

1 By process

1.1 $HH \rightarrow HH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	-1.385	-1.385	0	2.164	2.164	0
cHDD	-0.114	-0.114	0	0.01481	0.01481	0
cH1311	-0.02519	-0.02519	0	0.0007635	0.0007635	0
cH1322	-0.01114	-0.01114	0	0.0003378	0.0003378	0
c111221	0.009196	0.009196	0	0.0001394	0.0001394	0
sm	0	0	0	0.1767	0.1767	0

1.2 $HH \rightarrow HHH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.018 \cdot 10^{-5}$	$1.018 \cdot 10^{-5}$	0	$1.724 \cdot 10^{-5}$	$1.724 \cdot 10^{-5}$	0
cHDD	$6.973 \cdot 10^{-7}$	$6.973 \cdot 10^{-7}$	0	$3.68 \cdot 10^{-7}$	$3.68 \cdot 10^{-7}$	0
cH1311	$-1.796 \cdot 10^{-7}$	$-1.796 \cdot 10^{-7}$	0	$8.164 \cdot 10^{-9}$	$8.164 \cdot 10^{-9}$	0
cH1322	$-7.446 \cdot 10^{-8}$	$-7.446 \cdot 10^{-8}$	0	$3.385 \cdot 10^{-9}$	$3.385 \cdot 10^{-9}$	0
c111221	$1.778 \cdot 10^{-8}$	$1.778 \cdot 10^{-8}$	0	$4.043 \cdot 10^{-10}$	$4.043 \cdot 10^{-10}$	0
sm	0	0	0	$1.321 \cdot 10^{-8}$	$1.321 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-4.246 \cdot 10^{-10}$	$-4.246 \cdot 10^{-10}$	0	$8.57 \cdot 10^{-10}$	$8.57 \cdot 10^{-10}$	0

cHDD	$2.142 \cdot 10^{-12}$	$2.142 \cdot 10^{-12}$	0	$3.966 \cdot 10^{-12}$	$3.966 \cdot 10^{-12}$	0
cH1311	$-5.522 \cdot 10^{-12}$	$-5.522 \cdot 10^{-12}$	0	$2.511 \cdot 10^{-13}$	$2.511 \cdot 10^{-13}$	0
cH1322	$-9.779 \cdot 10^{-12}$	$-9.779 \cdot 10^{-12}$	0	$4.446 \cdot 10^{-13}$	$4.446 \cdot 10^{-13}$	0
ceHIm33	$1.935 \cdot 10^{-10}$	$1.935 \cdot 10^{-10}$	0	$2.168 \cdot 10^{-6}$	$2.168 \cdot 10^{-6}$	0
ceHRe33	$-1.273 \cdot 10^{-8}$	$-1.273 \cdot 10^{-8}$	0	$1.296 \cdot 10^{-7}$	$1.296 \cdot 10^{-7}$	0
c111221	$2.405 \cdot 10^{-11}$	$2.405 \cdot 10^{-11}$	0	$5.468 \cdot 10^{-13}$	$5.468 \cdot 10^{-13}$	0
sm	0	0	0	$1.661 \cdot 10^{-10}$	$1.661 \cdot 10^{-10}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-6.963 \cdot 10^{-9}$	$-6.963 \cdot 10^{-9}$	0	$1.334 \cdot 10^{-8}$	$1.334 \cdot 10^{-8}$	0
cHDD	$-2.801 \cdot 10^{-11}$	$-2.801 \cdot 10^{-11}$	0	$1.234 \cdot 10^{-13}$	$1.234 \cdot 10^{-13}$	0
cH1311	$-4.783 \cdot 10^{-11}$	$-4.783 \cdot 10^{-11}$	0	$2.175 \cdot 10^{-12}$	$2.175 \cdot 10^{-12}$	0
cH1322	$-3.271 \cdot 10^{-11}$	$-3.271 \cdot 10^{-11}$	0	$1.487 \cdot 10^{-12}$	$1.487 \cdot 10^{-12}$	0
cbHIm	$1.005 \cdot 10^{-10}$	$1.005 \cdot 10^{-10}$	0	$3.568 \cdot 10^{-6}$	$3.568 \cdot 10^{-6}$	0
cbHRe	$-2.03 \cdot 10^{-8}$	$-2.03 \cdot 10^{-8}$	0	$4.58 \cdot 10^{-7}$	$4.58 \cdot 10^{-7}$	0
c111221	$3.585 \cdot 10^{-10}$	$3.585 \cdot 10^{-10}$	0	$8.15 \cdot 10^{-12}$	$8.15 \cdot 10^{-12}$	0
sm	0	0	0	$6.829 \cdot 10^{-9}$	$6.829 \cdot 10^{-9}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-4.134 \cdot 10^{-10}$	$-4.134 \cdot 10^{-10}$	0	$6.452 \cdot 10^{-10}$	$6.452 \cdot 10^{-10}$	0
cHDD	$-3.476 \cdot 10^{-13}$	$-3.476 \cdot 10^{-13}$	0	$1.25 \cdot 10^{-13}$	$1.25 \cdot 10^{-13}$	0
cH1311	$-2.096 \cdot 10^{-13}$	$-2.096 \cdot 10^{-13}$	0	$9.53 \cdot 10^{-15}$	$9.53 \cdot 10^{-15}$	0
cH1322	$-2.042 \cdot 10^{-13}$	$-2.042 \cdot 10^{-13}$	0	$9.283 \cdot 10^{-15}$	$9.283 \cdot 10^{-15}$	0

cdHIm	$2.18 \cdot 10^{-18}$	$2.18 \cdot 10^{-18}$	$3.211 \cdot 10^{-7}$	$6.192 \cdot 10^{-13}$	$6.192 \cdot 10^{-13}$	$6.299 \cdot 10^{-7}$
cdHRe	$-2.641 \cdot 10^{-12}$	$-2.641 \cdot 10^{-12}$	$3.029 \cdot 10^{-7}$	$1.513 \cdot 10^{-12}$	$1.513 \cdot 10^{-12}$	$6.607 \cdot 10^{-7}$
cll1221	$4.089 \cdot 10^{-11}$	$4.089 \cdot 10^{-11}$	0	$9.296 \cdot 10^{-13}$	$9.296 \cdot 10^{-13}$	0
sm	0	0	0	$3.778 \cdot 10^{-12}$	$3.778 \cdot 10^{-12}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.675 \cdot 10^{-5}$	$1.675 \cdot 10^{-5}$	0	$1.814 \cdot 10^{-5}$	$1.814 \cdot 10^{-5}$	0
cHDD	$-7.031 \cdot 10^{-6}$	$-7.031 \cdot 10^{-6}$	0	$1.125 \cdot 10^{-6}$	$1.125 \cdot 10^{-6}$	0
cHl311	$-1.196 \cdot 10^{-5}$	$-1.196 \cdot 10^{-5}$	0	$5.437 \cdot 10^{-7}$	$5.437 \cdot 10^{-7}$	0
cHl322	$-1.896 \cdot 10^{-7}$	$-1.896 \cdot 10^{-7}$	0	$8.622 \cdot 10^{-9}$	$8.622 \cdot 10^{-9}$	0
cll1221	$1.38 \cdot 10^{-6}$	$1.38 \cdot 10^{-6}$	0	$3.137 \cdot 10^{-8}$	$3.137 \cdot 10^{-8}$	0
ctHIm	$2.54 \cdot 10^{-6}$	$2.54 \cdot 10^{-6}$	0	$4.589 \cdot 10^{-5}$	$4.589 \cdot 10^{-5}$	0
ctHRe	$1.993 \cdot 10^{-5}$	$1.993 \cdot 10^{-5}$	0	$1.79 \cdot 10^{-5}$	$1.79 \cdot 10^{-5}$	0
sm	0	0	0	$1.632 \cdot 10^{-5}$	$1.632 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-2.619 \cdot 10^{-15}$	$-2.619 \cdot 10^{-15}$	0	$6.799 \cdot 10^{-15}$	$6.799 \cdot 10^{-15}$	0
cHDD	$-1.422 \cdot 10^{-16}$	$-1.422 \cdot 10^{-16}$	0	$6.311 \cdot 10^{-17}$	$6.311 \cdot 10^{-17}$	0
cHl311	$-1.693 \cdot 10^{-17}$	$-1.693 \cdot 10^{-17}$	0	$7.698 \cdot 10^{-19}$	$7.698 \cdot 10^{-19}$	0
cHl322	$-3.197 \cdot 10^{-17}$	$-3.197 \cdot 10^{-17}$	0	$1.454 \cdot 10^{-18}$	$1.454 \cdot 10^{-18}$	0
cll1221	$1.602 \cdot 10^{-16}$	$1.602 \cdot 10^{-16}$	0	$3.641 \cdot 10^{-18}$	$3.641 \cdot 10^{-18}$	0
cuHIm	$3.035 \cdot 10^{-25}$	$3.035 \cdot 10^{-25}$	$-4.283 \cdot 10^{-7}$	$3.395 \cdot 10^{-16}$	$3.395 \cdot 10^{-16}$	$-1.443 \cdot 10^{-6}$
cuHRe	$-4.967 \cdot 10^{-16}$	$-4.967 \cdot 10^{-16}$	$-7.248 \cdot 10^{-7}$	$6.625 \cdot 10^{-16}$	$6.625 \cdot 10^{-16}$	$-1.449 \cdot 10^{-6}$

sm	0	0	0	$3.264 \cdot 10^{-16}$	$3.264 \cdot 10^{-16}$	0
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1.8 $HH \rightarrow Hzz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$8.565 \cdot 10^{-6}$	$8.565 \cdot 10^{-6}$	0	$1.753 \cdot 10^{-5}$	$1.753 \cdot 10^{-5}$	0
cHB	$5.554 \cdot 10^{-8}$	$5.554 \cdot 10^{-8}$	0	$4.852 \cdot 10^{-7}$	$4.852 \cdot 10^{-7}$	0
cHBtil	$1.74 \cdot 10^{-7}$	$1.74 \cdot 10^{-7}$	0	$9.257 \cdot 10^{-7}$	$9.257 \cdot 10^{-7}$	0
cHDD	$2.328 \cdot 10^{-6}$	$2.328 \cdot 10^{-6}$	0	$1.396 \cdot 10^{-6}$	$1.396 \cdot 10^{-6}$	0
cHW	$-3.264 \cdot 10^{-6}$	$-3.264 \cdot 10^{-6}$	0	$5.184 \cdot 10^{-6}$	$5.184 \cdot 10^{-6}$	0
cHWB	$-2.855 \cdot 10^{-6}$	$-2.855 \cdot 10^{-6}$	0	$5.145 \cdot 10^{-6}$	$5.145 \cdot 10^{-6}$	0
cHWBtil	$7.47 \cdot 10^{-7}$	$7.47 \cdot 10^{-7}$	0	$1.007 \cdot 10^{-5}$	$1.007 \cdot 10^{-5}$	0
cHWtil	$-1.144 \cdot 10^{-5}$	$-1.144 \cdot 10^{-5}$	0	$7.411 \cdot 10^{-6}$	$7.411 \cdot 10^{-6}$	0
cHl311	$-1.274 \cdot 10^{-6}$	$-1.274 \cdot 10^{-6}$	0	$5.792 \cdot 10^{-8}$	$5.792 \cdot 10^{-8}$	0
cHl322	$-9.751 \cdot 10^{-7}$	$-9.751 \cdot 10^{-7}$	0	$4.434 \cdot 10^{-8}$	$4.434 \cdot 10^{-8}$	0
cll1221	$3.945 \cdot 10^{-6}$	$3.945 \cdot 10^{-6}$	0	$8.97 \cdot 10^{-8}$	$8.97 \cdot 10^{-8}$	0
sm	0	0	0	$6.828 \cdot 10^{-6}$	$6.828 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	0.172	0.172	0	0.1331	0.1331	0
cHDD	-0.05963	-0.05963	0	0.2532	0.2532	0
cHW	-0.003125	-0.003125	0	8.03	8.03	0
cHWtil	$1.019 \cdot 10^{-14}$	$1.019 \cdot 10^{-14}$	0	12.72	12.72	0
cHl311	-0.1977	-0.1977	0	0.005992	0.005992	0
cHl322	-0.01363	-0.01363	0	0.0004133	0.0004133	0

c111221	0.1444	0.1444	0	0.002189	0.002189	0
sm	0	0	0	0.3367	0.3367	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cH	$-4.961 \cdot 10^{-8}$	$-4.961 \cdot 10^{-8}$	0	$1.249 \cdot 10^{-8}$	$1.249 \cdot 10^{-8}$	0
cHB	$-3.188 \cdot 10^{-8}$	$-3.188 \cdot 10^{-8}$	0	$6.688 \cdot 10^{-8}$	$6.688 \cdot 10^{-8}$	0
cHBtil	$-1.036 \cdot 10^{-7}$	$-1.036 \cdot 10^{-7}$	0	$2.263 \cdot 10^{-8}$	$2.263 \cdot 10^{-8}$	0
cHDD	$-8.116 \cdot 10^{-7}$	$-8.116 \cdot 10^{-7}$	0	$3.035 \cdot 10^{-7}$	$3.035 \cdot 10^{-7}$	0
cHW	$-2.725 \cdot 10^{-7}$	$-2.725 \cdot 10^{-7}$	0	0.0001085	0.0001085	0
cHWB	-0.0001825	-0.0001825	0	$1.053 \cdot 10^{-5}$	$1.053 \cdot 10^{-5}$	0
cHWBtil	$-2.013 \cdot 10^{-6}$	$-2.013 \cdot 10^{-6}$	0	$2.329 \cdot 10^{-5}$	$2.329 \cdot 10^{-5}$	0
cHWtil	$5.549 \cdot 10^{-7}$	$5.549 \cdot 10^{-7}$	0	0.0003739	0.0003739	0
cHl311	$-3.58 \cdot 10^{-7}$	$-3.58 \cdot 10^{-7}$	0	$1.628 \cdot 10^{-8}$	$1.628 \cdot 10^{-8}$	0
cHl322	$-1.808 \cdot 10^{-5}$	$-1.808 \cdot 10^{-5}$	0	$8.218 \cdot 10^{-7}$	$8.218 \cdot 10^{-7}$	0
cW	$-2.013 \cdot 10^{-7}$	$-2.013 \cdot 10^{-7}$	0	$4.195 \cdot 10^{-6}$	$4.195 \cdot 10^{-6}$	0
cWtil	$-1.269 \cdot 10^{-6}$	$-1.269 \cdot 10^{-6}$	0	$3.975 \cdot 10^{-7}$	$3.975 \cdot 10^{-7}$	0
c111221	$2.771 \cdot 10^{-6}$	$2.771 \cdot 10^{-6}$	0	$6.3 \cdot 10^{-8}$	$6.3 \cdot 10^{-8}$	0
sm	0	0	0	$3.364 \cdot 10^{-6}$	$3.364 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cH	$2.749 \cdot 10^{-5}$	$2.749 \cdot 10^{-5}$	0	$2.594 \cdot 10^{-6}$	$2.594 \cdot 10^{-6}$	0
cHDD	$-9.533 \cdot 10^{-6}$	$-9.533 \cdot 10^{-6}$	0	$7.864 \cdot 10^{-6}$	$7.864 \cdot 10^{-6}$	0
cHQ3	$9.992 \cdot 10^{-6}$	$9.992 \cdot 10^{-6}$	0	$1.38 \cdot 10^{-5}$	$1.38 \cdot 10^{-5}$	0

cHW	$-2.813 \cdot 10^{-6}$	$-2.813 \cdot 10^{-6}$	0	$6.049 \cdot 10^{-6}$	$6.049 \cdot 10^{-6}$	0
cHWtil	$9.672 \cdot 10^{-7}$	$9.672 \cdot 10^{-7}$	0	$4.807 \cdot 10^{-6}$	$4.807 \cdot 10^{-6}$	0
cHl311	$-9.435 \cdot 10^{-6}$	$-9.435 \cdot 10^{-6}$	0	$4.29 \cdot 10^{-7}$	$4.29 \cdot 10^{-7}$	0
cHl322	-0.0003469	-0.0003469	0	$1.577 \cdot 10^{-5}$	$1.577 \cdot 10^{-5}$	0
cHtbIm	$-2.364 \cdot 10^{-7}$	$-2.364 \cdot 10^{-7}$	0	$5.344 \cdot 10^{-6}$	$5.344 \cdot 10^{-6}$	0
cHtbRe	$-1.146 \cdot 10^{-6}$	$-1.146 \cdot 10^{-6}$	0	$1.514 \cdot 10^{-6}$	$1.514 \cdot 10^{-6}$	0
cbHIm	$2.332 \cdot 10^{-7}$	$2.332 \cdot 10^{-7}$	0	$9.036 \cdot 10^{-7}$	$9.036 \cdot 10^{-7}$	0
cbHRe	$-1.91 \cdot 10^{-6}$	$-1.91 \cdot 10^{-6}$	0	$9.658 \cdot 10^{-6}$	$9.658 \cdot 10^{-6}$	0
cbWIm	$-1.333 \cdot 10^{-7}$	$-1.333 \cdot 10^{-7}$	0	$1.154 \cdot 10^{-5}$	$1.154 \cdot 10^{-5}$	0
cbWRe	$-2.535 \cdot 10^{-7}$	$-2.535 \cdot 10^{-7}$	0	$5.954 \cdot 10^{-6}$	$5.954 \cdot 10^{-6}$	0
cll1221	$8.19 \cdot 10^{-7}$	$8.19 \cdot 10^{-7}$	0	$1.862 \cdot 10^{-8}$	$1.862 \cdot 10^{-8}$	0
ctHIm	$-2.717 \cdot 10^{-6}$	$-2.717 \cdot 10^{-6}$	0	$6.309 \cdot 10^{-5}$	$6.309 \cdot 10^{-5}$	0
ctHRe	$4.233 \cdot 10^{-7}$	$4.233 \cdot 10^{-7}$	0	$1.374 \cdot 10^{-6}$	$1.374 \cdot 10^{-6}$	0
ctWIm	$3.734 \cdot 10^{-6}$	$3.734 \cdot 10^{-6}$	0	$1.607 \cdot 10^{-5}$	$1.607 \cdot 10^{-5}$	0
ctWRe	$6.282 \cdot 10^{-6}$	$6.282 \cdot 10^{-6}$	0	$1.546 \cdot 10^{-5}$	$1.546 \cdot 10^{-5}$	0
sm	0	0	0	$2.681 \cdot 10^{-5}$	$2.681 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$2.527 \cdot 10^{-9}$	$2.527 \cdot 10^{-9}$	0	$2.534 \cdot 10^{-11}$	$2.534 \cdot 10^{-11}$	0
cHDD	$-1.378 \cdot 10^{-8}$	$-1.378 \cdot 10^{-8}$	0	$2.519 \cdot 10^{-10}$	$2.519 \cdot 10^{-10}$	0
cHW	$6.46 \cdot 10^{-8}$	$6.46 \cdot 10^{-8}$	0	$5.247 \cdot 10^{-7}$	$5.247 \cdot 10^{-7}$	0
cHWtil	$6.617 \cdot 10^{-8}$	$6.617 \cdot 10^{-8}$	0	$4.361 \cdot 10^{-6}$	$4.361 \cdot 10^{-6}$	0
cHl311	$6.692 \cdot 10^{-7}$	$6.692 \cdot 10^{-7}$	0	$7.456 \cdot 10^{-7}$	$7.456 \cdot 10^{-7}$	0
cHl322	$-4.461 \cdot 10^{-8}$	$-4.461 \cdot 10^{-8}$	0	$2.028 \cdot 10^{-9}$	$2.028 \cdot 10^{-9}$	0
ceHIm11	$-3.7 \cdot 10^{-13}$	$-3.7 \cdot 10^{-13}$	0	$3.195 \cdot 10^{-7}$	$3.195 \cdot 10^{-7}$	0
ceHRe11	$-1.548 \cdot 10^{-11}$	$-1.548 \cdot 10^{-11}$	0	$1.114 \cdot 10^{-5}$	$1.114 \cdot 10^{-5}$	0

