10^{-8}$	$-7.59 \cdot 10^{-8}$	0	$2.584 \cdot 10^{-8}$	$2.584 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-3.066 \cdot 10^{-7}$	$-3.066 \cdot 10^{-7}$	0	$2.314 \cdot 10^{-7}$	$2.314 \cdot 10^{-7}$	0
$W^+W^- \rightarrow W^+W^-$	-0.201	-0.201	0	0.02836	0.02836	0
$W^+W^- \rightarrow \gamma\gamma$	-0.04951	-0.04951	0	0.08298	0.08298	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-3.625 \cdot 10^{-6}$	$-3.625 \cdot 10^{-6}$	0	$7.119 \cdot 10^{-7}$	$7.119 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow zW^+$	0.08008	0.08008	0	0.6563	0.6563	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.009569	-0.009569	0	0.0008573	0.0008573	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	$9.38 \cdot 10^{-19}$	0	1	$3.056 \cdot 10^{-36}$	0	1
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	$4.826 \cdot 10^{-21}$	0	1	$2.649 \cdot 10^{-38}$	0	1
$b\bar{b} \rightarrow \gamma\gamma$	$-4.42 \cdot 10^{-5}$	$-4.42 \cdot 10^{-5}$	0	$4.853 \cdot 10^{-6}$	$4.853 \cdot 10^{-6}$	0

$b\bar{b} \rightarrow \mu^+\mu^-$	-0.0001491	-0.0001491	0	$1.735 \cdot 10^{-5}$	$1.735 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	0.0001382	0.0001382	0	$1.438 \cdot 10^{-6}$	$1.438 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	0.01285	0.01285	0	0.000135	0.000135	0
$b\bar{b} \rightarrow d\bar{d}$	$5.233 \cdot 10^{-5}$	$5.233 \cdot 10^{-5}$	0	$2.528 \cdot 10^{-6}$	$2.528 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.0002079	-0.0002079	0	$1.777 \cdot 10^{-5}$	$1.777 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow u\bar{u}$	$-8.261 \cdot 10^{-5}$	$-8.261 \cdot 10^{-5}$	0	$1.934 \cdot 10^{-5}$	$1.934 \cdot 10^{-5}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0007603	-0.0007603	0	$7.087 \cdot 10^{-5}$	$7.087 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow c\bar{c}$	$-6.473 \cdot 10^{-5}$	$-6.473 \cdot 10^{-5}$	0	$1.649 \cdot 10^{-5}$	$1.649 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow e^+e^-$	-0.0001552	-0.0001552	0	$1.793 \cdot 10^{-5}$	$1.793 \cdot 10^{-5}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.006054	-0.006054	0	0.002532	0.002532	0
$e^+\nu_e \rightarrow e^+\nu_e$	-0.0009173	-0.0009173	0	$5.043 \cdot 10^{-5}$	$5.043 \cdot 10^{-5}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.01169	-0.01169	0	0.001803	0.001803	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.003632	-0.003632	0	0.0005198	0.0005198	0
$e^+e^- \rightarrow e^+e^-$	-0.2421	-0.2421	0	0.03137	0.03137	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	$8.117 \cdot 10^{-5}$	$8.117 \cdot 10^{-5}$	0	$1.051 \cdot 10^{-6}$	$1.051 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.003192	0.003192	0	$2.261 \cdot 10^{-5}$	$2.261 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$-9.927 \cdot 10^{-5}$	$-9.927 \cdot 10^{-5}$	0	$6.578 \cdot 10^{-6}$	$6.578 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.00076	-0.00076	0	$7.559 \cdot 10^{-5}$	$7.559 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.000909	-0.000909	0	$8.886 \cdot 10^{-5}$	$8.886 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	$-7.422 \cdot 10^{-5}$	$-7.422 \cdot 10^{-5}$	0	$1.694 \cdot 10^{-5}$	$1.694 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	$-5.037 \cdot 10^{-5}$	$-5.037 \cdot 10^{-5}$	0	$1.455 \cdot 10^{-5}$	$1.455 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.1062	0.1062	0	0.02758	0.02758	0
$u\bar{d} \rightarrow u\bar{d}$	$-4.671 \cdot 10^{-5}$	$-4.671 \cdot 10^{-5}$	0	$4.115 \cdot 10^{-5}$	$4.115 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	$8.27 \cdot 10^{-5}$	$8.27 \cdot 10^{-5}$	0	$3.857 \cdot 10^{-6}$	$3.857 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow u\bar{u}$	-1.025	-1.025	0	0.2321	0.2321	0
$zz \rightarrow W^+W^-$	0.1846	0.1846	0	0.1787	0.1787	0
$zz \rightarrow zz$	0.003298	0.003298	0	0.2692	0.2692	0

2.43 cpd

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z\bar{b}b$	$-1.624 \cdot 10^{-7}$	$-1.624 \cdot 10^{-7}$	0	$3.144 \cdot 10^{-7}$	$3.144 \cdot 10^{-7}$	0
$HH \rightarrow z\bar{d}d$	$-1.522 \cdot 10^{-7}$	$-1.522 \cdot 10^{-7}$	0	$8.612 \cdot 10^{-7}$	$8.612 \cdot 10^{-7}$	0
$H\bar{z} \rightarrow b\bar{b}$	-0.009363	-0.009363	0	0.2233	0.2233	0
$H\bar{z} \rightarrow s\bar{s}$	-0.03653	-0.03653	0	0.8548	0.8548	0
$W^+W^- \rightarrow Hb\bar{b}$	$-1.784 \cdot 10^{-8}$	$-1.784 \cdot 10^{-8}$	0	$1.121 \cdot 10^{-7}$	$1.121 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-7.607 \cdot 10^{-5}$	$-7.607 \cdot 10^{-5}$	0	$1.902 \cdot 10^{-5}$	$1.902 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$6.18 \cdot 10^{-5}$	$6.18 \cdot 10^{-5}$	0	$6.49 \cdot 10^{-6}$	$6.49 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$-1.681 \cdot 10^{-5}$	$-1.681 \cdot 10^{-5}$	0	$3.271 \cdot 10^{-6}$	$3.271 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	0.04018	0.04018	0	0.01417	0.01417	0
$b\bar{b} \rightarrow d\bar{d}$	-0.0001015	-0.0001015	0	$4.624 \cdot 10^{-5}$	$4.624 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow t\bar{t}$	$-8.284 \cdot 10^{-5}$	$-8.284 \cdot 10^{-5}$	0	$4.812 \cdot 10^{-6}$	$4.812 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow u\bar{u}$	-0.0001174	-0.0001174	0	$5.813 \cdot 10^{-6}$	$5.813 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow c\bar{c}$	-0.000146	-0.000146	0	$6.686 \cdot 10^{-6}$	$6.686 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow e^+e^-$	$3.815 \cdot 10^{-5}$	$3.815 \cdot 10^{-5}$	0	$4.585 \cdot 10^{-6}$	$4.585 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	$-4.313 \cdot 10^{-5}$	$-4.313 \cdot 10^{-5}$	0	$8.39 \cdot 10^{-6}$	$8.39 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.00112	0.00112	0	0.0003006	0.0003006	0
$t\bar{t} \rightarrow d\bar{d}$	$-1.122 \cdot 10^{-5}$	$-1.122 \cdot 10^{-5}$	0	$9.545 \cdot 10^{-6}$	$9.545 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	$7.719 \cdot 10^{-5}$	$7.719 \cdot 10^{-5}$	0	$2.803 \cdot 10^{-5}$	$2.803 \cdot 10^{-5}$	0
$u\bar{d} \rightarrow u\bar{d}$	0.0001508	0.0001508	0	0.000386	0.000386	0

2.44 cpe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow ze^+e^-$	$-2.403 \cdot 10^{-7}$	$-2.403 \cdot 10^{-7}$	0	$3.92 \cdot 10^{-7}$	$3.92 \cdot 10^{-7}$	0
$d\bar{d} \rightarrow e^+e^-$	$-7.623 \cdot 10^{-5}$	$-7.623 \cdot 10^{-5}$	0	$1.225 \cdot 10^{-5}$	$1.225 \cdot 10^{-5}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.004699	-0.004699	0	0.0003047	0.0003047	0

$e^+\nu_e \rightarrow e^+\nu_e$	-0.05025	-0.05025	0	0.003259	0.003259	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.00666	-0.00666	0	0.001374	0.001374	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.00016	0.00016	0	$1.079 \cdot 10^{-5}$	$1.079 \cdot 10^{-5}$	0
$e^+e^- \rightarrow e^+e^-$	0.008275	0.008275	0	0.0007952	0.0007952	0