ceWRe11	$-1.055 \cdot 10^{-11}$	$-1.055 \cdot 10^{-11}$	0	$1.342 \cdot 10^{-7}$	$1.342 \cdot 10^{-7}$	0
c111221	$1.17 \cdot 10^{-8}$	$1.17 \cdot 10^{-8}$	0	$2.66 \cdot 10^{-10}$	$2.66 \cdot 10^{-10}$	0
sm	0	0	0	$2.377 \cdot 10^{-7}$	$2.377 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.423 \cdot 10^{-8}$	$1.423 \cdot 10^{-8}$	0	$1.113 \cdot 10^{-10}$	$1.113 \cdot 10^{-10}$	0
cHDD	$-1.657 \cdot 10^{-8}$	$-1.657 \cdot 10^{-8}$	0	$1.192 \cdot 10^{-8}$	$1.192 \cdot 10^{-8}$	0
cHW	$1.044 \cdot 10^{-8}$	$1.044 \cdot 10^{-8}$	0	$2.361 \cdot 10^{-6}$	$2.361 \cdot 10^{-6}$	0
cHWtil	$-3.145 \cdot 10^{-6}$	$-3.145 \cdot 10^{-6}$	0	$1.041 \cdot 10^{-5}$	$1.041 \cdot 10^{-5}$	0
cHj3	$1.723 \cdot 10^{-5}$	$1.723 \cdot 10^{-5}$	0	$6.463 \cdot 10^{-5}$	$6.463 \cdot 10^{-5}$	0
cHl311	$-1.132 \cdot 10^{-7}$	$-1.132 \cdot 10^{-7}$	0	$5.148 \cdot 10^{-9}$	$5.148 \cdot 10^{-9}$	0
cHl322	$-1.934 \cdot 10^{-8}$	$-1.934 \cdot 10^{-8}$	0	$8.793 \cdot 10^{-10}$	$8.793 \cdot 10^{-10}$	0
cHudIm	$-3.277 \cdot 10^{-25}$	$-3.277 \cdot 10^{-25}$	$-1.343 \cdot 10^{-6}$	$2.244 \cdot 10^{-24}$	$2.244 \cdot 10^{-24}$	$-2.674 \cdot 10^{-6}$
cHudRe	$-2.79 \cdot 10^{-24}$	$-2.79 \cdot 10^{-24}$	$-1.326 \cdot 10^{-6}$	$2.314 \cdot 10^{-25}$	$2.314 \cdot 10^{-25}$	$-2.679 \cdot 10^{-6}$
cdHIm	$-1.438 \cdot 10^{-15}$	$-1.438 \cdot 10^{-15}$	$-5.562 \cdot 10^{-7}$	$2.278 \cdot 10^{-15}$	$2.278 \cdot 10^{-15}$	$-1.141 \cdot 10^{-6}$
cdHRe	$-7.483 \cdot 10^{-15}$	$-7.483 \cdot 10^{-15}$	$-5.88 \cdot 10^{-7}$	$1.118 \cdot 10^{-14}$	$1.118 \cdot 10^{-14}$	$-1.253 \cdot 10^{-6}$
cdWIm	$-3.271 \cdot 10^{-16}$	$-3.271 \cdot 10^{-16}$	$-5.809 \cdot 10^{-7}$	$5.25 \cdot 10^{-15}$	$5.25 \cdot 10^{-15}$	$-1.181 \cdot 10^{-6}$
cdWRe	$-5.374 \cdot 10^{-16}$	$-5.374 \cdot 10^{-16}$	$-5.954 \cdot 10^{-7}$	$6.173 \cdot 10^{-16}$	$6.173 \cdot 10^{-16}$	$-1.183 \cdot 10^{-6}$
c111221	$5.133 \cdot 10^{-7}$	$5.133 \cdot 10^{-7}$	0	$1.167 \cdot 10^{-8}$	$1.167 \cdot 10^{-8}$	0
cuHIm	$-2.008 \cdot 10^{-16}$	$-2.008 \cdot 10^{-16}$	$-7.471 \cdot 10^{-7}$	$3.178 \cdot 10^{-16}$	$3.178 \cdot 10^{-16}$	$-1.447 \cdot 10^{-6}$
cuHRe	$-1.611 \cdot 10^{-15}$	$-1.611 \cdot 10^{-15}$	$-6.827 \cdot 10^{-7}$	$6.914 \cdot 10^{-16}$	$6.914 \cdot 10^{-16}$	$-1.446 \cdot 10^{-6}$
cuWIm	$2.02 \cdot 10^{-16}$	$2.02 \cdot 10^{-16}$	$-7.426 \cdot 10^{-7}$	$3.909 \cdot 10^{-16}$	$3.909 \cdot 10^{-16}$	$-1.458 \cdot 10^{-6}$
sm	0	0	0	$1.164 \cdot 10^{-6}$	$1.164 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.408 \cdot 10^{-8}$	$1.408 \cdot 10^{-8}$	0	$7.723 \cdot 10^{-9}$	$7.723 \cdot 10^{-9}$	0
cHB	$8.458 \cdot 10^{-8}$	$8.458 \cdot 10^{-8}$	0	$3.449 \cdot 10^{-8}$	$3.449 \cdot 10^{-8}$	0
cHBtil	$-3.082 \cdot 10^{-8}$	$-3.082 \cdot 10^{-8}$	0	$7.982 \cdot 10^{-8}$	$7.982 \cdot 10^{-8}$	0
cHDD	$7.195 \cdot 10^{-8}$	$7.195 \cdot 10^{-8}$	0	$2.382 \cdot 10^{-9}$	$2.382 \cdot 10^{-9}$	0
cHQ1	$8.104 \cdot 10^{-7}$	$8.104 \cdot 10^{-7}$	0	$6.877 \cdot 10^{-7}$	$6.877 \cdot 10^{-7}$	0
cHQ3	$1.587 \cdot 10^{-6}$	$1.587 \cdot 10^{-6}$	0	$3.02 \cdot 10^{-6}$	$3.02 \cdot 10^{-6}$	0
cHW	$2.029 \cdot 10^{-7}$	$2.029 \cdot 10^{-7}$	0	$1.792 \cdot 10^{-5}$	$1.792 \cdot 10^{-5}$	0
cHWB	$1.062 \cdot 10^{-7}$	$1.062 \cdot 10^{-7}$	0	$8.565 \cdot 10^{-8}$	$8.565 \cdot 10^{-8}$	0
cHWBtil	$3.669 \cdot 10^{-7}$	$3.669 \cdot 10^{-7}$	0	$1.729 \cdot 10^{-6}$	$1.729 \cdot 10^{-6}$	0
cHWtil	$4.969 \cdot 10^{-7}$	$4.969 \cdot 10^{-7}$	0	$1.586 \cdot 10^{-6}$	$1.586 \cdot 10^{-6}$	0
cHbq	$-2.521 \cdot 10^{-7}$	$-2.521 \cdot 10^{-7}$	0	$2.278 \cdot 10^{-6}$	$2.278 \cdot 10^{-6}$	0
cHl311	$-2.126 \cdot 10^{-8}$	$-2.126 \cdot 10^{-8}$	0	$9.668 \cdot 10^{-10}$	$9.668 \cdot 10^{-10}$	0
cHl322	$-6.812 \cdot 10^{-7}$	$-6.812 \cdot 10^{-7}$	0	$3.097 \cdot 10^{-8}$	$3.097 \cdot 10^{-8}$	0
cbBIm	$-2.797 \cdot 10^{-8}$	$-2.797 \cdot 10^{-8}$	0	$1.825 \cdot 10^{-7}$	$1.825 \cdot 10^{-7}$	0
cbBRe	$-8.784 \cdot 10^{-9}$	$-8.784 \cdot 10^{-9}$	0	$2.271 \cdot 10^{-7}$	$2.271 \cdot 10^{-7}$	0
cbHIm	$-9.761 \cdot 10^{-9}$	$-9.761 \cdot 10^{-9}$	0	$1.168 \cdot 10^{-5}$	$1.168 \cdot 10^{-5}$	0
cbHRe	$1.41 \cdot 10^{-8}$	$1.41 \cdot 10^{-8}$	0	$1.726 \cdot 10^{-6}$	$1.726 \cdot 10^{-6}$	0
cbWIm	$1.225 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	0	$1.716 \cdot 10^{-6}$	$1.716 \cdot 10^{-6}$	0
cbWRe	$-2.354 \cdot 10^{-7}$	$-2.354 \cdot 10^{-7}$	0	$4.448 \cdot 10^{-6}$	$4.448 \cdot 10^{-6}$	0
cll1221	$4.873 \cdot 10^{-8}$	$4.873 \cdot 10^{-8}$	0	$1.108 \cdot 10^{-9}$	$1.108 \cdot 10^{-9}$	0
sm	0	0	0	$3.492 \cdot 10^{-7}$	$3.492 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$4.463 \cdot 10^{-9}$	$4.463 \cdot 10^{-9}$	0	$1.728 \cdot 10^{-10}$	$1.728 \cdot 10^{-10}$	0

cHB	$6.781 \cdot 10^{-8}$	$6.781 \cdot 10^{-8}$	0	$8.272 \cdot 10^{-8}$	$8.272 \cdot 10^{-8}$	0
cHBtil	$5.909 \cdot 10^{-8}$	$5.909 \cdot 10^{-8}$	0	$3.882 \cdot 10^{-8}$	$3.882 \cdot 10^{-8}$	0
cHDD	$2.002 \cdot 10^{-9}$	$2.002 \cdot 10^{-9}$	0	$3.167 \cdot 10^{-10}$	$3.167 \cdot 10^{-10}$	0
cHW	$1.872 \cdot 10^{-7}$	$1.872 \cdot 10^{-7}$	0	$2.537 \cdot 10^{-7}$	$2.537 \cdot 10^{-7}$	0
cHWB	$-5.232 \cdot 10^{-8}$	$-5.232 \cdot 10^{-8}$	0	$1.085 \cdot 10^{-7}$	$1.085 \cdot 10^{-7}$	0
cHWBtil	$-1.6 \cdot 10^{-7}$	$-1.6 \cdot 10^{-7}$	0	$8.16 \cdot 10^{-7}$	$8.16 \cdot 10^{-7}$	0
cHWtil	$1.085 \cdot 10^{-7}$	$1.085 \cdot 10^{-7}$	0	$1.075 \cdot 10^{-6}$	$1.075 \cdot 10^{-6}$	0
cHl111	$-6.785 \cdot 10^{-7}$	$-6.785 \cdot 10^{-7}$	0	$7.55 \cdot 10^{-7}$	$7.55 \cdot 10^{-7}$	0
cHl311	$1.452 \cdot 10^{-6}$	$1.452 \cdot 10^{-6}$	0	$1.639 \cdot 10^{-6}$	$1.639 \cdot 10^{-6}$	0
cHl322	$-1.773 \cdot 10^{-7}$	$-1.773 \cdot 10^{-7}$	0	$8.062 \cdot 10^{-9}$	$8.062 \cdot 10^{-9}$	0
c1l1221	$2.146 \cdot 10^{-8}$	$2.146 \cdot 10^{-8}$	0	$4.879 \cdot 10^{-10}$	$4.879 \cdot 10^{-10}$	0
sm	0	0	0	$1.6 \cdot 10^{-7}$	$1.6 \cdot 10^{-7}$	0

1.16 $HH \rightarrow z c \bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$6.523 \cdot 10^{-8}$	$6.523 \cdot 10^{-8}$	0	$2.021 \cdot 10^{-7}$	$2.021 \cdot 10^{-7}$	0
cHB	$5.004 \cdot 10^{-8}$	$5.004 \cdot 10^{-8}$	0	$1.848 \cdot 10^{-7}$	$1.848 \cdot 10^{-7}$	0
cHBtil	$1.022 \cdot 10^{-10}$	$1.022 \cdot 10^{-10}$	0	$1.987 \cdot 10^{-7}$	$1.987 \cdot 10^{-7}$	0
cHDD	$-2.496 \cdot 10^{-8}$	$-2.496 \cdot 10^{-8}$	0	$7.398 \cdot 10^{-9}$	$7.398 \cdot 10^{-9}$	0
cHW	$7.359 \cdot 10^{-7}$	$7.359 \cdot 10^{-7}$	0	$4.172 \cdot 10^{-6}$	$4.172 \cdot 10^{-6}$	0
cHWB	$5.562 \cdot 10^{-6}$	$5.562 \cdot 10^{-6}$	0	$1.498 \cdot 10^{-5}$	$1.498 \cdot 10^{-5}$	0
cHWBtil	$5.213 \cdot 10^{-8}$	$5.213 \cdot 10^{-8}$	0	$2.718 \cdot 10^{-8}$	$2.718 \cdot 10^{-8}$	0
cHWtil	$2.163 \cdot 10^{-6}$	$2.163 \cdot 10^{-6}$	0	$2.663 \cdot 10^{-5}$	$2.663 \cdot 10^{-5}$	0
cHj1	$-5.184 \cdot 10^{-7}$	$-5.184 \cdot 10^{-7}$	0	$1.094 \cdot 10^{-7}$	$1.094 \cdot 10^{-7}$	0
cHj3	$6.139 \cdot 10^{-7}$	$6.139 \cdot 10^{-7}$	0	$1.609 \cdot 10^{-6}$	$1.609 \cdot 10^{-6}$	0
cHl311	$-3.936 \cdot 10^{-7}$	$-3.936 \cdot 10^{-7}$	0	$1.79 \cdot 10^{-8}$	$1.79 \cdot 10^{-8}$	0
cHl322	$-4.637 \cdot 10^{-8}$	$-4.637 \cdot 10^{-8}$	0	$2.108 \cdot 10^{-9}$	$2.108 \cdot 10^{-9}$	0

c111221	$8.5 \cdot 10^{-8}$	$8.5 \cdot 10^{-8}$	0	$1.932 \cdot 10^{-9}$	$1.932 \cdot 10^{-9}$	0
cuBIm	$4.922 \cdot 10^{-12}$	$4.922 \cdot 10^{-12}$	$1.422 \cdot 10^{-7}$	$1.207 \cdot 10^{-11}$	$1.207 \cdot 10^{-11}$	$2.486 \cdot 10^{-7}$
cuBRe	$1.472 \cdot 10^{-10}$	$1.472 \cdot 10^{-10}$	$1.359 \cdot 10^{-7}$	$2.618 \cdot 10^{-11}$	$2.618 \cdot 10^{-11}$	$2.674 \cdot 10^{-7}$
cuHIm	$-9.877 \cdot 10^{-11}$	$-9.877 \cdot 10^{-11}$	$1.316 \cdot 10^{-7}$	$6.654 \cdot 10^{-11}$	$6.654 \cdot 10^{-11}$	$2.705 \cdot 10^{-7}$
cuHRe	$-5.733 \cdot 10^{-11}$	$-5.733 \cdot 10^{-11}$	$1.395 \cdot 10^{-7}$	$6.139 \cdot 10^{-10}$	$6.139 \cdot 10^{-10}$	$2.769 \cdot 10^{-7}$
cuWIm	$1.666 \cdot 10^{-12}$	$1.666 \cdot 10^{-12}$	$1.2 \cdot 10^{-7}$	$4.184 \cdot 10^{-12}$	$4.184 \cdot 10^{-12}$	$2.868 \cdot 10^{-7}$
sm	0	0	0	$2.494 \cdot 10^{-6}$	$2.494 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$9.943 \cdot 10^{-7}$	$9.943 \cdot 10^{-7}$	0	$1.08 \cdot 10^{-8}$	$1.08 \cdot 10^{-8}$	0
cHB	$7.416 \cdot 10^{-8}$	$7.416 \cdot 10^{-8}$	0	$1.014 \cdot 10^{-6}$	$1.014 \cdot 10^{-6}$	0
cHBtil	$9.904 \cdot 10^{-9}$	$9.904 \cdot 10^{-9}$	0	$1.794 \cdot 10^{-9}$	$1.794 \cdot 10^{-9}$	0
cHDD	$6.937 \cdot 10^{-10}$	$6.937 \cdot 10^{-10}$	0	$7.906 \cdot 10^{-9}$	$7.906 \cdot 10^{-9}$	0
cHW	$2.579 \cdot 10^{-6}$	$2.579 \cdot 10^{-6}$	0	$8.784 \cdot 10^{-6}$	$8.784 \cdot 10^{-6}$	0
cHWB	$2.071 \cdot 10^{-7}$	$2.071 \cdot 10^{-7}$	0	$3.693 \cdot 10^{-7}$	$3.693 \cdot 10^{-7}$	0
cHWBtil	$-1.251 \cdot 10^{-8}$	$-1.251 \cdot 10^{-8}$	0	$3.492 \cdot 10^{-7}$	$3.492 \cdot 10^{-7}$	0
cHWtil	$-1.094 \cdot 10^{-6}$	$-1.094 \cdot 10^{-6}$	0	$3.771 \cdot 10^{-6}$	$3.771 \cdot 10^{-6}$	0
cHd	$-2.127 \cdot 10^{-7}$	$-2.127 \cdot 10^{-7}$	0	$1.042 \cdot 10^{-6}$	$1.042 \cdot 10^{-6}$	0
cHj1	$4.141 \cdot 10^{-6}$	$4.141 \cdot 10^{-6}$	0	$5.615 \cdot 10^{-6}$	$5.615 \cdot 10^{-6}$	0
cHj3	$1.82 \cdot 10^{-5}$	$1.82 \cdot 10^{-5}$	0	$6.042 \cdot 10^{-5}$	$6.042 \cdot 10^{-5}$	0
cHl311	$-1.027 \cdot 10^{-6}$	$-1.027 \cdot 10^{-6}$	0	$4.669 \cdot 10^{-8}$	$4.669 \cdot 10^{-8}$	0
cHl322	$-4.981 \cdot 10^{-7}$	$-4.981 \cdot 10^{-7}$	0	$2.265 \cdot 10^{-8}$	$2.265 \cdot 10^{-8}$	0
cdBIm	$2.599 \cdot 10^{-15}$	$2.599 \cdot 10^{-15}$	$-5.771 \cdot 10^{-7}$	$1.287 \cdot 10^{-15}$	$1.287 \cdot 10^{-15}$	$-1.166 \cdot 10^{-6}$
cdBRe	$-4.523 \cdot 10^{-16}$	$-4.523 \cdot 10^{-16}$	$-5.969 \cdot 10^{-7}$	$9.089 \cdot 10^{-16}$	$9.089 \cdot 10^{-16}$	$-1.166 \cdot 10^{-6}$
cdHIm	$-3.449 \cdot 10^{-17}$	$-3.449 \cdot 10^{-17}$	$-5.799 \cdot 10^{-7}$	$2.833 \cdot 10^{-15}$	$2.833 \cdot 10^{-15}$	$-1.165 \cdot 10^{-6}$
cdHRe	$5.218 \cdot 10^{-15}$	$5.218 \cdot 10^{-15}$	$-5.941 \cdot 10^{-7}$	$5.583 \cdot 10^{-16}$	$5.583 \cdot 10^{-16}$	$-1.182 \cdot 10^{-6}$