2.45 cpl1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow z\nu_e\bar{\nu}_e$	$-2.154 \cdot 10^{-6}$	$-2.154 \cdot 10^{-6}$	0	$4.98 \cdot 10^{-6}$	$4.98 \cdot 10^{-6}$	0
$HH \rightarrow ze^+e^-$	$1.296 \cdot 10^{-7}$	$1.296 \cdot 10^{-7}$	0	$3.673 \cdot 10^{-7}$	$3.673 \cdot 10^{-7}$	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	-0.000917	-0.000917	0	$2.78 \cdot 10^{-5}$	$2.78 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$-4.003 \cdot 10^{-5}$	$-4.003 \cdot 10^{-5}$	0	$1.214 \cdot 10^{-6}$	$1.214 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow e^+e^-$	0.0001785	0.0001785	0	$6.821 \cdot 10^{-6}$	$6.821 \cdot 10^{-6}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0.04833	0.04833	0	0.002751	0.002751	0
$e^+\nu_e \rightarrow e^+\nu_e$	-0.0006602	-0.0006602	0	$2.606 \cdot 10^{-5}$	$2.606 \cdot 10^{-5}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	0.01346	0.01346	0	0.001086	0.001086	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.001001	0.001001	0	$1.646 \cdot 10^{-5}$	$1.646 \cdot 10^{-5}$	0
$e^+e^- \rightarrow e^+e^-$	-0.00233	-0.00233	0	$7.099 \cdot 10^{-5}$	$7.099 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	$-6.314 \cdot 10^{-5}$	$-6.314 \cdot 10^{-5}$	0	$1.914 \cdot 10^{-6}$	$1.914 \cdot 10^{-6}$	0

2.46 cpl2

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H z \rightarrow \mu^+\mu^-$	0.04755	0.04755	0	0.3255	0.3255	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.000734	0.000734	0	$1.3 \cdot 10^{-5}$	$1.3 \cdot 10^{-5}$	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	-0.0005341	-0.0005341	0	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	0.0001677	0.0001677	0	$6.438 \cdot 10^{-6}$	$6.438 \cdot 10^{-6}$	0

$c\bar{c} \rightarrow \mu^+\mu^-$	$1.854 \cdot 10^{-5}$	$1.854 \cdot 10^{-5}$	0	$2.265 \cdot 10^{-6}$	$2.265 \cdot 10^{-6}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.0005013	-0.0005013	0	$1.52 \cdot 10^{-5}$	$1.52 \cdot 10^{-5}$	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.001099	0.001099	0	$1.791 \cdot 10^{-5}$	$1.791 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	-0.0001463	-0.0001463	0	$4.433 \cdot 10^{-6}$	$4.433 \cdot 10^{-6}$	0

2.47 cpl3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.01376	-0.01376	0	0.05015	0.05015	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.0003624	0.0003624	0	$9.64 \cdot 10^{-6}$	$9.64 \cdot 10^{-6}$	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	-3.745	-3.745	0	0.2271	0.2271	0
$e^+\tau^- \rightarrow e^+\tau^-$	0.006176	0.006176	0	0.0006334	0.0006334	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.000248	-0.000248	0	$7.519 \cdot 10^{-6}$	$7.519 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0001137	0.0001137	0	$3.525 \cdot 10^{-6}$	$3.525 \cdot 10^{-6}$	0

2.48 cpmu

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H z \rightarrow \mu^+\mu^-$	-0.04173	-0.04173	0	0.3255	0.3255	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.0005945	-0.0005945	0	$1.039 \cdot 10^{-5}$	$1.039 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-2.931 \cdot 10^{-5}$	$-2.931 \cdot 10^{-5}$	0	$2.668 \cdot 10^{-6}$	$2.668 \cdot 10^{-6}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	$1.841 \cdot 10^{-5}$	$1.841 \cdot 10^{-5}$	0	$5.129 \cdot 10^{-6}$	$5.129 \cdot 10^{-6}$	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.0009005	-0.0009005	0	$1.382 \cdot 10^{-5}$	$1.382 \cdot 10^{-5}$	0

2.49 cpqi

interference square

	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z c \bar{c}$	-0.001184	-0.001184	0	0.0002231	0.0002231	0
$HH \rightarrow z d \bar{d}$	$9.954 \cdot 10^{-7}$	$9.954 \cdot 10^{-7}$	0	$2.842 \cdot 10^{-6}$	$2.842 \cdot 10^{-6}$	0
$H z \rightarrow s \bar{s}$	0.1402	0.1402	0	0.6054	0.6054	0
$H z \rightarrow u \bar{u}$	-0.05697	-0.05697	0	0.3017	0.3017	0
$W^+ W^- \rightarrow H c \bar{c}$	$-1.04 \cdot 10^{-6}$	$-1.04 \cdot 10^{-6}$	0	$1.027 \cdot 10^{-6}$	$1.027 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$2.041 \cdot 10^{-9}$	$2.041 \cdot 10^{-9}$	0	$8.525 \cdot 10^{-8}$	$8.525 \cdot 10^{-8}$	0
$b \bar{b} \rightarrow d \bar{d}$	0.0002725	0.0002725	0	$9.182 \cdot 10^{-6}$	$9.182 \cdot 10^{-6}$	0
$b \bar{b} \rightarrow u \bar{u}$	-0.0006232	-0.0006232	0	$2.185 \cdot 10^{-5}$	$2.185 \cdot 10^{-5}$	0
$c \bar{c} \rightarrow \mu^+ \mu^-$	-0.0001421	-0.0001421	0	$3.464 \cdot 10^{-6}$	$3.464 \cdot 10^{-6}$	0
$d \bar{d} \rightarrow c \bar{c}$	$-7.242 \cdot 10^{-5}$	$-7.242 \cdot 10^{-5}$	0	$2.09 \cdot 10^{-6}$	$2.09 \cdot 10^{-6}$	0
$d \bar{d} \rightarrow e^+ e^-$	0.000165	0.000165	0	$4.105 \cdot 10^{-6}$	$4.105 \cdot 10^{-6}$	0
$s \bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	0.0003002	0.0003002	0	$1.078 \cdot 10^{-5}$	$1.078 \cdot 10^{-5}$	0
$s \bar{s} \rightarrow s \bar{s}$	-0.02039	-0.02039	0	0.0002704	0.0002704	0
$t \bar{t} \rightarrow c \bar{c}$	-0.0004147	-0.0004147	0	$1.207 \cdot 10^{-5}$	$1.207 \cdot 10^{-5}$	0
$t \bar{t} \rightarrow d \bar{d}$	0.0003272	0.0003272	0	$1.011 \cdot 10^{-5}$	$1.011 \cdot 10^{-5}$	0
$t \bar{t} \rightarrow s \bar{s}$	0.0001803	0.0001803	0	$6.771 \cdot 10^{-6}$	$6.771 \cdot 10^{-6}$	0
$u \bar{d} \rightarrow u \bar{d}$	0.0001138	0.0001138	0	$1.624 \cdot 10^{-5}$	$1.624 \cdot 10^{-5}$	0
$u \bar{u} \rightarrow \nu_e \bar{\nu}_e$	-0.0001866	-0.0001866	0	$8.218 \cdot 10^{-6}$	$8.218 \cdot 10^{-6}$	0
$u \bar{u} \rightarrow u \bar{u}$	-0.4618	-0.4618	0	0.07122	0.07122	0

2.50 cpt

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z t \bar{t}$	$-8.09 \cdot 10^{-5}$	$-8.09 \cdot 10^{-5}$	0	$3.118 \cdot 10^{-5}$	$3.118 \cdot 10^{-5}$	0
$H z \rightarrow t \bar{t}$	-2.211	-2.211	0	1.384	1.384	0
$W^+ W^- \rightarrow H t \bar{t}$	$-7.957 \cdot 10^{-6}$	$-7.957 \cdot 10^{-6}$	0	$4.334 \cdot 10^{-6}$	$4.334 \cdot 10^{-6}$	0
$b \bar{b} \rightarrow t \bar{t}$	-0.001088	-0.001088	0	$9.586 \cdot 10^{-6}$	$9.586 \cdot 10^{-6}$	0

$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	0.0001782	0.0001782	0	$1.886 \cdot 10^{-5}$	$1.886 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$5.098 \cdot 10^{-5}$	$5.098 \cdot 10^{-5}$	0	$3.073 \cdot 10^{-6}$	$3.073 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	$3.815 \cdot 10^{-5}$	$3.815 \cdot 10^{-5}$	0	$8.786 \cdot 10^{-6}$	$8.786 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow d\bar{d}$	$3.035 \cdot 10^{-5}$	$3.035 \cdot 10^{-5}$	0	$1.308 \cdot 10^{-5}$	$1.308 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	$5.577 \cdot 10^{-5}$	$5.577 \cdot 10^{-5}$	0	$2.15 \cdot 10^{-5}$	$2.15 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	-0.7902	-0.7902	0	0.01997	0.01997	0

2.51 cpta

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	-0.0008625	-0.0008625	0	$1.331 \cdot 10^{-5}$	$1.331 \cdot 10^{-5}$	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	0.000924	0.000924	0	$3.789 \cdot 10^{-5}$	$3.789 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-3.171 \cdot 10^{-5}$	$-3.171 \cdot 10^{-5}$	0	$2.528 \cdot 10^{-6}$	$2.528 \cdot 10^{-6}$	0