cdWIm	$3.043 \cdot 10^{-16}$	$3.043 \cdot 10^{-16}$	$-5.915 \cdot 10^{-7}$	$3.226 \cdot 10^{-15}$	$3.226 \cdot 10^{-15}$	$-1.147 \cdot 10^{-6}$
cdWRe	$-8.447 \cdot 10^{-16}$	$-8.447 \cdot 10^{-16}$	$-5.919 \cdot 10^{-7}$	$3.169 \cdot 10^{-15}$	$3.169 \cdot 10^{-15}$	$-1.167 \cdot 10^{-6}$
cll1221	$3.34 \cdot 10^{-8}$	$3.34 \cdot 10^{-8}$	0	$7.593 \cdot 10^{-10}$	$7.593 \cdot 10^{-10}$	0
sm	0	0	0	$4.467 \cdot 10^{-7}$	$4.467 \cdot 10^{-7}$	0

1.18 $HH \rightarrow ze^+e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$3.374 \cdot 10^{-6}$	$3.374 \cdot 10^{-6}$	0	$1.287 \cdot 10^{-6}$	$1.287 \cdot 10^{-6}$	0
cHB	$3.326 \cdot 10^{-8}$	$3.326 \cdot 10^{-8}$	0	$4.04 \cdot 10^{-7}$	$4.04 \cdot 10^{-7}$	0
cHBtil	$-2.339 \cdot 10^{-9}$	$-2.339 \cdot 10^{-9}$	0	$1.38 \cdot 10^{-6}$	$1.38 \cdot 10^{-6}$	0
cHDD	$-5.332 \cdot 10^{-9}$	$-5.332 \cdot 10^{-9}$	0	$2.32 \cdot 10^{-9}$	$2.32 \cdot 10^{-9}$	0
cHW	$9.597 \cdot 10^{-8}$	$9.597 \cdot 10^{-8}$	0	$7.802 \cdot 10^{-7}$	$7.802 \cdot 10^{-7}$	0
cHWB	$-3.419 \cdot 10^{-8}$	$-3.419 \cdot 10^{-8}$	0	$1.901 \cdot 10^{-7}$	$1.901 \cdot 10^{-7}$	0
cHWBtil	$7.379 \cdot 10^{-9}$	$7.379 \cdot 10^{-9}$	0	$1.664 \cdot 10^{-7}$	$1.664 \cdot 10^{-7}$	0
cHWtil	$-4.96 \cdot 10^{-8}$	$-4.96 \cdot 10^{-8}$	0	$6.687 \cdot 10^{-7}$	$6.687 \cdot 10^{-7}$	0
cHe11	$-7.458 \cdot 10^{-7}$	$-7.458 \cdot 10^{-7}$	0	$3.692 \cdot 10^{-6}$	$3.692 \cdot 10^{-6}$	0
cHl111	$5.255 \cdot 10^{-7}$	$5.255 \cdot 10^{-7}$	0	$1.319 \cdot 10^{-6}$	$1.319 \cdot 10^{-6}$	0
cHl311	$3.953 \cdot 10^{-7}$	$3.953 \cdot 10^{-7}$	0	$7.886 \cdot 10^{-7}$	$7.886 \cdot 10^{-7}$	0
cHl322	$-8.279 \cdot 10^{-8}$	$-8.279 \cdot 10^{-8}$	0	$3.764 \cdot 10^{-9}$	$3.764 \cdot 10^{-9}$	0
ceBIm11	$-1.123 \cdot 10^{-13}$	$-1.123 \cdot 10^{-13}$	0	$1.6 \cdot 10^{-7}$	$1.6 \cdot 10^{-7}$	0
ceBRe11	$-4.151 \cdot 10^{-13}$	$-4.151 \cdot 10^{-13}$	0	$4.936 \cdot 10^{-7}$	$4.936 \cdot 10^{-7}$	0
ceHIm11	$8.003 \cdot 10^{-13}$	$8.003 \cdot 10^{-13}$	0	$1.927 \cdot 10^{-6}$	$1.927 \cdot 10^{-6}$	0
ceHRe11	$2.873 \cdot 10^{-12}$	$2.873 \cdot 10^{-12}$	0	$9.617 \cdot 10^{-8}$	$9.617 \cdot 10^{-8}$	0
ceWRe11	$-4.463 \cdot 10^{-13}$	$-4.463 \cdot 10^{-13}$	0	$3.744 \cdot 10^{-7}$	$3.744 \cdot 10^{-7}$	0
cll1221	$8.718 \cdot 10^{-9}$	$8.718 \cdot 10^{-9}$	0	$1.982 \cdot 10^{-10}$	$1.982 \cdot 10^{-10}$	0
sm	0	0	0	$7.443 \cdot 10^{-8}$	$7.443 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.641 \cdot 10^{-5}$	$1.641 \cdot 10^{-5}$	0	$6.085 \cdot 10^{-7}$	$6.085 \cdot 10^{-7}$	0
cHB	$-2.853 \cdot 10^{-5}$	$-2.853 \cdot 10^{-5}$	0	$1.647 \cdot 10^{-6}$	$1.647 \cdot 10^{-6}$	0
cHBtil	$2.673 \cdot 10^{-8}$	$2.673 \cdot 10^{-8}$	0	$3.266 \cdot 10^{-7}$	$3.266 \cdot 10^{-7}$	0
cHDD	$3.247 \cdot 10^{-5}$	$3.247 \cdot 10^{-5}$	0	$3.457 \cdot 10^{-6}$	$3.457 \cdot 10^{-6}$	0
cHQ1	0.0005476	0.0005476	0	0.0002396	0.0002396	0
cHQ3	-0.0002109	-0.0002109	0	0.0002284	0.0002284	0
cHW	$-1.585 \cdot 10^{-5}$	$-1.585 \cdot 10^{-5}$	0	$3.252 \cdot 10^{-6}$	$3.252 \cdot 10^{-6}$	0
cHWB	$-3.825 \cdot 10^{-6}$	$-3.825 \cdot 10^{-6}$	0	$7.133 \cdot 10^{-7}$	$7.133 \cdot 10^{-7}$	0
cHWBtil	$-2.013 \cdot 10^{-7}$	$-2.013 \cdot 10^{-7}$	0	$3.143 \cdot 10^{-7}$	$3.143 \cdot 10^{-7}$	0
cHWtil	$3.655 \cdot 10^{-6}$	$3.655 \cdot 10^{-6}$	0	$4.143 \cdot 10^{-6}$	$4.143 \cdot 10^{-6}$	0
cHl311	$-6.044 \cdot 10^{-6}$	$-6.044 \cdot 10^{-6}$	0	$2.748 \cdot 10^{-7}$	$2.748 \cdot 10^{-7}$	0
cHl322	$-2.68 \cdot 10^{-6}$	$-2.68 \cdot 10^{-6}$	0	$1.218 \cdot 10^{-7}$	$1.218 \cdot 10^{-7}$	0
cHt	$-6.043 \cdot 10^{-5}$	$-6.043 \cdot 10^{-5}$	0	$4.103 \cdot 10^{-5}$	$4.103 \cdot 10^{-5}$	0
c111221	$1.026 \cdot 10^{-6}$	$1.026 \cdot 10^{-6}$	0	$2.332 \cdot 10^{-8}$	$2.332 \cdot 10^{-8}$	0
ctBIIm	$-9.539 \cdot 10^{-7}$	$-9.539 \cdot 10^{-7}$	0	$1.833 \cdot 10^{-5}$	$1.833 \cdot 10^{-5}$	0
ctHIIm	$1.142 \cdot 10^{-6}$	$1.142 \cdot 10^{-6}$	0	$1.252 \cdot 10^{-5}$	$1.252 \cdot 10^{-5}$	0
ctHRe	$-3.625 \cdot 10^{-7}$	$-3.625 \cdot 10^{-7}$	0	$1.394 \cdot 10^{-6}$	$1.394 \cdot 10^{-6}$	0
ctWIm	$3.177 \cdot 10^{-7}$	$3.177 \cdot 10^{-7}$	0	$1.243 \cdot 10^{-5}$	$1.243 \cdot 10^{-5}$	0
ctWRe	$7.78 \cdot 10^{-7}$	$7.78 \cdot 10^{-7}$	0	$5.088 \cdot 10^{-5}$	$5.088 \cdot 10^{-5}$	0
sm	0	0	0	0.0001099	0.0001099	0

1.20 $HH \rightarrow zz$

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

cH	0.01175	0.01175	0	0.06606	0.06606	0
cHB	0.01832	0.01832	0	0.2077	0.2077	0
cHBtil	$2.205 \cdot 10^{-17}$	$2.205 \cdot 10^{-17}$	0	0.1869	0.1869	0
cHDD	-0.0332	-0.0332	0	0.4524	0.4524	0
cHW	0.02966	0.02966	0	2.324	2.324	0
cHWB	0.05668	0.05668	0	0.7912	0.7912	0
cHWBtil	$-2.277 \cdot 10^{-18}$	$-2.277 \cdot 10^{-18}$	0	0.8315	0.8315	0
cHWtil	$1.372 \cdot 10^{-16}$	$1.372 \cdot 10^{-16}$	0	2.383	2.383	0
cHl311	-0.1409	-0.1409	0	0.004272	0.004272	0
cHl322	-0.07872	-0.07872	0	0.002386	0.002386	0
c1l1221	0.004707	0.004707	0	$7.134 \cdot 10^{-5}$	$7.134 \cdot 10^{-5}$	0
sm	0	0	0	5.263	5.263	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-5.082 \cdot 10^{-6}$	$-5.082 \cdot 10^{-6}$	0	$1.473 \cdot 10^{-7}$	$1.473 \cdot 10^{-7}$	0
cHBtil	$7.814 \cdot 10^{-8}$	$7.814 \cdot 10^{-8}$	0	$3.005 \cdot 10^{-7}$	$3.005 \cdot 10^{-7}$	0
cHDD	$-1.374 \cdot 10^{-7}$	$-1.374 \cdot 10^{-7}$	0	$4.671 \cdot 10^{-9}$	$4.671 \cdot 10^{-9}$	0
cHQ3	$-5.439 \cdot 10^{-7}$	$-5.439 \cdot 10^{-7}$	0	$8.228 \cdot 10^{-8}$	$8.228 \cdot 10^{-8}$	0
cHW	$-2.956 \cdot 10^{-6}$	$-2.956 \cdot 10^{-6}$	0	$1.509 \cdot 10^{-6}$	$1.509 \cdot 10^{-6}$	0
cHWB	$-1.012 \cdot 10^{-6}$	$-1.012 \cdot 10^{-6}$	0	$1.078 \cdot 10^{-6}$	$1.078 \cdot 10^{-6}$	0
cHWBtil	$3.054 \cdot 10^{-7}$	$3.054 \cdot 10^{-7}$	0	$1.422 \cdot 10^{-6}$	$1.422 \cdot 10^{-6}$	0
cHWtil	$2.032 \cdot 10^{-8}$	$2.032 \cdot 10^{-8}$	0	$8.371 \cdot 10^{-7}$	$8.371 \cdot 10^{-7}$	0
cHl311	$-2.446 \cdot 10^{-6}$	$-2.446 \cdot 10^{-6}$	0	$1.112 \cdot 10^{-7}$	$1.112 \cdot 10^{-7}$	0
cHl322	$-1.008 \cdot 10^{-7}$	$-1.008 \cdot 10^{-7}$	0	$4.582 \cdot 10^{-9}$	$4.582 \cdot 10^{-9}$	0
cHtbIm	$-1.992 \cdot 10^{-8}$	$-1.992 \cdot 10^{-8}$	0	$5.558 \cdot 10^{-7}$	$5.558 \cdot 10^{-7}$	0
cHtbRe	$-4.977 \cdot 10^{-9}$	$-4.977 \cdot 10^{-9}$	0	$3.381 \cdot 10^{-8}$	$3.381 \cdot 10^{-8}$	0

cW	$4.462 \cdot 10^{-8}$	$4.462 \cdot 10^{-8}$	0	$5.814 \cdot 10^{-7}$	$5.814 \cdot 10^{-7}$	0
cWtil	$-3.456 \cdot 10^{-8}$	$-3.456 \cdot 10^{-8}$	0	$3.759 \cdot 10^{-7}$	$3.759 \cdot 10^{-7}$	0
cbBIm	$2.362 \cdot 10^{-7}$	$2.362 \cdot 10^{-7}$	0	$3.33 \cdot 10^{-6}$	$3.33 \cdot 10^{-6}$	0
cbBRe	$-7.842 \cdot 10^{-8}$	$-7.842 \cdot 10^{-8}$	0	$1.595 \cdot 10^{-6}$	$1.595 \cdot 10^{-6}$	0
cbHIm	$-3.058 \cdot 10^{-9}$	$-3.058 \cdot 10^{-9}$	0	$2.164 \cdot 10^{-8}$	$2.164 \cdot 10^{-8}$	0
cbHRe	$2.33 \cdot 10^{-8}$	$2.33 \cdot 10^{-8}$	0	$1.322 \cdot 10^{-7}$	$1.322 \cdot 10^{-7}$	0
cbWIm	$-6.245 \cdot 10^{-9}$	$-6.245 \cdot 10^{-9}$	0	$1.998 \cdot 10^{-6}$	$1.998 \cdot 10^{-6}$	0
cbWRe	$-2.512 \cdot 10^{-8}$	$-2.512 \cdot 10^{-8}$	0	$1.209 \cdot 10^{-6}$	$1.209 \cdot 10^{-6}$	0
c111221	$1.919 \cdot 10^{-7}$	$1.919 \cdot 10^{-7}$	0	$4.362 \cdot 10^{-9}$	$4.362 \cdot 10^{-9}$	0
ctBIm	$2.772 \cdot 10^{-9}$	$2.772 \cdot 10^{-9}$	0	$3.186 \cdot 10^{-8}$	$3.186 \cdot 10^{-8}$	0
ctHIm	$-4.39 \cdot 10^{-8}$	$-4.39 \cdot 10^{-8}$	0	$7.055 \cdot 10^{-9}$	$7.055 \cdot 10^{-9}$	0
ctHRe	$-2.046 \cdot 10^{-7}$	$-2.046 \cdot 10^{-7}$	0	$3.119 \cdot 10^{-8}$	$3.119 \cdot 10^{-8}$	0
ctWIm	$-1.232 \cdot 10^{-7}$	$-1.232 \cdot 10^{-7}$	0	$6.019 \cdot 10^{-6}$	$6.019 \cdot 10^{-6}$	0
ctWRe	$1.267 \cdot 10^{-7}$	$1.267 \cdot 10^{-7}$	0	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	0
sm	0	0	0	$6.994 \cdot 10^{-6}$	$6.994 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$2.805 \cdot 10^{-7}$	$2.805 \cdot 10^{-7}$	0	$3.391 \cdot 10^{-8}$	$3.391 \cdot 10^{-8}$	0
cHBtil	$2.649 \cdot 10^{-9}$	$2.649 \cdot 10^{-9}$	0	$1.985 \cdot 10^{-9}$	$1.985 \cdot 10^{-9}$	0
cHDD	$-1.253 \cdot 10^{-8}$	$-1.253 \cdot 10^{-8}$	0	$4.261 \cdot 10^{-10}$	$4.261 \cdot 10^{-10}$	0
cHW	$4.821 \cdot 10^{-8}$	$4.821 \cdot 10^{-8}$	0	$5.739 \cdot 10^{-6}$	$5.739 \cdot 10^{-6}$	0
cHWB	$-4.915 \cdot 10^{-7}$	$-4.915 \cdot 10^{-7}$	0	$4.298 \cdot 10^{-6}$	$4.298 \cdot 10^{-6}$	0
cHWBtil	$6.927 \cdot 10^{-8}$	$6.927 \cdot 10^{-8}$	0	$1.991 \cdot 10^{-7}$	$1.991 \cdot 10^{-7}$	0
cHWtil	$-5.196 \cdot 10^{-9}$	$-5.196 \cdot 10^{-9}$	0	$5.89 \cdot 10^{-7}$	$5.89 \cdot 10^{-7}$	0
cHj3	$1.147 \cdot 10^{-6}$	$1.147 \cdot 10^{-6}$	0	$5.349 \cdot 10^{-6}$	$5.349 \cdot 10^{-6}$	0
cH1311	$-1.34 \cdot 10^{-7}$	$-1.34 \cdot 10^{-7}$	0	$6.091 \cdot 10^{-9}$	$6.091 \cdot 10^{-9}$	0