2.52 cpu

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow z c \bar{c}$	$1.401 \cdot 10^{-5}$	$1.401 \cdot 10^{-5}$	0	$7.993 \cdot 10^{-5}$	$7.993 \cdot 10^{-5}$	0
$H z \rightarrow u \bar{u}$	0.06847	0.06847	0	0.801	0.801	0
$W^+ W^- \rightarrow H c \bar{c}$	$3.802 \cdot 10^{-8}$	$3.802 \cdot 10^{-8}$	0	$3.645 \cdot 10^{-8}$	$3.645 \cdot 10^{-8}$	0
$b \bar{b} \rightarrow u \bar{u}$	$6.163 \cdot 10^{-5}$	$6.163 \cdot 10^{-5}$	0	$1.953 \cdot 10^{-6}$	$1.953 \cdot 10^{-6}$	0
$c \bar{c} \rightarrow \mu^+ \mu^-$	0.0001115	0.0001115	0	$3.227 \cdot 10^{-6}$	$3.227 \cdot 10^{-6}$	0
$d \bar{d} \rightarrow c \bar{c}$	$7.304 \cdot 10^{-5}$	$7.304 \cdot 10^{-5}$	0	$1.676 \cdot 10^{-6}$	$1.676 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c \bar{c}$	0.0001703	0.0001703	0	$5.195 \cdot 10^{-6}$	$5.195 \cdot 10^{-6}$	0
$u \bar{d} \rightarrow u \bar{d}$	0.002446	0.002446	0	0.000536	0.000536	0
$u \bar{u} \rightarrow \nu_e \bar{\nu}_e$	$1.482 \cdot 10^{-5}$	$1.482 \cdot 10^{-5}$	0	$1.442 \cdot 10^{-6}$	$1.442 \cdot 10^{-6}$	0
$u \bar{u} \rightarrow u \bar{u}$	-0.0007864	-0.0007864	0	0.0001333	0.0001333	0

2.53 ctB

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow zt\bar{t}$	$1.141 \cdot 10^{-6}$	$1.141 \cdot 10^{-6}$	0	$2.021 \cdot 10^{-5}$	$2.021 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.416 \cdot 10^{-7}$	$-1.416 \cdot 10^{-7}$	0	$2.514 \cdot 10^{-6}$	$2.514 \cdot 10^{-6}$	0
$H\gamma \rightarrow t\bar{t}$	-1.672	-1.672	0	0.4775	0.4775	0
$HZ \rightarrow t\bar{t}$	0.1194	0.1194	0	0.2853	0.2853	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.882 \cdot 10^{-7}$	$2.882 \cdot 10^{-7}$	0	$1.714 \cdot 10^{-8}$	$1.714 \cdot 10^{-8}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.002535	-0.002535	0	0.0008426	0.0008426	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.0007819	-0.0007819	0	0.0006727	0.0006727	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	0.001455	0.001455	0	0.001291	0.001291	0
$t\bar{t} \rightarrow c\bar{c}$	0.002493	0.002493	0	0.004084	0.004084	0
$t\bar{t} \rightarrow d\bar{d}$	0.0002713	0.0002713	0	0.0006783	0.0006783	0
$t\bar{t} \rightarrow s\bar{s}$	-0.0003596	-0.0003596	0	0.0011	0.0011	0
$t\bar{t} \rightarrow t\bar{t}$	-0.02957	-0.02957	0	0.03632	0.03632	0

2.54 ctG

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	-0.6526	-0.6526	$2.452 \cdot 10^{-7}$	0.02114	0.02114	$5.205 \cdot 10^{-7}$
$gg \rightarrow t\bar{t}$	0.3798	0.3798	$2.369 \cdot 10^{-7}$	0.1533	0.1533	$4.566 \cdot 10^{-7}$
$t\bar{t} \rightarrow c\bar{c}$	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.05115	0.05115	$4.888 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.06505	0.06505	$5.073 \cdot 10^{-7}$
$t\bar{t} \rightarrow s\bar{s}$	0.2406	0.2406	$2.493 \cdot 10^{-7}$	0.05042	0.05042	$5.157 \cdot 10^{-7}$
$t\bar{t} \rightarrow t\bar{t}$	0.1716	0.1716	$2.331 \cdot 10^{-7}$	0.1635	0.1635	$4.892 \cdot 10^{-7}$

2.55 ctW

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$3.039 \cdot 10^{-5}$	$3.039 \cdot 10^{-5}$	0	$8.071 \cdot 10^{-6}$	$8.071 \cdot 10^{-6}$	0
$HH \rightarrow z t \bar{t}$	$3.65 \cdot 10^{-6}$	$3.65 \cdot 10^{-6}$	0	$3.42 \cdot 10^{-5}$	$3.42 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t \bar{b}$	$1.907 \cdot 10^{-6}$	$1.907 \cdot 10^{-6}$	0	$5.266 \cdot 10^{-6}$	$5.266 \cdot 10^{-6}$	0
$HW^- \rightarrow \bar{t}b$	-0.1795	-0.1795	0	1.57	1.57	0
$H\gamma \rightarrow t \bar{t}$	-0.1427	-0.1427	0	0.8437	0.8437	0
$H z \rightarrow t \bar{t}$	-0.03444	-0.03444	0	2.817	2.817	0
$W^+ W^- \rightarrow H b \bar{b}$	$-5.329 \cdot 10^{-5}$	$-5.329 \cdot 10^{-5}$	0	$1.314 \cdot 10^{-5}$	$1.314 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$3.33 \cdot 10^{-6}$	$3.33 \cdot 10^{-6}$	0	$6.874 \cdot 10^{-5}$	$6.874 \cdot 10^{-5}$	0
$\bar{b}t \rightarrow \bar{d}u$	0.007664	0.007664	0	0.01317	0.01317	0
$b\bar{b} \rightarrow t \bar{t}$	-0.1176	-0.1176	0	0.2054	0.2054	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0.004269	0.004269	0	0.003312	0.003312	0
$t \bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.0006006	-0.0006006	0	0.001424	0.001424	0
$t \bar{t} \rightarrow \tau^+ \tau^-$	0.002829	0.002829	0	0.001341	0.001341	0
$t \bar{t} \rightarrow c \bar{c}$	0.00611	0.00611	0	0.006964	0.006964	0
$t \bar{t} \rightarrow d \bar{d}$	0.004872	0.004872	0	0.007055	0.007055	0
$t \bar{t} \rightarrow s \bar{s}$	0.001491	0.001491	0	0.006329	0.006329	0
$t \bar{t} \rightarrow t \bar{t}$	-0.1925	-0.1925	0	0.1793	0.1793	0

2.56 ctd1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t \bar{t}$	-0.02801	-0.02801	0	0.4833	0.4833	0
$t \bar{t} \rightarrow d \bar{d}$	-0.02544	-0.02544	0	0.4383	0.4383	0
$t \bar{t} \rightarrow s \bar{s}$	-0.005272	-0.005272	0	0.08509	0.08509	0

2.57 ctd8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	0.3377	0.3377	0	0.1074	0.1074	0
$t\bar{t} \rightarrow d\bar{d}$	0.3081	0.3081	0	0.0974	0.0974	0
$t\bar{t} \rightarrow s\bar{s}$	0.07551	0.07551	0	0.01891	0.01891	0

2.58 ctl2

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.02125	-0.02125	0	0.2683	0.2683	0

2.59 ctl3

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.003057	-0.003057	0	0.008991	0.008991	0

2.60 ctp

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Ht\bar{t}$	$-1.941 \cdot 10^{-5}$	$-1.941 \cdot 10^{-5}$	0	$1.276 \cdot 10^{-5}$	$1.276 \cdot 10^{-5}$	0
$HH \rightarrow W^+ t\bar{b}$	0.0003236	0.0003236	0	$7.441 \cdot 10^{-6}$	$7.441 \cdot 10^{-6}$	0
$HH \rightarrow zt\bar{t}$	$-1.017 \cdot 10^{-5}$	$-1.017 \cdot 10^{-5}$	0	$2.37 \cdot 10^{-6}$	$2.37 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$4.628 \cdot 10^{-8}$	$4.628 \cdot 10^{-8}$	0	$1.131 \cdot 10^{-7}$	$1.131 \cdot 10^{-7}$	0

$HW^- \rightarrow t\bar{b}$	0.008054	0.008054	0	0.04944	0.04944	0
$H\gamma \rightarrow t\bar{t}$	-0.07363	-0.07363	0	0.002259	0.002259	0
$HZ \rightarrow t\bar{t}$	0.0004494	0.0004494	0	0.06862	0.06862	0
$W^+W^- \rightarrow Hb\bar{b}$	$1.43 \cdot 10^{-6}$	$1.43 \cdot 10^{-6}$	0	$1.423 \cdot 10^{-7}$	$1.423 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-6.274 \cdot 10^{-7}$	$-6.274 \cdot 10^{-7}$	0	$4.773 \cdot 10^{-7}$	$4.773 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow t\bar{t}$	1.067	1.067	0	0.01568	0.01568	0