cHl322	$-4.97 \cdot 10^{-8}$	$-4.97 \cdot 10^{-8}$	0	$2.26 \cdot 10^{-9}$	$2.26 \cdot 10^{-9}$	0
cHudIm	$-7.866 \cdot 10^{-26}$	$-7.866 \cdot 10^{-26}$	$-1.335 \cdot 10^{-6}$	$1.927 \cdot 10^{-26}$	$1.927 \cdot 10^{-26}$	$-2.646 \cdot 10^{-6}$
cHudRe	$-1.823 \cdot 10^{-23}$	$-1.823 \cdot 10^{-23}$	$-1.371 \cdot 10^{-6}$	$2.456 \cdot 10^{-25}$	$2.456 \cdot 10^{-25}$	$-2.647 \cdot 10^{-6}$
cW	$9.814 \cdot 10^{-7}$	$9.814 \cdot 10^{-7}$	0	$3.387 \cdot 10^{-6}$	$3.387 \cdot 10^{-6}$	0
cWtil	$1.055 \cdot 10^{-9}$	$1.055 \cdot 10^{-9}$	0	$2.357 \cdot 10^{-7}$	$2.357 \cdot 10^{-7}$	0
cdBIm	$-8.801 \cdot 10^{-16}$	$-8.801 \cdot 10^{-16}$	$-5.795 \cdot 10^{-7}$	$5.039 \cdot 10^{-17}$	$5.039 \cdot 10^{-17}$	$-1.171 \cdot 10^{-6}$
cdBRe	$-3.059 \cdot 10^{-16}$	$-3.059 \cdot 10^{-16}$	$-5.885 \cdot 10^{-7}$	$7.565 \cdot 10^{-16}$	$7.565 \cdot 10^{-16}$	$-1.176 \cdot 10^{-6}$
cdHIm	$-1.464 \cdot 10^{-16}$	$-1.464 \cdot 10^{-16}$	$-6.148 \cdot 10^{-7}$	$9.321 \cdot 10^{-17}$	$9.321 \cdot 10^{-17}$	$-1.169 \cdot 10^{-6}$
cdHRe	$-5.974 \cdot 10^{-15}$	$-5.974 \cdot 10^{-15}$	$-5.859 \cdot 10^{-7}$	$9.411 \cdot 10^{-17}$	$9.411 \cdot 10^{-17}$	$-1.169 \cdot 10^{-6}$
cdWIm	$-1.027 \cdot 10^{-15}$	$-1.027 \cdot 10^{-15}$	$-5.843 \cdot 10^{-7}$	$4.68 \cdot 10^{-15}$	$4.68 \cdot 10^{-15}$	$-1.175 \cdot 10^{-6}$
cdWRe	$-1.838 \cdot 10^{-15}$	$-1.838 \cdot 10^{-15}$	$-5.983 \cdot 10^{-7}$	$1.352 \cdot 10^{-15}$	$1.352 \cdot 10^{-15}$	$-1.183 \cdot 10^{-6}$
cll1221	$2.315 \cdot 10^{-9}$	$2.315 \cdot 10^{-9}$	0	$5.263 \cdot 10^{-11}$	$5.263 \cdot 10^{-11}$	0
cuBIm	$7.79 \cdot 10^{-17}$	$7.79 \cdot 10^{-17}$	$-7.189 \cdot 10^{-7}$	$7.598 \cdot 10^{-18}$	$7.598 \cdot 10^{-18}$	$-1.448 \cdot 10^{-6}$
cuBRe	$2.215 \cdot 10^{-17}$	$2.215 \cdot 10^{-17}$	$-7.676 \cdot 10^{-7}$	$1.689 \cdot 10^{-18}$	$1.689 \cdot 10^{-18}$	$-1.421 \cdot 10^{-6}$
cuHIm	$-5.61 \cdot 10^{-16}$	$-5.61 \cdot 10^{-16}$	$-7.131 \cdot 10^{-7}$	$4.382 \cdot 10^{-16}$	$4.382 \cdot 10^{-16}$	$-1.438 \cdot 10^{-6}$
cuHRe	$-7.081 \cdot 10^{-16}$	$-7.081 \cdot 10^{-16}$	$-7.202 \cdot 10^{-7}$	$2.072 \cdot 10^{-17}$	$2.072 \cdot 10^{-17}$	$-1.448 \cdot 10^{-6}$
cuWIm	$-3.214 \cdot 10^{-17}$	$-3.214 \cdot 10^{-17}$	$-7.155 \cdot 10^{-7}$	$1.133 \cdot 10^{-16}$	$1.133 \cdot 10^{-16}$	$-1.413 \cdot 10^{-6}$
sm	0	0	0	$2.123 \cdot 10^{-7}$	$2.123 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	-0.000283	-0.000283	0	$2.145 \cdot 10^{-6}$	$2.145 \cdot 10^{-6}$	0
cHW	0.01659	0.01659	0	0.07783	0.07783	0
cHWtil	$-5.974 \cdot 10^{-15}$	$-5.974 \cdot 10^{-15}$	0	0.05262	0.05262	0
cHj3	0.1356	0.1356	0	0.6359	0.6359	0
cHl311	-0.002825	-0.002825	0	$8.563 \cdot 10^{-5}$	$8.563 \cdot 10^{-5}$	0
cHl322	-0.002398	-0.002398	0	$7.27 \cdot 10^{-5}$	$7.27 \cdot 10^{-5}$	0
cHudIm	$3.762 \cdot 10^{-23}$	$3.762 \cdot 10^{-23}$	$-1.329 \cdot 10^{-6}$	$1.078 \cdot 10^{-20}$	$1.078 \cdot 10^{-20}$	$-2.691 \cdot 10^{-6}$

cHudRe	$-2.346 \cdot 10^{-19}$	$-2.346 \cdot 10^{-19}$	$-1.322 \cdot 10^{-6}$	$3.17 \cdot 10^{-20}$	$3.17 \cdot 10^{-20}$	$-2.65 \cdot 10^{-6}$
cdHIm	$-2.41 \cdot 10^{-13}$	$-2.41 \cdot 10^{-13}$	$-5.809 \cdot 10^{-7}$	$4.565 \cdot 10^{-11}$	$4.565 \cdot 10^{-11}$	$-1.161 \cdot 10^{-6}$
cdHRe	$-7.262 \cdot 10^{-12}$	$-7.262 \cdot 10^{-12}$	$-5.921 \cdot 10^{-7}$	$4.406 \cdot 10^{-11}$	$4.406 \cdot 10^{-11}$	$-1.157 \cdot 10^{-6}$
cdWIm	$-1.29 \cdot 10^{-13}$	$-1.29 \cdot 10^{-13}$	$-5.425 \cdot 10^{-7}$	$4.112 \cdot 10^{-10}$	$4.112 \cdot 10^{-10}$	$-1.167 \cdot 10^{-6}$
cdWRe	$-3.561 \cdot 10^{-11}$	$-3.561 \cdot 10^{-11}$	$-5.616 \cdot 10^{-7}$	$9.243 \cdot 10^{-10}$	$9.243 \cdot 10^{-10}$	$-1.179 \cdot 10^{-6}$
c111221	0.0003434	0.0003434	0	$5.204 \cdot 10^{-6}$	$5.204 \cdot 10^{-6}$	0
cuHIm	$5.152 \cdot 10^{-14}$	$5.152 \cdot 10^{-14}$	$-7.182 \cdot 10^{-7}$	$1.035 \cdot 10^{-11}$	$1.035 \cdot 10^{-11}$	$-1.45 \cdot 10^{-6}$
cuHRe	$-2.521 \cdot 10^{-12}$	$-2.521 \cdot 10^{-12}$	$-7.536 \cdot 10^{-7}$	$9.484 \cdot 10^{-12}$	$9.484 \cdot 10^{-12}$	$-1.444 \cdot 10^{-6}$
cuWIm	$-3.079 \cdot 10^{-14}$	$-3.079 \cdot 10^{-14}$	$-7.47 \cdot 10^{-7}$	$4.9 \cdot 10^{-11}$	$4.9 \cdot 10^{-11}$	$-1.449 \cdot 10^{-6}$
sm	0	0	0	0.01857	0.01857	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.05469	-0.05469	0	0.0004144	0.0004144	0
cHQ3	-0.6571	-0.6571	0	1.304	1.304	0
cHW	-0.1055	-0.1055	0	0.06885	0.06885	0
cHWtil	$-3.847 \cdot 10^{-5}$	$-3.847 \cdot 10^{-5}$	0	0.06272	0.06272	0
cH1311	-0.02413	-0.02413	0	0.0007316	0.0007316	0
cH1322	-0.2195	-0.2195	0	0.006654	0.006654	0
cHtbIm	$-7.797 \cdot 10^{-6}$	$-7.797 \cdot 10^{-6}$	0	0.3036	0.3036	0
cHtbRe	-0.04844	-0.04844	0	0.3702	0.3702	0
cbHIm	$5.006 \cdot 10^{-6}$	$5.006 \cdot 10^{-6}$	0	0.06337	0.06337	0
cbHRe	-0.009146	-0.009146	0	0.07146	0.07146	0
cbWIm	$-6.495 \cdot 10^{-6}$	$-6.495 \cdot 10^{-6}$	0	1.408	1.408	0
cbWRe	0.004016	0.004016	0	1.125	1.125	0
c111221	0.1555	0.1555	0	0.002357	0.002357	0
ctHIm	-0.0008722	-0.0008722	0	0.05854	0.05854	0

ctHRe	0.05617	0.05617	0	0.05056	0.05056	0
ctWIm	0.0007365	0.0007365	0	1.455	1.455	0
ctWRe	0.2851	0.2851	0	2.1	2.1	0
sm	0	0	0	0.4306	0.4306	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	$6.607 \cdot 10^{-9}$	$6.607 \cdot 10^{-9}$	0	$9.121 \cdot 10^{-9}$	$9.121 \cdot 10^{-9}$	0
cHBtil	$-1.236 \cdot 10^{-10}$	$-1.236 \cdot 10^{-10}$	0	$7.297 \cdot 10^{-9}$	$7.297 \cdot 10^{-9}$	0
cHDD	$-1.715 \cdot 10^{-9}$	$-1.715 \cdot 10^{-9}$	0	$5.83 \cdot 10^{-11}$	$5.83 \cdot 10^{-11}$	0
cHW	$-1.61 \cdot 10^{-7}$	$-1.61 \cdot 10^{-7}$	0	$1.655 \cdot 10^{-6}$	$1.655 \cdot 10^{-6}$	0
cHWB	$-2.015 \cdot 10^{-8}$	$-2.015 \cdot 10^{-8}$	0	$1.755 \cdot 10^{-8}$	$1.755 \cdot 10^{-8}$	0
cHWBtil	$-1.582 \cdot 10^{-8}$	$-1.582 \cdot 10^{-8}$	0	$4.42 \cdot 10^{-8}$	$4.42 \cdot 10^{-8}$	0
cHWtil	$-5.876 \cdot 10^{-10}$	$-5.876 \cdot 10^{-10}$	0	$3.28 \cdot 10^{-8}$	$3.28 \cdot 10^{-8}$	0
cHl311	$2.663 \cdot 10^{-9}$	$2.663 \cdot 10^{-9}$	0	$1.207 \cdot 10^{-8}$	$1.207 \cdot 10^{-8}$	0
cHl322	$-5.228 \cdot 10^{-8}$	$-5.228 \cdot 10^{-8}$	0	$2.377 \cdot 10^{-9}$	$2.377 \cdot 10^{-9}$	0
cW	$9.898 \cdot 10^{-8}$	$9.898 \cdot 10^{-8}$	0	$6.531 \cdot 10^{-7}$	$6.531 \cdot 10^{-7}$	0
cWtil	$-5.602 \cdot 10^{-9}$	$-5.602 \cdot 10^{-9}$	0	$3.441 \cdot 10^{-8}$	$3.441 \cdot 10^{-8}$	0
ceBIm11	$8.948 \cdot 10^{-14}$	$8.948 \cdot 10^{-14}$	0	$7.908 \cdot 10^{-8}$	$7.908 \cdot 10^{-8}$	0
ceBRe11	$-1.607 \cdot 10^{-12}$	$-1.607 \cdot 10^{-12}$	0	$2.455 \cdot 10^{-7}$	$2.455 \cdot 10^{-7}$	0
ceHIm11	$-3.451 \cdot 10^{-13}$	$-3.451 \cdot 10^{-13}$	0	$5.332 \cdot 10^{-9}$	$5.332 \cdot 10^{-9}$	0
ceHRe11	$2.623 \cdot 10^{-11}$	$2.623 \cdot 10^{-11}$	0	$4.01 \cdot 10^{-7}$	$4.01 \cdot 10^{-7}$	0
ceWRe11	$-1.177 \cdot 10^{-12}$	$-1.177 \cdot 10^{-12}$	0	$1.174 \cdot 10^{-6}$	$1.174 \cdot 10^{-6}$	0
cll1221	$1.782 \cdot 10^{-8}$	$1.782 \cdot 10^{-8}$	0	$4.05 \cdot 10^{-10}$	$4.05 \cdot 10^{-10}$	0
sm	0	0	0	$2.948 \cdot 10^{-10}$	$2.948 \cdot 10^{-10}$	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	$-4.719 \cdot 10^{-5}$	$-4.719 \cdot 10^{-5}$	0	$3.576 \cdot 10^{-7}$	$3.576 \cdot 10^{-7}$	0
cHW	0.006514	0.006514	0	0.03055	0.03055	0
cHWtil	$-2.022 \cdot 10^{-11}$	$-2.022 \cdot 10^{-11}$	0	0.03185	0.03185	0
cHl311	-0.0007822	-0.0007822	0	$2.371 \cdot 10^{-5}$	$2.371 \cdot 10^{-5}$	0
cHl322	0.1351	0.1351	0	0.6295	0.6295	0
ceHIm22	$6.775 \cdot 10^{-8}$	$6.775 \cdot 10^{-8}$	0	0.02143	0.02143	0
ceHRe22	$-1.158 \cdot 10^{-5}$	$-1.158 \cdot 10^{-5}$	0	0.02107	0.02107	0
ceWIm22	$-2.356 \cdot 10^{-8}$	$-2.356 \cdot 10^{-8}$	0	0.4923	0.4923	0
ceWRe22	$-1.238 \cdot 10^{-5}$	$-1.238 \cdot 10^{-5}$	0	0.6806	0.6806	0
c1l1221	0.0003335	0.0003335	0	$5.054 \cdot 10^{-6}$	$5.054 \cdot 10^{-6}$	0
sm	0	0	0	0.007452	0.007452	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	$-3.976 \cdot 10^{-6}$	$-3.976 \cdot 10^{-6}$	0	0.007175	0.007175	0
cHBtil	$-7.139 \cdot 10^{-10}$	$-7.139 \cdot 10^{-10}$	0	0.005093	0.005093	0
cHDD	-0.0008759	-0.0008759	0	$2.978 \cdot 10^{-5}$	$2.978 \cdot 10^{-5}$	0
cHW	$-1.267 \cdot 10^{-5}$	$-1.267 \cdot 10^{-5}$	0	0.01303	0.01303	0
cHWB	$-1.889 \cdot 10^{-5}$	$-1.889 \cdot 10^{-5}$	0	0.009422	0.009422	0
cHWBtil	$7.472 \cdot 10^{-10}$	$7.472 \cdot 10^{-10}$	0	0.007197	0.007197	0
cHWtil	$-6.222 \cdot 10^{-10}$	$-6.222 \cdot 10^{-10}$	0	0.009097	0.009097	0
cHl311	$-8.868 \cdot 10^{-6}$	$-8.868 \cdot 10^{-6}$	0	$2.688 \cdot 10^{-7}$	$2.688 \cdot 10^{-7}$	0
cHl322	$-9.368 \cdot 10^{-6}$	$-9.368 \cdot 10^{-6}$	0	$2.84 \cdot 10^{-7}$	$2.84 \cdot 10^{-7}$	0

cbBIm	$-2.665 \cdot 10^{-20}$	$-2.665 \cdot 10^{-20}$	0	1.197	1.197	0
cbBRe	$-1.284 \cdot 10^{-5}$	$-1.284 \cdot 10^{-5}$	0	0.3315	0.3315	0
cbHIm	$1.714 \cdot 10^{-18}$	$1.714 \cdot 10^{-18}$	0	0.04106	0.04106	0
cbHRe	-0.0003693	-0.0003693	0	0.0004663	0.0004663	0
cbWIm	$-1.075 \cdot 10^{-23}$	$-1.075 \cdot 10^{-23}$	0	0.5975	0.5975	0
cbWRe	$1.25 \cdot 10^{-6}$	$1.25 \cdot 10^{-6}$	0	0.5223	0.5223	0
c111221	$5.667 \cdot 10^{-6}$	$5.667 \cdot 10^{-6}$	0	$8.589 \cdot 10^{-8}$	$8.589 \cdot 10^{-8}$	0
sm	0	0	0	$8.495 \cdot 10^{-5}$	$8.495 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-5.333 \cdot 10^{-7}$	$-5.333 \cdot 10^{-7}$	0	0.01824	0.01824	0
cHBtil	$8.41 \cdot 10^{-11}$	$8.41 \cdot 10^{-11}$	0	0.01669	0.01669	0
cHDD	$-6.839 \cdot 10^{-6}$	$-6.839 \cdot 10^{-6}$	0	$2.325 \cdot 10^{-7}$	$2.325 \cdot 10^{-7}$	0
cHW	$-2.077 \cdot 10^{-7}$	$-2.077 \cdot 10^{-7}$	0	0.009423	0.009423	0
cHWB	$-7.553 \cdot 10^{-6}$	$-7.553 \cdot 10^{-6}$	0	0.01375	0.01375	0
cHWBtil	$4.102 \cdot 10^{-10}$	$4.102 \cdot 10^{-10}$	0	0.01439	0.01439	0
cHWtil	$3.898 \cdot 10^{-10}$	$3.898 \cdot 10^{-10}$	0	0.01101	0.01101	0
cH1311	$-3.364 \cdot 10^{-6}$	$-3.364 \cdot 10^{-6}$	0	$1.02 \cdot 10^{-7}$	$1.02 \cdot 10^{-7}$	0
cH1322	$-5.047 \cdot 10^{-6}$	$-5.047 \cdot 10^{-6}$	0	$1.53 \cdot 10^{-7}$	$1.53 \cdot 10^{-7}$	0
c111221	$4.099 \cdot 10^{-6}$	$4.099 \cdot 10^{-6}$	0	$6.212 \cdot 10^{-8}$	$6.212 \cdot 10^{-8}$	0
cuBIm	$1.507 \cdot 10^{-21}$	$1.507 \cdot 10^{-21}$	$6.02 \cdot 10^{-5}$	$7.318 \cdot 10^{-5}$	$7.318 \cdot 10^{-5}$	$2.87 \cdot 10^{-7}$
cuBRe	$7.623 \cdot 10^{-10}$	$7.623 \cdot 10^{-10}$	$1.443 \cdot 10^{-7}$	0.0001214	0.0001214	$2.47 \cdot 10^{-7}$
cuHIm	$-2.014 \cdot 10^{-28}$	$-1.509 \cdot 10^{-28}$	0.2507	$1.285 \cdot 10^{-7}$	$1.285 \cdot 10^{-7}$	$3.113 \cdot 10^{-7}$
cuHRe	$-3.364 \cdot 10^{-6}$	$-3.364 \cdot 10^{-6}$	$1.486 \cdot 10^{-7}$	$1.02 \cdot 10^{-7}$	$1.02 \cdot 10^{-7}$	$2.942 \cdot 10^{-7}$
cuWIm	$3.744 \cdot 10^{-22}$	$3.743 \cdot 10^{-22}$	$8.86 \cdot 10^{-5}$	$1.739 \cdot 10^{-5}$	$1.739 \cdot 10^{-5}$	$2.874 \cdot 10^{-7}$
sm	0	0	0	$5.205 \cdot 10^{-5}$	$5.205 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	$-1.456 \cdot 10^{-11}$	$-1.456 \cdot 10^{-11}$	0	0.008394	0.008394	0
cHBtil	$2.569 \cdot 10^{-15}$	$2.569 \cdot 10^{-15}$	0	0.006077	0.006077	0
cHDD	$-1.272 \cdot 10^{-11}$	$-1.272 \cdot 10^{-11}$	0	$4.325 \cdot 10^{-13}$	$4.325 \cdot 10^{-13}$	0
cHW	$-1.24 \cdot 10^{-11}$	$-1.24 \cdot 10^{-11}$	0	0.0125	0.0125	0
cHWB	$-2.466 \cdot 10^{-11}$	$-2.466 \cdot 10^{-11}$	0	0.009927	0.009927	0
cHWBtil	$-2.678 \cdot 10^{-16}$	$-2.678 \cdot 10^{-16}$	0	0.006574	0.006574	0
cHWtil	$-2.379 \cdot 10^{-15}$	$-2.379 \cdot 10^{-15}$	0	0.01077	0.01077	0
cHl311	$-6.067 \cdot 10^{-10}$	$-6.067 \cdot 10^{-10}$	0	$1.839 \cdot 10^{-11}$	$1.839 \cdot 10^{-11}$	0
cHl322	$-1.63 \cdot 10^{-11}$	$-1.63 \cdot 10^{-11}$	0	$4.942 \cdot 10^{-13}$	$4.942 \cdot 10^{-13}$	0
cdBIm	$3.782 \cdot 10^{-28}$	$3.782 \cdot 10^{-28}$	$-5.816 \cdot 10^{-7}$	$1.169 \cdot 10^{-9}$	$1.169 \cdot 10^{-9}$	$-1.198 \cdot 10^{-6}$
cdBRe	$-3.485 \cdot 10^{-19}$	$-3.485 \cdot 10^{-19}$	$-5.739 \cdot 10^{-7}$	$3.253 \cdot 10^{-10}$	$3.253 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cdHIm	$8.078 \cdot 10^{-28}$	$8.078 \cdot 10^{-28}$	0	$3.387 \cdot 10^{-13}$	$3.387 \cdot 10^{-13}$	$-1.152 \cdot 10^{-6}$
cdHRe	$-6.067 \cdot 10^{-10}$	$-6.067 \cdot 10^{-10}$	$-5.934 \cdot 10^{-7}$	$1.839 \cdot 10^{-11}$	$1.839 \cdot 10^{-11}$	$-1.142 \cdot 10^{-6}$
cdWIm	$-3.007 \cdot 10^{-27}$	$-3.007 \cdot 10^{-27}$	$-5.986 \cdot 10^{-7}$	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
cdWRe	$1.866 \cdot 10^{-19}$	$1.866 \cdot 10^{-19}$	$-5.895 \cdot 10^{-7}$	$9.328 \cdot 10^{-11}$	$9.328 \cdot 10^{-11}$	$-1.169 \cdot 10^{-6}$
cll1221	$5.919 \cdot 10^{-12}$	$5.919 \cdot 10^{-12}$	0	$8.971 \cdot 10^{-14}$	$8.971 \cdot 10^{-14}$	0
sm	0	0	0	$1.69 \cdot 10^{-10}$	$1.69 \cdot 10^{-10}$	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	$-7.697 \cdot 10^{-14}$	$-7.697 \cdot 10^{-14}$	0	0.01607	0.01607	0
cHBtil	$-2.135 \cdot 10^{-17}$	$-2.135 \cdot 10^{-17}$	0	0.01665	0.01665	0
cHDD	$-9.142 \cdot 10^{-13}$	$-9.142 \cdot 10^{-13}$	0	$3.109 \cdot 10^{-14}$	$3.109 \cdot 10^{-14}$	0

cHW	$-2.086 \cdot 10^{-13}$	$-2.086 \cdot 10^{-13}$	0	0.004396	0.004396	0
cHWB	$-1.217 \cdot 10^{-12}$	$-1.217 \cdot 10^{-12}$	0	0.007723	0.007723	0
cHWBtil	$-2.455 \cdot 10^{-17}$	$-2.455 \cdot 10^{-17}$	0	0.006538	0.006538	0
cHWtil	$4.312 \cdot 10^{-18}$	$4.312 \cdot 10^{-18}$	0	0.002932	0.002932	0
cHl311	$-1.023 \cdot 10^{-12}$	$-1.023 \cdot 10^{-12}$	0	$3.1 \cdot 10^{-14}$	$3.1 \cdot 10^{-14}$	0
cHl322	$-1.032 \cdot 10^{-12}$	$-1.032 \cdot 10^{-12}$	0	$3.128 \cdot 10^{-14}$	$3.128 \cdot 10^{-14}$	0
ceBIIm11	$-1.096 \cdot 10^{-23}$	$-1.096 \cdot 10^{-23}$	0	0.2474	0.2474	0
ceBRe11	$-6.656 \cdot 10^{-18}$	$-6.656 \cdot 10^{-18}$	0	0.3786	0.3786	0
ceHIIm11	$1.654 \cdot 10^{-23}$	$1.654 \cdot 10^{-23}$	0	0.003632	0.003632	0
ceHRe11	$-1.435 \cdot 10^{-7}$	$-1.435 \cdot 10^{-7}$	0	0.001482	0.001482	0
ceWRe11	$1.822 \cdot 10^{-18}$	$1.822 \cdot 10^{-18}$	0	0.2223	0.2223	0
cll1221	$6.234 \cdot 10^{-13}$	$6.234 \cdot 10^{-13}$	0	$9.449 \cdot 10^{-15}$	$9.449 \cdot 10^{-15}$	0
sm	0	0	0	$8.928 \cdot 10^{-12}$	$8.928 \cdot 10^{-12}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	-0.03256	-0.03256	0	0.02081	0.02081	0
cHBtil	$8.077 \cdot 10^{-5}$	$8.077 \cdot 10^{-5}$	0	0.02462	0.02462	0
cHDD	-0.07207	-0.07207	0	0.002451	0.002451	0
cHW	-0.03258	-0.03258	0	0.01178	0.01178	0
cHWB	-0.1285	-0.1285	0	0.0175	0.0175	0
cHWBtil	$1.388 \cdot 10^{-5}$	$1.388 \cdot 10^{-5}$	0	0.01277	0.01277	0
cHWtil	$-9.393 \cdot 10^{-5}$	$-9.393 \cdot 10^{-5}$	0	0.01294	0.01294	0
cHl311	-0.05015	-0.05015	0	0.00152	0.00152	0
cHl322	-0.1933	-0.1933	0	0.005861	0.005861	0
cll1221	0.02696	0.02696	0	0.0004086	0.0004086	0
ctBIIm	$1.479 \cdot 10^{-16}$	$1.479 \cdot 10^{-16}$	0	1.259	1.259	0

ctHIm	$-1.748 \cdot 10^{-18}$	$-1.748 \cdot 10^{-18}$	0	0.005527	0.005527	0
ctHRe	-0.1669	-0.1669	0	0.005099	0.005099	0
ctWIm	$1.355 \cdot 10^{-18}$	$1.355 \cdot 10^{-18}$	0	0.6374	0.6374	0
ctWRe	0.2654	0.2654	0	0.4703	0.4703	0
sm	0	0	0	2.341	2.341	0

1.32 $H z \rightarrow \mu^+ \mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.0003301	0.0003301	0	0.003899	0.003899	0
cHBtil	$-5.068 \cdot 10^{-8}$	$-5.068 \cdot 10^{-8}$	0	0.002786	0.002786	0
cHDD	$6.74 \cdot 10^{-5}$	$6.74 \cdot 10^{-5}$	0	$2.925 \cdot 10^{-5}$	$2.925 \cdot 10^{-5}$	0
cHW	0.001542	0.001542	0	0.007831	0.007831	0
cHWB	0.000682	0.000682	0	0.002033	0.002033	0
cHWBtil	$-1.222 \cdot 10^{-7}$	$-1.222 \cdot 10^{-7}$	0	0.002209	0.002209	0
cHWtil	$6.939 \cdot 10^{-10}$	$6.939 \cdot 10^{-10}$	0	0.006758	0.006758	0
cHe22	-0.04239	-0.04239	0	0.3467	0.3467	0
cHl122	0.04421	0.04421	0	0.2908	0.2908	0
cHl311	-0.0003526	-0.0003526	0	$1.069 \cdot 10^{-5}$	$1.069 \cdot 10^{-5}$	0
cHl322	0.04771	0.04771	0	0.3133	0.3133	0
ceBIm22	$1.684 \cdot 10^{-8}$	$1.684 \cdot 10^{-8}$	0	0.1093	0.1093	0
ceBRe22	$-9.112 \cdot 10^{-7}$	$-9.112 \cdot 10^{-7}$	0	0.1262	0.1262	0
ceHIm22	$4.306 \cdot 10^{-12}$	$4.306 \cdot 10^{-12}$	0	0.02035	0.02035	0
ceHRe22	$-1.313 \cdot 10^{-6}$	$-1.313 \cdot 10^{-6}$	0	0.02045	0.02045	0
ceWIm22	$-3.739 \cdot 10^{-8}$	$-3.739 \cdot 10^{-8}$	0	0.3173	0.3173	0
ceWRe22	$-1.702 \cdot 10^{-6}$	$-1.702 \cdot 10^{-6}$	0	0.1039	0.1039	0
c111221	$1.714 \cdot 10^{-5}$	$1.714 \cdot 10^{-5}$	0	$2.598 \cdot 10^{-7}$	$2.598 \cdot 10^{-7}$	0
sm	0	0	0	0.001223	0.001223	0

1.33 $H\bar{z} \rightarrow \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	0.0007685	0.0007685	0	0.0006244	0.0006244	0
cHBtil	$6.776 \cdot 10^{-21}$	$6.776 \cdot 10^{-21}$	0	0.0005853	0.0005853	0
cHDD	$1.079 \cdot 10^{-19}$	$1.079 \cdot 10^{-19}$	0	$1.119 \cdot 10^{-35}$	$1.119 \cdot 10^{-35}$	0
cHW	0.00362	0.00362	0	0.01025	0.01025	0
cHWB	0.001774	0.001774	0	0.002692	0.002692	0
cHWBtil	$-7.454 \cdot 10^{-20}$	$-7.454 \cdot 10^{-20}$	0	0.003094	0.003094	0
cHWtil	$-1.412 \cdot 10^{-22}$	$-1.412 \cdot 10^{-22}$	0	0.01305	0.01305	0
cHl133	-0.08573	-0.08573	0	0.3125	0.3125	0
cHl311	-0.0005905	-0.0005905	0	$1.79 \cdot 10^{-5}$	$1.79 \cdot 10^{-5}$	0
cHl322	-0.0003523	-0.0003523	0	$1.068 \cdot 10^{-5}$	$1.068 \cdot 10^{-5}$	0
c111221	0.000112	0.000112	0	$1.697 \cdot 10^{-6}$	$1.697 \cdot 10^{-6}$	0
sm	0	0	0	0.005414	0.005414	0

1.34 $H\bar{z} \rightarrow b\bar{b}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	0.00115	0.00115	0	0.001355	0.001355	0
cHBtil	$-1.945 \cdot 10^{-7}$	$-1.945 \cdot 10^{-7}$	0	0.001078	0.001078	0
cHDD	$9.723 \cdot 10^{-5}$	$9.723 \cdot 10^{-5}$	0	$1.193 \cdot 10^{-5}$	$1.193 \cdot 10^{-5}$	0
cHQ1	0.1557	0.1557	0	0.6719	0.6719	0
cHQ3	0.2213	0.2213	0	0.9528	0.9528	0
cHW	0.009514	0.009514	0	0.03193	0.03193	0
cHWB	0.003276	0.003276	0	0.004021	0.004021	0
cHWBtil	$-8.548 \cdot 10^{-8}$	$-8.548 \cdot 10^{-8}$	0	0.003494	0.003494	0

cHWtil	$1.912 \cdot 10^{-8}$	$1.912 \cdot 10^{-8}$	0	0.02041	0.02041	0
cHbq	-0.01864	-0.01864	0	0.4877	0.4877	0
cHl311	-0.0008365	-0.0008365	0	$2.536 \cdot 10^{-5}$	$2.536 \cdot 10^{-5}$	0
cHl322	-0.001476	-0.001476	0	$4.475 \cdot 10^{-5}$	$4.475 \cdot 10^{-5}$	0
cbBIIm	$-2.779 \cdot 10^{-6}$	$-2.779 \cdot 10^{-6}$	0	0.2038	0.2038	0
cbBRe	-0.0006987	-0.0006987	0	0.2863	0.2863	0
cbHIIm	$1.765 \cdot 10^{-8}$	$1.765 \cdot 10^{-8}$	0	0.06655	0.06655	0
cbHRe	-0.02806	-0.02806	0	0.09707	0.09707	0
cbWIm	$1.847 \cdot 10^{-6}$	$1.847 \cdot 10^{-6}$	0	1.494	1.494	0
cbWRe	-0.001305	-0.001305	0	1.199	1.199	0
cll1221	0.0006782	0.0006782	0	$1.028 \cdot 10^{-5}$	$1.028 \cdot 10^{-5}$	0
sm	0	0	0	0.01079	0.01079	0

1.35 $H_z \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.001081	0.001081	0	0.001258	0.001258	0
cHBtil	$-3.425 \cdot 10^{-7}$	$-3.425 \cdot 10^{-7}$	0	0.001387	0.001387	0
cHDD	0.0003012	0.0003012	0	$6.735 \cdot 10^{-6}$	$6.735 \cdot 10^{-6}$	0
cHW	0.006166	0.006166	0	0.02049	0.02049	0
cHWB	0.002859	0.002859	0	0.003302	0.003302	0
cHWBtil	$6.947 \cdot 10^{-8}$	$6.947 \cdot 10^{-8}$	0	0.00341	0.00341	0
cHWtil	$-4.234 \cdot 10^{-7}$	$-4.234 \cdot 10^{-7}$	0	0.03575	0.03575	0
cHd	-0.04261	-0.04261	0	1.045	1.045	0
cHj1	0.1745	0.1745	0	0.7473	0.7473	0
cHj3	0.1321	0.1321	0	0.5654	0.5654	0
cHl311	-0.001715	-0.001715	0	$5.198 \cdot 10^{-5}$	$5.198 \cdot 10^{-5}$	0
cHl322	-0.0002854	-0.0002854	0	$8.652 \cdot 10^{-6}$	$8.652 \cdot 10^{-6}$	0

cdBIm	$2.437 \cdot 10^{-11}$	$2.437 \cdot 10^{-11}$	$3.283 \cdot 10^{-7}$	$9.159 \cdot 10^{-8}$	$9.159 \cdot 10^{-8}$	$6.332 \cdot 10^{-7}$
cdBRe	$-8.321 \cdot 10^{-9}$	$-8.321 \cdot 10^{-9}$	$3.125 \cdot 10^{-7}$	$6.524 \cdot 10^{-8}$	$6.524 \cdot 10^{-8}$	$6.284 \cdot 10^{-7}$
cdHIm	$-1.151 \cdot 10^{-14}$	$-1.151 \cdot 10^{-14}$	$2.606 \cdot 10^{-7}$	$1.746 \cdot 10^{-8}$	$1.746 \cdot 10^{-8}$	$6.3 \cdot 10^{-7}$
cdHRe	$-4.021 \cdot 10^{-10}$	$-4.021 \cdot 10^{-10}$	$3.233 \cdot 10^{-7}$	$1.746 \cdot 10^{-8}$	$1.746 \cdot 10^{-8}$	$6.3 \cdot 10^{-7}$
cdWIm	$5.755 \cdot 10^{-11}$	$5.755 \cdot 10^{-11}$	$3.302 \cdot 10^{-7}$	$2.359 \cdot 10^{-7}$	$2.359 \cdot 10^{-7}$	$6.357 \cdot 10^{-7}$
cdWRe	$-1.554 \cdot 10^{-8}$	$-1.554 \cdot 10^{-8}$	$3.218 \cdot 10^{-7}$	$2.275 \cdot 10^{-7}$	$2.275 \cdot 10^{-7}$	$6.593 \cdot 10^{-7}$
cll1221	0.0008907	0.0008907	0	$1.35 \cdot 10^{-5}$	$1.35 \cdot 10^{-5}$	0
sm	0	0	0	0.002803	0.002803	0

1.36 $H_z \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	-0.01222	-0.01222	0	0.004164	0.004164	0
cHBtil	$-6.381 \cdot 10^{-5}$	$-6.381 \cdot 10^{-5}$	0	0.006783	0.006783	0
cHDD	-0.002253	-0.002253	0	0.01604	0.01604	0
cHQ1	1.604	1.604	0	0.298	0.298	0
cHQ3	-1.973	-1.973	0	0.6405	0.6405	0
cHW	-0.08269	-0.08269	0	0.03501	0.03501	0
cHWB	-0.01627	-0.01627	0	0.007793	0.007793	0
cHWBtil	$-5.131 \cdot 10^{-6}$	$-5.131 \cdot 10^{-6}$	0	0.004699	0.004699	0
cHWtil	$1.108 \cdot 10^{-5}$	$1.108 \cdot 10^{-5}$	0	0.02922	0.02922	0
cHl311	-0.5189	-0.5189	0	0.01573	0.01573	0
cHl322	-0.3308	-0.3308	0	0.01003	0.01003	0
cHt	-2.22	-2.22	0	1.271	1.271	0
cll1221	0.1799	0.1799	0	0.002726	0.002726	0
ctBIm	-0.0002479	-0.0002479	0	0.5783	0.5783	0
ctHIm	0.000397	0.000397	0	0.06503	0.06503	0
ctHRe	-0.02447	-0.02447	0	0.06527	0.06527	0

ctWIm	$6.743 \cdot 10^{-5}$	$6.743 \cdot 10^{-5}$	0	1.285	1.285	0
ctWRe	0.04633	0.04633	0	2.598	2.598	0
sm	0	0	0	6.452	6.452	0