2.61 ctq1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow c\bar{c}$	0.009029	0.009029	0	0.09168	0.09168	0
$t\bar{t} \rightarrow d\bar{d}$	0.00954	0.00954	0	0.5357	0.5357	0
$t\bar{t} \rightarrow s\bar{s}$	-0.001955	-0.001955	0	0.1406	0.1406	0

2.62 ctq8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow c\bar{c}$	0.1459	0.1459	0	0.04268	0.04268	0
$t\bar{t} \rightarrow d\bar{d}$	0.1852	0.1852	0	0.05592	0.05592	0
$t\bar{t} \rightarrow s\bar{s}$	0.2988	0.2988	0	0.09426	0.09426	0

2.63 ctt1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow t\bar{t}$	-54.78	-54.78	0	31.79	31.79	0

2.64 cttt

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.0007195	-0.0007195	0	0.001783	0.001783	0

2.65 ctu1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow c\bar{c}$	0.03546	0.03546	0	0.592	0.592	0

2.66 ctu8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow c\bar{c}$	0.2751	0.2751	0	0.1594	0.1594	0

2.67 sm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow HH$	0	0	0	0.09961	0.09961	0
$HH \rightarrow HHH$	0	0	0	$6.023 \cdot 10^{-7}$	$6.023 \cdot 10^{-7}$	0
$HH \rightarrow Ht\bar{t}$	0	0	0	$4.769 \cdot 10^{-6}$	$4.769 \cdot 10^{-6}$	0
$HH \rightarrow Hzz$	0	0	0	$9.017 \cdot 10^{-6}$	$9.017 \cdot 10^{-6}$	0
$HH \rightarrow W^+W^-$	0	0	0	0.1088	0.1088	0
$HH \rightarrow W^+W^-\gamma$	0	0	0	$8.343 \cdot 10^{-6}$	$8.343 \cdot 10^{-6}$	0

$HH \rightarrow W^+ \bar{t}b$	0	0	0	$2.134 \cdot 10^{-5}$	$2.134 \cdot 10^{-5}$	0
$HH \rightarrow W^+ e^- \bar{\nu}_e$	0	0	0	$1.54 \cdot 10^{-7}$	$1.54 \cdot 10^{-7}$	0
$HH \rightarrow W^- u \bar{d}$	0	0	0	0.003286	0.003286	0
$HH \rightarrow z \bar{b}b$	0	0	0	$2.162 \cdot 10^{-6}$	$2.162 \cdot 10^{-6}$	0
$HH \rightarrow z \nu_e \bar{\nu}_e$	0	0	0	$1.488 \cdot 10^{-7}$	$1.488 \cdot 10^{-7}$	0
$HH \rightarrow z c \bar{c}$	0	0	0	$3.599 \cdot 10^{-7}$	$3.599 \cdot 10^{-7}$	0
$HH \rightarrow z d \bar{d}$	0	0	0	$2.845 \cdot 10^{-7}$	$2.845 \cdot 10^{-7}$	0
$HH \rightarrow z e^+ e^-$	0	0	0	$8.458 \cdot 10^{-8}$	$8.458 \cdot 10^{-8}$	0
$HH \rightarrow z t \bar{t}$	0	0	0	$1.186 \cdot 10^{-5}$	$1.186 \cdot 10^{-5}$	0
$HH \rightarrow z z$	0	0	0	0.07603	0.07603	0
$HW^+ \rightarrow \gamma t \bar{b}$	0	0	0	$1.05 \cdot 10^{-6}$	$1.05 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma u \bar{d}$	0	0	0	$1.825 \cdot 10^{-7}$	$1.825 \cdot 10^{-7}$	0
$HW^+ \rightarrow u \bar{d}$	0	0	0	0.02117	0.02117	0
$HW^- \rightarrow \bar{t}b$	0	0	0	0.06378	0.06378	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	0	0	0	$4.056 \cdot 10^{-9}$	$4.056 \cdot 10^{-9}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	0	0	0	0.001773	0.001773	0
$H\gamma \rightarrow t \bar{t}$	0	0	0	3.148	3.148	0
$H z \rightarrow \mu^+ \mu^-$	0	0	0	0.0008724	0.0008724	0
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	0	0	0	0.006432	0.006432	0
$H z \rightarrow b \bar{b}$	0	0	0	0.009754	0.009754	0
$H z \rightarrow s \bar{s}$	0	0	0	0.0111	0.0111	0
$H z \rightarrow t \bar{t}$	0	0	0	8.635	8.635	0
$H z \rightarrow u \bar{u}$	0	0	0	0.009354	0.009354	0
$W^+ W^- \rightarrow H b \bar{b}$	0	0	0	0.0004872	0.0004872	0
$W^+ W^- \rightarrow H c \bar{c}$	0	0	0	$7.088 \cdot 10^{-7}$	$7.088 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H d \bar{d}$	0	0	0	$1.034 \cdot 10^{-6}$	$1.034 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H t \bar{t}$	0	0	0	$6.524 \cdot 10^{-5}$	$6.524 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow W^+ W^-$	0	0	0	97.84	97.84	0
$W^+ W^- \rightarrow \gamma \gamma$	0	0	0	13.12	13.12	0