1.37 $H z \rightarrow u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.0005915	0.0005915	0	0.005405	0.005405	0
cHBtil	$3.204 \cdot 10^{-7}$	$3.204 \cdot 10^{-7}$	0	0.003462	0.003462	0
cHDD	$9.114 \cdot 10^{-5}$	$9.114 \cdot 10^{-5}$	0	$7.056 \cdot 10^{-6}$	$7.056 \cdot 10^{-6}$	0
cHW	0.006045	0.006045	0	0.02428	0.02428	0
cHWB	0.003297	0.003297	0	0.006171	0.006171	0
cHWBtil	$-1.312 \cdot 10^{-7}$	$-1.312 \cdot 10^{-7}$	0	0.003375	0.003375	0
cHWtil	$8.442 \cdot 10^{-7}$	$8.442 \cdot 10^{-7}$	0	0.03557	0.03557	0
cHj1	-0.034	-0.034	0	0.1763	0.1763	0
cHj3	0.1821	0.1821	0	0.9445	0.9445	0
cHl311	-0.0007462	-0.0007462	0	$2.262 \cdot 10^{-5}$	$2.262 \cdot 10^{-5}$	0
cHl322	-0.001394	-0.001394	0	$4.226 \cdot 10^{-5}$	$4.226 \cdot 10^{-5}$	0
cll1221	0.0006581	0.0006581	0	$9.974 \cdot 10^{-6}$	$9.974 \cdot 10^{-6}$	0
cuBIm	$-4.782 \cdot 10^{-15}$	$-4.782 \cdot 10^{-15}$	$-7.319 \cdot 10^{-7}$	$6.809 \cdot 10^{-11}$	$6.809 \cdot 10^{-11}$	$-1.454 \cdot 10^{-6}$
cuBRe	$2.591 \cdot 10^{-12}$	$2.591 \cdot 10^{-12}$	$-7.333 \cdot 10^{-7}$	$6.341 \cdot 10^{-11}$	$6.341 \cdot 10^{-11}$	$-1.451 \cdot 10^{-6}$
cuHIm	$3.766 \cdot 10^{-18}$	$3.766 \cdot 10^{-18}$	$-7.17 \cdot 10^{-7}$	$9.366 \cdot 10^{-12}$	$9.366 \cdot 10^{-12}$	$-1.452 \cdot 10^{-6}$
cuHRe	$-3.974 \cdot 10^{-12}$	$-3.974 \cdot 10^{-12}$	$-7.045 \cdot 10^{-7}$	$9.536 \cdot 10^{-12}$	$9.536 \cdot 10^{-12}$	$-1.447 \cdot 10^{-6}$
cuWIm	$-5.801 \cdot 10^{-15}$	$-5.801 \cdot 10^{-15}$	$-7.241 \cdot 10^{-7}$	$2.432 \cdot 10^{-10}$	$2.432 \cdot 10^{-10}$	$-1.439 \cdot 10^{-6}$
sm	0	0	0	0.01151	0.01151	0

1.38 $W^+W^- \rightarrow Hb\bar{b}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cH	$-3.096 \cdot 10^{-10}$	$-3.096 \cdot 10^{-10}$	0	$1.315 \cdot 10^{-10}$	$1.315 \cdot 10^{-10}$	0
cHB	$-1.41 \cdot 10^{-8}$	$-1.41 \cdot 10^{-8}$	0	$1.295 \cdot 10^{-10}$	$1.295 \cdot 10^{-10}$	0
cHBtil	$5.015 \cdot 10^{-9}$	$5.015 \cdot 10^{-9}$	0	$6.862 \cdot 10^{-12}$	$6.862 \cdot 10^{-12}$	0
cHDD	$-2.576 \cdot 10^{-7}$	$-2.576 \cdot 10^{-7}$	0	$3.015 \cdot 10^{-9}$	$3.015 \cdot 10^{-9}$	0
cHQ1	$8.422 \cdot 10^{-7}$	$8.422 \cdot 10^{-7}$	0	$1.274 \cdot 10^{-7}$	$1.274 \cdot 10^{-7}$	0
cHQ3	$-1.648 \cdot 10^{-5}$	$-1.648 \cdot 10^{-5}$	0	$9.448 \cdot 10^{-7}$	$9.448 \cdot 10^{-7}$	0
cHW	$-7.675 \cdot 10^{-8}$	$-7.675 \cdot 10^{-8}$	0	$4.835 \cdot 10^{-8}$	$4.835 \cdot 10^{-8}$	0
cHWB	$-1.064 \cdot 10^{-7}$	$-1.064 \cdot 10^{-7}$	0	$1.396 \cdot 10^{-8}$	$1.396 \cdot 10^{-8}$	0
cHWBtil	$-2.296 \cdot 10^{-8}$	$-2.296 \cdot 10^{-8}$	0	$1.636 \cdot 10^{-8}$	$1.636 \cdot 10^{-8}$	0
cHWtil	$2.8 \cdot 10^{-8}$	$2.8 \cdot 10^{-8}$	0	$1.858 \cdot 10^{-8}$	$1.858 \cdot 10^{-8}$	0
cHbq	$-3.001 \cdot 10^{-8}$	$-3.001 \cdot 10^{-8}$	0	$4.907 \cdot 10^{-7}$	$4.907 \cdot 10^{-7}$	0
cHl311	$-5.391 \cdot 10^{-6}$	$-5.391 \cdot 10^{-6}$	0	$2.451 \cdot 10^{-7}$	$2.451 \cdot 10^{-7}$	0
cHl322	$-1.008 \cdot 10^{-6}$	$-1.008 \cdot 10^{-6}$	0	$4.585 \cdot 10^{-8}$	$4.585 \cdot 10^{-8}$	0
cHtbIm	$-7.873 \cdot 10^{-9}$	$-7.873 \cdot 10^{-9}$	0	$3.703 \cdot 10^{-7}$	$3.703 \cdot 10^{-7}$	0
cHtbRe	$-3.095 \cdot 10^{-8}$	$-3.095 \cdot 10^{-8}$	0	$2.439 \cdot 10^{-7}$	$2.439 \cdot 10^{-7}$	0
cW	$-2.143 \cdot 10^{-8}$	$-2.143 \cdot 10^{-8}$	0	$8.478 \cdot 10^{-7}$	$8.478 \cdot 10^{-7}$	0
cWtil	$2.881 \cdot 10^{-7}$	$2.881 \cdot 10^{-7}$	0	$8.697 \cdot 10^{-7}$	$8.697 \cdot 10^{-7}$	0
cbBIIm	$-1.226 \cdot 10^{-10}$	$-1.226 \cdot 10^{-10}$	0	$5.001 \cdot 10^{-9}$	$5.001 \cdot 10^{-9}$	0
cbBRe	$4.697 \cdot 10^{-9}$	$4.697 \cdot 10^{-9}$	0	$4.542 \cdot 10^{-9}$	$4.542 \cdot 10^{-9}$	0
cbHIIm	$8.752 \cdot 10^{-9}$	$8.752 \cdot 10^{-9}$	0	$2.367 \cdot 10^{-7}$	$2.367 \cdot 10^{-7}$	0
cbHRe	$1.127 \cdot 10^{-7}$	$1.127 \cdot 10^{-7}$	0	$4.266 \cdot 10^{-7}$	$4.266 \cdot 10^{-7}$	0
cbWIIm	$-2.977 \cdot 10^{-8}$	$-2.977 \cdot 10^{-8}$	0	$4.104 \cdot 10^{-6}$	$4.104 \cdot 10^{-6}$	0
cbWRe	$7.506 \cdot 10^{-9}$	$7.506 \cdot 10^{-9}$	0	$1.583 \cdot 10^{-6}$	$1.583 \cdot 10^{-6}$	0
c1l1221	$4.668 \cdot 10^{-8}$	$4.668 \cdot 10^{-8}$	0	$1.061 \cdot 10^{-9}$	$1.061 \cdot 10^{-9}$	0
ctHIIm	$-9.944 \cdot 10^{-8}$	$-9.944 \cdot 10^{-8}$	0	$1.323 \cdot 10^{-9}$	$1.323 \cdot 10^{-9}$	0
ctHRe	$4.103 \cdot 10^{-7}$	$4.103 \cdot 10^{-7}$	0	$3.39 \cdot 10^{-8}$	$3.39 \cdot 10^{-8}$	0
ctWIIm	$-1.492 \cdot 10^{-6}$	$-1.492 \cdot 10^{-6}$	0	$2.5 \cdot 10^{-6}$	$2.5 \cdot 10^{-6}$	0

ctWRe	$8.329 \cdot 10^{-7}$	$8.329 \cdot 10^{-7}$	0	$2.624 \cdot 10^{-6}$	$2.624 \cdot 10^{-6}$	0
sm	0	0	0	$1.453 \cdot 10^{-5}$	$1.453 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.397 \cdot 10^{-10}$	$1.397 \cdot 10^{-10}$	0	$3.43 \cdot 10^{-11}$	$3.43 \cdot 10^{-11}$	0
cHB	$1.782 \cdot 10^{-8}$	$1.782 \cdot 10^{-8}$	0	$1.227 \cdot 10^{-9}$	$1.227 \cdot 10^{-9}$	0
cHBtil	$-3.782 \cdot 10^{-9}$	$-3.782 \cdot 10^{-9}$	0	$1.35 \cdot 10^{-9}$	$1.35 \cdot 10^{-9}$	0
cHDD	$-2.77 \cdot 10^{-8}$	$-2.77 \cdot 10^{-8}$	0	$5.016 \cdot 10^{-10}$	$5.016 \cdot 10^{-10}$	0
cHW	$-1.331 \cdot 10^{-7}$	$-1.331 \cdot 10^{-7}$	0	$7.849 \cdot 10^{-8}$	$7.849 \cdot 10^{-8}$	0
cHWB	$8.005 \cdot 10^{-9}$	$8.005 \cdot 10^{-9}$	0	$2.039 \cdot 10^{-7}$	$2.039 \cdot 10^{-7}$	0
cHWBtil	$8.743 \cdot 10^{-8}$	$8.743 \cdot 10^{-8}$	0	$4.798 \cdot 10^{-7}$	$4.798 \cdot 10^{-7}$	0
cHWtil	$5.25 \cdot 10^{-7}$	$5.25 \cdot 10^{-7}$	0	$4.741 \cdot 10^{-6}$	$4.741 \cdot 10^{-6}$	0
cHj1	$-7.341 \cdot 10^{-7}$	$-7.341 \cdot 10^{-7}$	0	$6.91 \cdot 10^{-7}$	$6.91 \cdot 10^{-7}$	0
cHj3	$-5.551 \cdot 10^{-5}$	$-5.551 \cdot 10^{-5}$	0	$5.722 \cdot 10^{-5}$	$5.722 \cdot 10^{-5}$	0
cHl311	$-4.628 \cdot 10^{-7}$	$-4.628 \cdot 10^{-7}$	0	$2.104 \cdot 10^{-8}$	$2.104 \cdot 10^{-8}$	0
cHl322	$-1.206 \cdot 10^{-7}$	$-1.206 \cdot 10^{-7}$	0	$5.482 \cdot 10^{-9}$	$5.482 \cdot 10^{-9}$	0
cHudIm	$5.296 \cdot 10^{-18}$	$5.296 \cdot 10^{-18}$	$4.721 \cdot 10^{-7}$	$6.235 \cdot 10^{-24}$	$6.235 \cdot 10^{-24}$	$9.462 \cdot 10^{-7}$
cHudRe	$-4.459 \cdot 10^{-18}$	$-4.459 \cdot 10^{-18}$	$4.709 \cdot 10^{-7}$	$9.064 \cdot 10^{-25}$	$9.064 \cdot 10^{-25}$	$9.488 \cdot 10^{-7}$
cW	$-1.859 \cdot 10^{-7}$	$-1.859 \cdot 10^{-7}$	0	$4.46 \cdot 10^{-7}$	$4.46 \cdot 10^{-7}$	0
cWtil	$2.509 \cdot 10^{-8}$	$2.509 \cdot 10^{-8}$	0	$4.036 \cdot 10^{-7}$	$4.036 \cdot 10^{-7}$	0
cdHIm	$-6.869 \cdot 10^{-13}$	$-6.869 \cdot 10^{-13}$	$3.203 \cdot 10^{-7}$	$9.567 \cdot 10^{-21}$	$9.567 \cdot 10^{-21}$	$6.271 \cdot 10^{-7}$
cdHRe	$2.712 \cdot 10^{-13}$	$2.712 \cdot 10^{-13}$	$3.318 \cdot 10^{-7}$	$7.707 \cdot 10^{-21}$	$7.707 \cdot 10^{-21}$	$6.228 \cdot 10^{-7}$
cdWIm	$1.776 \cdot 10^{-11}$	$1.776 \cdot 10^{-11}$	$2.816 \cdot 10^{-7}$	$2.426 \cdot 10^{-17}$	$2.426 \cdot 10^{-17}$	$6.183 \cdot 10^{-7}$
cdWRe	$-1.638 \cdot 10^{-13}$	$-1.638 \cdot 10^{-13}$	$3.052 \cdot 10^{-7}$	$2.762 \cdot 10^{-19}$	$2.762 \cdot 10^{-19}$	$6.518 \cdot 10^{-7}$
c111221	$7.45 \cdot 10^{-8}$	$7.45 \cdot 10^{-8}$	0	$1.694 \cdot 10^{-9}$	$1.694 \cdot 10^{-9}$	0
cuBIm	$2.386 \cdot 10^{-11}$	$2.386 \cdot 10^{-11}$	$1.258 \cdot 10^{-7}$	$4.839 \cdot 10^{-13}$	$4.839 \cdot 10^{-13}$	$2.893 \cdot 10^{-7}$

cuBRe	$-6.127 \cdot 10^{-11}$	$-6.127 \cdot 10^{-11}$	$1.469 \cdot 10^{-7}$	$9.68 \cdot 10^{-12}$	$9.68 \cdot 10^{-12}$	$2.789 \cdot 10^{-7}$
cuHIm	$4.825 \cdot 10^{-11}$	$4.825 \cdot 10^{-11}$	$1.451 \cdot 10^{-7}$	$1.667 \cdot 10^{-12}$	$1.667 \cdot 10^{-12}$	$2.999 \cdot 10^{-7}$
cuHRe	$-1.183 \cdot 10^{-11}$	$-1.183 \cdot 10^{-11}$	$1.69 \cdot 10^{-7}$	$2.14 \cdot 10^{-12}$	$2.14 \cdot 10^{-12}$	$2.804 \cdot 10^{-7}$
cuWIm	$1.771 \cdot 10^{-10}$	$1.771 \cdot 10^{-10}$	$1.129 \cdot 10^{-7}$	$1.077 \cdot 10^{-10}$	$1.077 \cdot 10^{-10}$	$2.784 \cdot 10^{-7}$
sm	0	0	0	$3.795 \cdot 10^{-7}$	$3.795 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$9.491 \cdot 10^{-16}$	$9.491 \cdot 10^{-16}$	0	$2.515 \cdot 10^{-16}$	$2.515 \cdot 10^{-16}$	0
cHB	$-2.681 \cdot 10^{-8}$	$-2.681 \cdot 10^{-8}$	0	$3.063 \cdot 10^{-10}$	$3.063 \cdot 10^{-10}$	0
cHBtil	$-4.614 \cdot 10^{-9}$	$-4.614 \cdot 10^{-9}$	0	$1.167 \cdot 10^{-10}$	$1.167 \cdot 10^{-10}$	0
cHDD	$-2.649 \cdot 10^{-7}$	$-2.649 \cdot 10^{-7}$	0	$3.708 \cdot 10^{-9}$	$3.708 \cdot 10^{-9}$	0
cHW	$-2.675 \cdot 10^{-6}$	$-2.675 \cdot 10^{-6}$	0	$1.138 \cdot 10^{-5}$	$1.138 \cdot 10^{-5}$	0
cHWB	$-2.598 \cdot 10^{-8}$	$-2.598 \cdot 10^{-8}$	0	$1.542 \cdot 10^{-8}$	$1.542 \cdot 10^{-8}$	0
cHWBtil	$-3.298 \cdot 10^{-9}$	$-3.298 \cdot 10^{-9}$	0	$1.401 \cdot 10^{-8}$	$1.401 \cdot 10^{-8}$	0
cHWtil	$7.293 \cdot 10^{-7}$	$7.293 \cdot 10^{-7}$	0	$1.58 \cdot 10^{-6}$	$1.58 \cdot 10^{-6}$	0
cHd	$-1.555 \cdot 10^{-7}$	$-1.555 \cdot 10^{-7}$	0	$8.943 \cdot 10^{-7}$	$8.943 \cdot 10^{-7}$	0
cHj1	$4.919 \cdot 10^{-6}$	$4.919 \cdot 10^{-6}$	0	$2.799 \cdot 10^{-7}$	$2.799 \cdot 10^{-7}$	0
cHj3	$8.424 \cdot 10^{-7}$	$8.424 \cdot 10^{-7}$	0	$8.571 \cdot 10^{-7}$	$8.571 \cdot 10^{-7}$	0
cHl311	$-3.494 \cdot 10^{-7}$	$-3.494 \cdot 10^{-7}$	0	$1.589 \cdot 10^{-8}$	$1.589 \cdot 10^{-8}$	0
cHl322	$-2.237 \cdot 10^{-7}$	$-2.237 \cdot 10^{-7}$	0	$1.017 \cdot 10^{-8}$	$1.017 \cdot 10^{-8}$	0
cHudIm	$1.782 \cdot 10^{-25}$	$1.782 \cdot 10^{-25}$	$-1.347 \cdot 10^{-6}$	$2.18 \cdot 10^{-35}$	$2.18 \cdot 10^{-35}$	$-2.66 \cdot 10^{-6}$
cHudRe	$-4.241 \cdot 10^{-24}$	$-4.241 \cdot 10^{-24}$	$-1.344 \cdot 10^{-6}$	$3.508 \cdot 10^{-35}$	$3.508 \cdot 10^{-35}$	$-2.651 \cdot 10^{-6}$
cW	$-2.003 \cdot 10^{-8}$	$-2.003 \cdot 10^{-8}$	0	$2.382 \cdot 10^{-6}$	$2.382 \cdot 10^{-6}$	0
cWtil	$1.954 \cdot 10^{-7}$	$1.954 \cdot 10^{-7}$	0	$4.626 \cdot 10^{-7}$	$4.626 \cdot 10^{-7}$	0
cdBIm	$-4.263 \cdot 10^{-16}$	$-4.263 \cdot 10^{-16}$	$-5.864 \cdot 10^{-7}$	$2.43 \cdot 10^{-18}$	$2.43 \cdot 10^{-18}$	$-1.194 \cdot 10^{-6}$
cdBRe	$1.297 \cdot 10^{-16}$	$1.297 \cdot 10^{-16}$	$-6.168 \cdot 10^{-7}$	$5.219 \cdot 10^{-18}$	$5.219 \cdot 10^{-18}$	$-1.169 \cdot 10^{-6}$

cdHIm	$-2.511 \cdot 10^{-16}$	$-2.511 \cdot 10^{-16}$	$-5.973 \cdot 10^{-7}$	$8.428 \cdot 10^{-17}$	$8.428 \cdot 10^{-17}$	$-1.175 \cdot 10^{-6}$
cdHRe	$-1.176 \cdot 10^{-16}$	$-1.176 \cdot 10^{-16}$	$-5.951 \cdot 10^{-7}$	$3.727 \cdot 10^{-17}$	$3.727 \cdot 10^{-17}$	$-1.181 \cdot 10^{-6}$
cdWIm	$7.359 \cdot 10^{-16}$	$7.359 \cdot 10^{-16}$	$-5.843 \cdot 10^{-7}$	$7.448 \cdot 10^{-16}$	$7.448 \cdot 10^{-16}$	$-1.168 \cdot 10^{-6}$
cdWRe	$2.182 \cdot 10^{-16}$	$2.182 \cdot 10^{-16}$	$-5.959 \cdot 10^{-7}$	$2.275 \cdot 10^{-15}$	$2.275 \cdot 10^{-15}$	$-1.143 \cdot 10^{-6}$
cll1221	$7.225 \cdot 10^{-6}$	$7.225 \cdot 10^{-6}$	0	$1.643 \cdot 10^{-7}$	$1.643 \cdot 10^{-7}$	0
cuHIm	$-5.805 \cdot 10^{-17}$	$-5.805 \cdot 10^{-17}$	$-7.235 \cdot 10^{-7}$	$1.491 \cdot 10^{-27}$	$1.491 \cdot 10^{-27}$	$-1.475 \cdot 10^{-6}$
cuHRe	$1.179 \cdot 10^{-16}$	$1.179 \cdot 10^{-16}$	$-6.784 \cdot 10^{-7}$	$3.74 \cdot 10^{-27}$	$3.74 \cdot 10^{-27}$	$-1.444 \cdot 10^{-6}$
cuWIm	$8.9 \cdot 10^{-17}$	$8.9 \cdot 10^{-17}$	$-7.191 \cdot 10^{-7}$	$1.378 \cdot 10^{-25}$	$1.378 \cdot 10^{-25}$	$-1.452 \cdot 10^{-6}$
sm	0	0	0	$2.204 \cdot 10^{-6}$	$2.204 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$2.769 \cdot 10^{-7}$	$2.769 \cdot 10^{-7}$	0	$5.769 \cdot 10^{-8}$	$5.769 \cdot 10^{-8}$	0
cHB	$2.639 \cdot 10^{-8}$	$2.639 \cdot 10^{-8}$	0	$7.342 \cdot 10^{-10}$	$7.342 \cdot 10^{-10}$	0
cHBtil	$-8.031 \cdot 10^{-9}$	$-8.031 \cdot 10^{-9}$	0	$5.795 \cdot 10^{-11}$	$5.795 \cdot 10^{-11}$	0
cHDD	$-2.676 \cdot 10^{-7}$	$-2.676 \cdot 10^{-7}$	0	$3.002 \cdot 10^{-7}$	$3.002 \cdot 10^{-7}$	0
cHQ1	$-4.062 \cdot 10^{-7}$	$-4.062 \cdot 10^{-7}$	0	$1.91 \cdot 10^{-6}$	$1.91 \cdot 10^{-6}$	0
cHQ3	$5.637 \cdot 10^{-6}$	$5.637 \cdot 10^{-6}$	0	$8.383 \cdot 10^{-6}$	$8.383 \cdot 10^{-6}$	0
cHW	$-9.358 \cdot 10^{-7}$	$-9.358 \cdot 10^{-7}$	0	$1.928 \cdot 10^{-5}$	$1.928 \cdot 10^{-5}$	0
cHWB	$2.32 \cdot 10^{-5}$	$2.32 \cdot 10^{-5}$	0	$7.45 \cdot 10^{-7}$	$7.45 \cdot 10^{-7}$	0
cHWBtil	$1.96 \cdot 10^{-8}$	$1.96 \cdot 10^{-8}$	0	$1.844 \cdot 10^{-7}$	$1.844 \cdot 10^{-7}$	0
cHWtil	$1.861 \cdot 10^{-7}$	$1.861 \cdot 10^{-7}$	0	$2.509 \cdot 10^{-5}$	$2.509 \cdot 10^{-5}$	0
cHl311	$-1.802 \cdot 10^{-5}$	$-1.802 \cdot 10^{-5}$	0	$8.192 \cdot 10^{-7}$	$8.192 \cdot 10^{-7}$	0
cHl322	$-2.368 \cdot 10^{-6}$	$-2.368 \cdot 10^{-6}$	0	$1.077 \cdot 10^{-7}$	$1.077 \cdot 10^{-7}$	0
cHt	$2.019 \cdot 10^{-5}$	$2.019 \cdot 10^{-5}$	0	$7.366 \cdot 10^{-7}$	$7.366 \cdot 10^{-7}$	0
cHtbIm	$-4.241 \cdot 10^{-8}$	$-4.241 \cdot 10^{-8}$	0	$1.654 \cdot 10^{-9}$	$1.654 \cdot 10^{-9}$	0
cHtbRe	$-5.255 \cdot 10^{-7}$	$-5.255 \cdot 10^{-7}$	0	$2.009 \cdot 10^{-9}$	$2.009 \cdot 10^{-9}$	0

cW	$-6.19 \cdot 10^{-7}$	$-6.19 \cdot 10^{-7}$	0	$5.731 \cdot 10^{-6}$	$5.731 \cdot 10^{-6}$	0
cWtil	$5.107 \cdot 10^{-7}$	$5.107 \cdot 10^{-7}$	0	$4.477 \cdot 10^{-6}$	$4.477 \cdot 10^{-6}$	0
cbHIm	$5.843 \cdot 10^{-10}$	$5.843 \cdot 10^{-10}$	0	$1.427 \cdot 10^{-12}$	$1.427 \cdot 10^{-12}$	0
cbHRe	$7.057 \cdot 10^{-9}$	$7.057 \cdot 10^{-9}$	0	$1.248 \cdot 10^{-11}$	$1.248 \cdot 10^{-11}$	0
cbWIm	$-3.23 \cdot 10^{-9}$	$-3.23 \cdot 10^{-9}$	0	$3.81 \cdot 10^{-8}$	$3.81 \cdot 10^{-8}$	0
cbWRe	$-1.28 \cdot 10^{-7}$	$-1.28 \cdot 10^{-7}$	0	$1.193 \cdot 10^{-8}$	$1.193 \cdot 10^{-8}$	0
cll1221	$2.181 \cdot 10^{-7}$	$2.181 \cdot 10^{-7}$	0	$4.958 \cdot 10^{-9}$	$4.958 \cdot 10^{-9}$	0
ctBIm	$2.888 \cdot 10^{-7}$	$2.888 \cdot 10^{-7}$	0	$5.866 \cdot 10^{-8}$	$5.866 \cdot 10^{-8}$	0
ctHIm	$9.834 \cdot 10^{-7}$	$9.834 \cdot 10^{-7}$	0	$2.77 \cdot 10^{-7}$	$2.77 \cdot 10^{-7}$	0
ctHRe	$-8.812 \cdot 10^{-8}$	$-8.812 \cdot 10^{-8}$	0	$7.631 \cdot 10^{-7}$	$7.631 \cdot 10^{-7}$	0
ctWIm	$-6.905 \cdot 10^{-7}$	$-6.905 \cdot 10^{-7}$	0	$2.401 \cdot 10^{-5}$	$2.401 \cdot 10^{-5}$	0
ctWRe	$2.501 \cdot 10^{-5}$	$2.501 \cdot 10^{-5}$	0	$7.639 \cdot 10^{-5}$	$7.639 \cdot 10^{-5}$	0
sm	0	0	0	$7.602 \cdot 10^{-6}$	$7.602 \cdot 10^{-6}$	0

1.42 $W^+W^- \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	2.515	2.515	0	0.03812	0.03812	0
cHW	0.2915	0.2915	0	3.341	3.341	0
cHWB	0.6213	0.6213	0	0.04208	0.04208	0
cHWBtil	$-2.013 \cdot 10^{-15}$	$-2.013 \cdot 10^{-15}$	0	0.001982	0.001982	0
cHWtil	$-2.755 \cdot 10^{-15}$	$-2.755 \cdot 10^{-15}$	0	3.439	3.439	0
cHl311	-1.139	-1.139	0	0.03454	0.03454	0
cHl322	-5.053	-5.053	0	0.1532	0.1532	0
cW	0.04155	0.04155	0	0.4104	0.4104	0
cWtil	$4.762 \cdot 10^{-14}$	$1.237 \cdot 10^{-13}$	-1.598	6.927	6.927	0
cll1221	0.6226	0.6226	0	0.009436	0.009436	0
sm	0	0	0	26.54	26.54	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	-0.04495	-0.04495	0	0.2771	0.2771	0
cHBtil	$-1.718 \cdot 10^{-17}$	$-1.718 \cdot 10^{-17}$	0	0.2771	0.2771	0
cHDD	-0.02145	-0.02145	0	0.001133	0.001133	0
cHW	-0.01318	-0.01318	0	0.02279	0.02279	0
cHWB	-0.04994	-0.04994	0	0.08126	0.08126	0
cHWBtil	$-3.41 \cdot 10^{-17}$	$-3.41 \cdot 10^{-17}$	0	0.07495	0.07495	0
cHWtil	$-1.34 \cdot 10^{-17}$	$-1.34 \cdot 10^{-17}$	0	0.02279	0.02279	0
cHl311	-0.04842	-0.04842	0	0.001468	0.001468	0
cHl322	-0.009239	-0.009239	0	0.0002801	0.0002801	0
cW	0.0005342	0.0005342	0	0.6648	0.6648	0
cWtil	$8.222 \cdot 10^{-18}$	$8.217 \cdot 10^{-18}$	0.0006639	0.6626	0.6626	0
cll1221	0.004412	0.004412	0	$6.686 \cdot 10^{-5}$	$6.686 \cdot 10^{-5}$	0
sm	0	0	0	0.09284	0.09284	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	$-1.189 \cdot 10^{-8}$	$-1.189 \cdot 10^{-8}$	0	$1.33 \cdot 10^{-7}$	$1.33 \cdot 10^{-7}$	0
cHBtil	$-2.577 \cdot 10^{-9}$	$-2.577 \cdot 10^{-9}$	0	$1.453 \cdot 10^{-7}$	$1.453 \cdot 10^{-7}$	0
cHDD	$-3.321 \cdot 10^{-7}$	$-3.321 \cdot 10^{-7}$	0	$2.633 \cdot 10^{-8}$	$2.633 \cdot 10^{-8}$	0
cHW	$3.524 \cdot 10^{-9}$	$3.524 \cdot 10^{-9}$	0	$2.47 \cdot 10^{-8}$	$2.47 \cdot 10^{-8}$	0
cHWB	$-3.571 \cdot 10^{-7}$	$-3.571 \cdot 10^{-7}$	0	$1.322 \cdot 10^{-7}$	$1.322 \cdot 10^{-7}$	0
cHWBtil	$1.14 \cdot 10^{-8}$	$1.14 \cdot 10^{-8}$	0	$8.041 \cdot 10^{-8}$	$8.041 \cdot 10^{-8}$	0
cHWtil	$-8.243 \cdot 10^{-10}$	$-8.243 \cdot 10^{-10}$	0	$2.561 \cdot 10^{-9}$	$2.561 \cdot 10^{-9}$	0

cHl311	$-3.929 \cdot 10^{-6}$	$-3.929 \cdot 10^{-6}$	0	$1.787 \cdot 10^{-7}$	$1.787 \cdot 10^{-7}$	0
cHl322	$-9.117 \cdot 10^{-8}$	$-9.117 \cdot 10^{-8}$	0	$4.145 \cdot 10^{-9}$	$4.145 \cdot 10^{-9}$	0
cW	$-1.081 \cdot 10^{-6}$	$-1.081 \cdot 10^{-6}$	0	$1.631 \cdot 10^{-6}$	$1.631 \cdot 10^{-6}$	0
cWtil	$1.011 \cdot 10^{-6}$	$1.011 \cdot 10^{-6}$	0	$1.886 \cdot 10^{-6}$	$1.886 \cdot 10^{-6}$	0
c111221	$8.682 \cdot 10^{-8}$	$8.682 \cdot 10^{-8}$	0	$1.974 \cdot 10^{-9}$	$1.974 \cdot 10^{-9}$	0
sm	0	0	0	$6.386 \cdot 10^{-6}$	$6.386 \cdot 10^{-6}$	0

1.45 $\bar{b}t \rightarrow \bar{d}u$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHQ3	0.0008963	0.0008963	0	$2.717 \cdot 10^{-5}$	$2.717 \cdot 10^{-5}$	0
cHj3	0.000155	0.000155	0	$4.698 \cdot 10^{-6}$	$4.698 \cdot 10^{-6}$	0
cHl311	-0.001622	-0.001622	0	$4.917 \cdot 10^{-5}$	$4.917 \cdot 10^{-5}$	0
cHl322	$-1.658 \cdot 10^{-5}$	$-1.658 \cdot 10^{-5}$	0	$5.025 \cdot 10^{-7}$	$5.025 \cdot 10^{-7}$	0
cHtbIm	$-3.644 \cdot 10^{-21}$	$-3.644 \cdot 10^{-21}$	0	$3.806 \cdot 10^{-6}$	$3.806 \cdot 10^{-6}$	0
cHtbRe	$-2.016 \cdot 10^{-6}$	$-2.016 \cdot 10^{-6}$	0	$6.552 \cdot 10^{-7}$	$6.552 \cdot 10^{-7}$	0
cHudIm	$1.681 \cdot 10^{-37}$	$-4.089 \cdot 10^{-38}$	1.243	$1.338 \cdot 10^{-25}$	$1.338 \cdot 10^{-25}$	$-2.691 \cdot 10^{-6}$
cHudRe	$3.298 \cdot 10^{-21}$	$3.298 \cdot 10^{-21}$	$-1.334 \cdot 10^{-6}$	$1.767 \cdot 10^{-24}$	$1.767 \cdot 10^{-24}$	$-2.66 \cdot 10^{-6}$
cQj31	0.007809	0.007809	0	0.0364	0.0364	0
cQj38	$1.589 \cdot 10^{-10}$	$6.744 \cdot 10^{-19}$	1	0.02468	0.02468	0
cQtjd1Im	$6.058 \cdot 10^{-14}$	$6.058 \cdot 10^{-14}$	$-5.943 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cQtjd1Re	$-3.56 \cdot 10^{-10}$	$-3.56 \cdot 10^{-10}$	$-5.899 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cQtjd8Im	$3.841 \cdot 10^{-29}$	$-8.975 \cdot 10^{-29}$	3.336	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.176 \cdot 10^{-6}$
cQtjd8Re	$-5.039 \cdot 10^{-27}$	$2.088 \cdot 10^{-38}$	1	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.176 \cdot 10^{-6}$
cQujb1Im	$-6.61 \cdot 10^{-17}$	$-6.61 \cdot 10^{-17}$	$-7.261 \cdot 10^{-7}$	$1.485 \cdot 10^{-11}$	$1.485 \cdot 10^{-11}$	$-1.414 \cdot 10^{-6}$
cQujb1Re	$-5.952 \cdot 10^{-13}$	$-5.952 \cdot 10^{-13}$	$-7.225 \cdot 10^{-7}$	$3.536 \cdot 10^{-11}$	$3.536 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$
cQujb8Im	$-2.024 \cdot 10^{-17}$	$-2.024 \cdot 10^{-17}$	$-7.41 \cdot 10^{-7}$	$1.222 \cdot 10^{-13}$	$1.222 \cdot 10^{-13}$	$-1.391 \cdot 10^{-6}$
cQujb8Re	$-1.2 \cdot 10^{-13}$	$-1.2 \cdot 10^{-13}$	$-7.5 \cdot 10^{-7}$	$1.222 \cdot 10^{-13}$	$1.222 \cdot 10^{-13}$	$-1.391 \cdot 10^{-6}$
cbWIm	$-4.287 \cdot 10^{-19}$	$-4.287 \cdot 10^{-19}$	0	0.01094	0.01094	0