$W^+W^- \rightarrow \gamma\gamma\gamma$	0	0	0	$9.805 \cdot 10^{-7}$	$9.805 \cdot 10^{-7}$	0
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	$2.601 \cdot 10^{-6}$	$2.601 \cdot 10^{-6}$	0
$\gamma W^+ \rightarrow zW^+$	0	0	0	0.5795	0.5795	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0	0	0	0.006681	0.006681	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.6778	0.6778	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.01427	0.01427	0
$b\bar{b} \rightarrow \gamma\gamma$	0	0	0	$8.347 \cdot 10^{-5}$	$8.347 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	0	0	0	0.0003779	0.0003779	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	0	0	0	0.002223	0.002223	0
$b\bar{b} \rightarrow b\bar{b}$	0	0	0	25.03	25.03	0
$b\bar{b} \rightarrow d\bar{d}$	0	0	0	0.5312	0.5312	0
$b\bar{b} \rightarrow t\bar{t}$	0	0	0	0.4027	0.4027	0
$b\bar{b} \rightarrow u\bar{u}$	0	0	0	0.5344	0.5344	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0	0	0	0.0002446	0.0002446	0
$c\bar{c} \rightarrow \mu^+\mu^-$	0	0	0	0.0007323	0.0007323	0
$c\bar{s} \rightarrow \tau^+\nu_\tau$	0	0	0	0.002594	0.002594	0
$d\bar{d} \rightarrow c\bar{c}$	0	0	0	0.708	0.708	0
$d\bar{d} \rightarrow e^+e^-$	0	0	0	0.0003018	0.0003018	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0	0	0	0.02477	0.02477	0
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	0	0	0	0.01526	0.01526	0
$e^+\nu_e \rightarrow e^+\nu_e$	0	0	0	0.5721	0.5721	0
$e^+\tau^- \rightarrow e^+\tau^-$	0	0	0	1.702	1.702	0
$e^+e^- \rightarrow \mu^+\mu^-$	0	0	0	0.007396	0.007396	0
$e^+e^- \rightarrow e^+e^-$	0	0	0	0.2802	0.2802	0
$gg \rightarrow gg$	0	0	0	36.02	36.02	0
$gg \rightarrow ggg$	0	0	0	0.0149	0.0149	0
$gg \rightarrow t\bar{t}$	0	0	0	4.817	4.817	0
$gg \rightarrow u\bar{u}$	0	0	0	5.364	5.364	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.004544	0.004544	0

$s\bar{s} \rightarrow s\bar{s}$	0	0	0	10.38	10.38	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	0	0	0	0.001517	0.001517	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	0	0	0	0.0008566	0.0008566	0
$t\bar{t} \rightarrow c\bar{c}$	0	0	0	0.6104	0.6104	0
$t\bar{t} \rightarrow d\bar{d}$	0	0	0	0.847	0.847	0
$t\bar{t} \rightarrow s\bar{s}$	0	0	0	0.6642	0.6642	0
$t\bar{t} \rightarrow t\bar{t}$	0	0	0	0.5576	0.5576	0
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	0	0	0	0.008357	0.008357	0
$u\bar{d} \rightarrow c\bar{s}$	0	0	0	$5.563 \cdot 10^{-5}$	$5.563 \cdot 10^{-5}$	0
$u\bar{d} \rightarrow u\bar{d}$	0	0	0	2.116	2.116	0
$u\bar{u} \rightarrow \nu_e \bar{\nu}_e$	0	0	0	0.0005208	0.0005208	0
$u\bar{u} \rightarrow u\bar{u}$	0	0	0	45.27	45.27	0
$zz \rightarrow W^+ W^-$	0	0	0	30.71	30.71	0
$zz \rightarrow zz$	0	0	0	0.08102	0.08102	0