cbWRe	$-3.649 \cdot 10^{-5}$	$-3.649 \cdot 10^{-5}$	0	0.004372	0.004372	0
cdWIm	$8.824 \cdot 10^{-26}$	$8.861 \cdot 10^{-26}$	-0.0042	$5.056 \cdot 10^{-12}$	$5.056 \cdot 10^{-12}$	$-1.167 \cdot 10^{-6}$
cdWRe	$9.687 \cdot 10^{-15}$	$9.687 \cdot 10^{-15}$	$-5.884 \cdot 10^{-7}$	$3.772 \cdot 10^{-12}$	$3.772 \cdot 10^{-12}$	$-1.166 \cdot 10^{-6}$
cjQbd1Im	$-1.003 \cdot 10^{-15}$	$-1.003 \cdot 10^{-15}$	$-5.981 \cdot 10^{-7}$	$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.181 \cdot 10^{-6}$
cjQbd1Re	$5.955 \cdot 10^{-12}$	$5.955 \cdot 10^{-12}$	$-5.878 \cdot 10^{-7}$	$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cjQbd8Im	$-1.34 \cdot 10^{-15}$	$-1.34 \cdot 10^{-15}$	$-5.972 \cdot 10^{-7}$	$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.126 \cdot 10^{-6}$
cjQbd8Re	$7.864 \cdot 10^{-12}$	$7.864 \cdot 10^{-12}$	$-5.977 \cdot 10^{-7}$	$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.188 \cdot 10^{-6}$
cjQtu1Im	$8.542 \cdot 10^{-15}$	$8.542 \cdot 10^{-15}$	$-7.258 \cdot 10^{-7}$	$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.429 \cdot 10^{-6}$
cjQtu1Re	$5.062 \cdot 10^{-11}$	$5.062 \cdot 10^{-11}$	$-7.309 \cdot 10^{-7}$	$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.494 \cdot 10^{-6}$
cjQtu8Im	$1.15 \cdot 10^{-14}$	$1.15 \cdot 10^{-14}$	$-6.954 \cdot 10^{-7}$	$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.433 \cdot 10^{-6}$
cjQtu8Re	$6.748 \cdot 10^{-11}$	$6.748 \cdot 10^{-11}$	$-7.262 \cdot 10^{-7}$	$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
cjtQd1Im	$5.678 \cdot 10^{-15}$	$5.678 \cdot 10^{-15}$	$-5.812 \cdot 10^{-7}$	$1.433 \cdot 10^{-11}$	$1.433 \cdot 10^{-11}$	$-1.186 \cdot 10^{-6}$
cjtQd1Re	$-1.1 \cdot 10^{-10}$	$-1.1 \cdot 10^{-10}$	$-6.364 \cdot 10^{-7}$	$1.518 \cdot 10^{-10}$	$1.518 \cdot 10^{-10}$	$-1.186 \cdot 10^{-6}$
cjtQd8Im	$8.047 \cdot 10^{-15}$	$8.047 \cdot 10^{-15}$	$-5.841 \cdot 10^{-7}$	$3.596 \cdot 10^{-12}$	$3.596 \cdot 10^{-12}$	$-1.168 \cdot 10^{-6}$
cjtQd8Re	$-9.907 \cdot 10^{-11}$	$-9.907 \cdot 10^{-11}$	$-5.854 \cdot 10^{-7}$	$1.542 \cdot 10^{-11}$	$1.542 \cdot 10^{-11}$	$-1.167 \cdot 10^{-6}$
cjuQb1Im	$-3.197 \cdot 10^{-16}$	$-3.197 \cdot 10^{-16}$	$-7.195 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
cjuQb1Re	$-1.902 \cdot 10^{-12}$	$-1.902 \cdot 10^{-12}$	$-7.36 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.429 \cdot 10^{-6}$
cjuQb8Im	$-2.031 \cdot 10^{-29}$	$-8.296 \cdot 10^{-30}$	0.5915	$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
cjuQb8Re	$-2.666 \cdot 10^{-29}$	$-2.314 \cdot 10^{-29}$	0.1319	$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
cll1221	$1.51 \cdot 10^{-5}$	$1.51 \cdot 10^{-5}$	0	$2.289 \cdot 10^{-7}$	$2.289 \cdot 10^{-7}$	0
ctWIm	$7.012 \cdot 10^{-20}$	$7.012 \cdot 10^{-20}$	0	0.01119	0.01119	0
ctWRe	-0.004815	-0.004815	0	0.01077	0.01077	0
cuWIm	$-1.463 \cdot 10^{-26}$	$-1.454 \cdot 10^{-26}$	0.006133	$1.094 \cdot 10^{-12}$	$1.094 \cdot 10^{-12}$	$-1.371 \cdot 10^{-6}$
cutbd1Im	$8.818 \cdot 10^{-27}$	$8.818 \cdot 10^{-27}$	$-1.338 \cdot 10^{-6}$	$9.591 \cdot 10^{-21}$	$9.591 \cdot 10^{-21}$	$-2.669 \cdot 10^{-6}$
cutbd1Re	$-5.227 \cdot 10^{-23}$	$-5.227 \cdot 10^{-23}$	$-1.339 \cdot 10^{-6}$	$3.218 \cdot 10^{-20}$	$3.218 \cdot 10^{-20}$	$-2.673 \cdot 10^{-6}$
cutbd8Im	$1.176 \cdot 10^{-26}$	$1.176 \cdot 10^{-26}$	$-1.276 \cdot 10^{-6}$	$2.239 \cdot 10^{-22}$	$2.239 \cdot 10^{-22}$	$-2.68 \cdot 10^{-6}$
cutbd8Re	$-6.97 \cdot 10^{-23}$	$-6.97 \cdot 10^{-23}$	$-1.32 \cdot 10^{-6}$	$2.911 \cdot 10^{-21}$	$2.911 \cdot 10^{-21}$	$-2.646 \cdot 10^{-6}$
sm	0	0	0	0.01576	0.01576	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	-0.06812	-0.06812	0	0.156	0.156	0
cHBtil	$8.234 \cdot 10^{-16}$	$8.234 \cdot 10^{-16}$	0	0.07367	0.07367	0
cHDD	-0.02588	-0.02588	0	0.0004878	0.0004878	0
cHW	0.04747	0.04747	0	0.06296	0.06296	0
cHWB	0.06142	0.06142	0	0.4787	0.4787	0
cHWBtil	$2.64 \cdot 10^{-16}$	$2.64 \cdot 10^{-16}$	0	0.4716	0.4716	0
cHWtil	$-2.977 \cdot 10^{-17}$	$-2.977 \cdot 10^{-17}$	0	0.106	0.106	0
cHl311	-0.04476	-0.04476	0	0.001357	0.001357	0
cHl322	-0.03006	-0.03006	0	0.0009111	0.0009111	0
cW	0.003498	0.003498	0	1.913	1.913	0
cWtil	$2.081 \cdot 10^{-15}$	$3.203 \cdot 10^{-15}$	-0.5396	3.831	3.831	0
cll1221	0.0161	0.0161	0	0.000244	0.000244	0
sm	0	0	0	0.1973	0.1973	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	-0.001552	-0.001552	0	$9.644 \cdot 10^{-5}$	$9.644 \cdot 10^{-5}$	0
cHWB	-0.009911	-0.009911	0	0.0008985	0.0008985	0
cHe22	-0.0008	-0.0008	0	$1.233 \cdot 10^{-5}$	$1.233 \cdot 10^{-5}$	0
cHe33	0.0004132	0.0004132	0	$1.66 \cdot 10^{-5}$	$1.66 \cdot 10^{-5}$	0
cHl122	-0.0003452	-0.0003452	0	$1.133 \cdot 10^{-5}$	$1.133 \cdot 10^{-5}$	0
cHl133	-0.000157	-0.000157	0	$9.069 \cdot 10^{-6}$	$9.069 \cdot 10^{-6}$	0
cHl311	-0.001651	-0.001651	0	$5.005 \cdot 10^{-5}$	$5.005 \cdot 10^{-5}$	0

cH1322	-0.002553	-0.002553	0	$6.203 \cdot 10^{-5}$	$6.203 \cdot 10^{-5}$	0
ceBIm22	$1.989 \cdot 10^{-21}$	$1.989 \cdot 10^{-21}$	0	0.004184	0.004184	0
ceBIm33	$5.51 \cdot 10^{-21}$	$5.51 \cdot 10^{-21}$	0	0.00762	0.00762	0
ceBRe22	$5.258 \cdot 10^{-6}$	$5.258 \cdot 10^{-6}$	0	0.003621	0.003621	0
ceBRe33	0.0001492	0.0001492	0	0.00565	0.00565	0
ceHIm22	$7.283 \cdot 10^{-26}$	$7.283 \cdot 10^{-26}$	0	$9.878 \cdot 10^{-8}$	$9.878 \cdot 10^{-8}$	0
ceHIm33	$4.855 \cdot 10^{-28}$	$4.855 \cdot 10^{-28}$	0	$3.493 \cdot 10^{-10}$	$3.493 \cdot 10^{-10}$	0
ceHRe22	$-1.957 \cdot 10^{-9}$	$-1.957 \cdot 10^{-9}$	0	$9.878 \cdot 10^{-8}$	$9.878 \cdot 10^{-8}$	0
ceHRe33	$-1.163 \cdot 10^{-10}$	$-1.163 \cdot 10^{-10}$	0	$3.492 \cdot 10^{-10}$	$3.492 \cdot 10^{-10}$	0
ceWIm22	$7.611 \cdot 10^{-22}$	$7.611 \cdot 10^{-22}$	0	0.005072	0.005072	0
ceWIm33	$1.441 \cdot 10^{-21}$	$1.441 \cdot 10^{-21}$	0	0.006229	0.006229	0
ceWRe22	$-3.283 \cdot 10^{-6}$	$-3.283 \cdot 10^{-6}$	0	0.002282	0.002282	0
ceWRe33	$-5.043 \cdot 10^{-5}$	$-5.043 \cdot 10^{-5}$	0	0.0005002	0.0005002	0
cee2233	0.03998	0.03998	0	0.1632	0.1632	0
cle2332	$1.241 \cdot 10^{-5}$	$1.241 \cdot 10^{-5}$	0	2	2	0
cle3322	0.05422	0.05422	0	0.4455	0.4455	0
c111221	0.0004394	0.0004394	0	$6.659 \cdot 10^{-6}$	$6.659 \cdot 10^{-6}$	0
c112233	0.04268	0.04268	0	0.1552	0.1552	0
c112332	0.01689	0.01689	0	0.06142	0.06142	0
sm	0	0	0	0.02493	0.02493	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-1.171 \cdot 10^{-5}$	$-1.171 \cdot 10^{-5}$	0	$1.775 \cdot 10^{-7}$	$1.775 \cdot 10^{-7}$	0
cH1133	-0.02255	-0.02255	0	0.001367	0.001367	0
cH1311	$-6.407 \cdot 10^{-7}$	$-6.407 \cdot 10^{-7}$	0	$1.942 \cdot 10^{-8}$	$1.942 \cdot 10^{-8}$	0
cH1322	-0.0001266	-0.0001266	0	$3.836 \cdot 10^{-6}$	$3.836 \cdot 10^{-6}$	0

c111221	$3.047 \cdot 10^{-6}$	$3.047 \cdot 10^{-6}$	0	$4.618 \cdot 10^{-8}$	$4.618 \cdot 10^{-8}$	0
c113333	-1.843	-1.843	0	9.127	9.127	0
sm	0	0	0	0.04074	0.04074	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001433	-0.0001433	0	$2.171 \cdot 10^{-6}$	$2.171 \cdot 10^{-6}$	0
cH1111	-0.0001112	-0.0001112	0	$3.37 \cdot 10^{-6}$	$3.37 \cdot 10^{-6}$	0
cH1122	-0.001227	-0.001227	0	$3.72 \cdot 10^{-5}$	$3.72 \cdot 10^{-5}$	0
cH1311	$8.245 \cdot 10^{-22}$	$8.245 \cdot 10^{-22}$	0	$2.939 \cdot 10^{-39}$	$2.939 \cdot 10^{-39}$	0
cH1322	$-1.429 \cdot 10^{-19}$	$-1.429 \cdot 10^{-19}$	0	$2.941 \cdot 10^{-37}$	$2.941 \cdot 10^{-37}$	0
c111122	0.2638	0.2638	0	0.9535	0.9535	0
c111221	0.2441	0.2441	0	0.886	0.886	0
sm	0	0	0	0.01193	0.01193	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-3.892 \cdot 10^{-7}$	$-3.892 \cdot 10^{-7}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0
cHBtil	$6.275 \cdot 10^{-21}$	$6.275 \cdot 10^{-21}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0
cHDD	-0.00205	-0.00205	0	0.0001084	0.0001084	0
cHW	$-1.134 \cdot 10^{-7}$	$-1.134 \cdot 10^{-7}$	0	$5.97 \cdot 10^{-7}$	$5.97 \cdot 10^{-7}$	0
cHWB	$-3.803 \cdot 10^{-5}$	$-3.803 \cdot 10^{-5}$	0	$6.362 \cdot 10^{-6}$	$6.362 \cdot 10^{-6}$	0
cHWBtil	$5.942 \cdot 10^{-25}$	$5.942 \cdot 10^{-25}$	0	$2.082 \cdot 10^{-6}$	$2.082 \cdot 10^{-6}$	0
cHWtil	$1.797 \cdot 10^{-24}$	$1.797 \cdot 10^{-24}$	0	$5.97 \cdot 10^{-7}$	$5.97 \cdot 10^{-7}$	0
cH1311	$-3.967 \cdot 10^{-5}$	$-3.967 \cdot 10^{-5}$	0	$1.203 \cdot 10^{-6}$	$1.203 \cdot 10^{-6}$	0

cH1322	$-1.233 \cdot 10^{-5}$	$-1.233 \cdot 10^{-5}$	0	$3.738 \cdot 10^{-7}$	$3.738 \cdot 10^{-7}$	0
cbBIm	$-1.004 \cdot 10^{-23}$	$-4.289 \cdot 10^{-23}$	-3.273	0.00199	0.00199	0
cbBRe	$9.225 \cdot 10^{-6}$	$9.225 \cdot 10^{-6}$	0	0.00199	0.00199	0
cbWIm	$-6.013 \cdot 10^{-23}$	$-6.013 \cdot 10^{-23}$	0	0.0005705	0.0005705	0
cbWRe	$-4.012 \cdot 10^{-6}$	$-4.012 \cdot 10^{-6}$	0	0.0005706	0.0005706	0
c111221	$4.589 \cdot 10^{-6}$	$4.589 \cdot 10^{-6}$	0	$6.955 \cdot 10^{-8}$	$6.955 \cdot 10^{-8}$	0
sm	0	0	0	$7.482 \cdot 10^{-5}$	$7.482 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-3.345 \cdot 10^{-5}$	$-3.345 \cdot 10^{-5}$	0	$4.624 \cdot 10^{-6}$	$4.624 \cdot 10^{-6}$	0
cHQ1	0.0001829	0.0001829	0	$4.557 \cdot 10^{-6}$	$4.557 \cdot 10^{-6}$	0
cHQ3	$8.356 \cdot 10^{-5}$	$8.356 \cdot 10^{-5}$	0	$2.921 \cdot 10^{-6}$	$2.921 \cdot 10^{-6}$	0
cHWB	$-5.227 \cdot 10^{-5}$	$-5.227 \cdot 10^{-5}$	0	$1.437 \cdot 10^{-5}$	$1.437 \cdot 10^{-5}$	0
cHbq	$-8.574 \cdot 10^{-5}$	$-8.574 \cdot 10^{-5}$	0	$3.988 \cdot 10^{-6}$	$3.988 \cdot 10^{-6}$	0
cHe22	$-2.701 \cdot 10^{-5}$	$-2.701 \cdot 10^{-5}$	0	$2.526 \cdot 10^{-6}$	$2.526 \cdot 10^{-6}$	0
cH1122	0.0001851	0.0001851	0	$6.963 \cdot 10^{-6}$	$6.963 \cdot 10^{-6}$	0
cH1311	-0.0003162	-0.0003162	0	$9.585 \cdot 10^{-6}$	$9.585 \cdot 10^{-6}$	0
cH1322	$-2.695 \cdot 10^{-5}$	$-2.695 \cdot 10^{-5}$	0	$1.583 \cdot 10^{-6}$	$1.583 \cdot 10^{-6}$	0
cQe22	$-8.793 \cdot 10^{-5}$	$-8.793 \cdot 10^{-5}$	0	0.002124	0.002124	0
cQ1122	0.02569	0.02569	0	0.1325	0.1325	0
cQ1322	0.01804	0.01804	0	0.09302	0.09302	0
cbBIm	$-1.037 \cdot 10^{-22}$	$-1.037 \cdot 10^{-22}$	0	0.002981	0.002981	0
cbBRe	$4.522 \cdot 10^{-5}$	$4.522 \cdot 10^{-5}$	0	0.00216	0.00216	0
cbHIm	$4.174 \cdot 10^{-27}$	$4.174 \cdot 10^{-27}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
cbHRe	$-9.272 \cdot 10^{-11}$	$-9.272 \cdot 10^{-11}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
cbWIm	$-1.396 \cdot 10^{-22}$	$-1.396 \cdot 10^{-22}$	0	0.001965	0.001965	0

cbWRe	$-3.136 \cdot 10^{-5}$	$-3.136 \cdot 10^{-5}$	0	0.002045	0.002045	0
cbe22	0.007596	0.007596	0	0.09302	0.09302	0
cb122	0.003638	0.003638	0	0.08965	0.08965	0
ceBIm22	$-1.869 \cdot 10^{-23}$	$-1.869 \cdot 10^{-23}$	0	0.000346	0.000346	0
ceBRe22	$3.301 \cdot 10^{-8}$	$3.301 \cdot 10^{-8}$	0	0.0003211	0.0003211	0
ceHIm22	$-1.635 \cdot 10^{-25}$	$-1.635 \cdot 10^{-25}$	0	$1.822 \cdot 10^{-7}$	$1.822 \cdot 10^{-7}$	0
ceHRe22	$-3.662 \cdot 10^{-9}$	$-3.662 \cdot 10^{-9}$	0	$1.822 \cdot 10^{-7}$	$1.822 \cdot 10^{-7}$	0
ceWIm22	$-2.333 \cdot 10^{-23}$	$-2.333 \cdot 10^{-23}$	0	0.001715	0.001715	0
ceWRe22	$-1.413 \cdot 10^{-6}$	$-1.413 \cdot 10^{-6}$	0	0.0006418	0.0006418	0
clebQIm22	$7.087 \cdot 10^{-23}$	$7.087 \cdot 10^{-23}$	0	0.1667	0.1667	0
clebQRe22	$-4.912 \cdot 10^{-6}$	$-4.912 \cdot 10^{-6}$	0	0.1667	0.1667	0
cll1221	$3.859 \cdot 10^{-5}$	$3.859 \cdot 10^{-5}$	0	$5.849 \cdot 10^{-7}$	$5.849 \cdot 10^{-7}$	0
sm	0	0	0	0.001016	0.001016	0

1.52 $b\bar{b} \rightarrow \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	$-2.928 \cdot 10^{-5}$	$-2.928 \cdot 10^{-5}$	0	$1.219 \cdot 10^{-6}$	$1.219 \cdot 10^{-6}$	0
cHQ1	0.0002766	0.0002766	0	$9.846 \cdot 10^{-6}$	$9.846 \cdot 10^{-6}$	0
cHQ3	0.0002177	0.0002177	0	$7.749 \cdot 10^{-6}$	$7.749 \cdot 10^{-6}$	0
cHWB	$9.092 \cdot 10^{-5}$	$9.092 \cdot 10^{-5}$	0	$1.07 \cdot 10^{-6}$	$1.07 \cdot 10^{-6}$	0
cHbq	$-1.202 \cdot 10^{-5}$	$-1.202 \cdot 10^{-5}$	0	$2.455 \cdot 10^{-6}$	$2.455 \cdot 10^{-6}$	0
cH1111	$-5.283 \cdot 10^{-5}$	$-5.283 \cdot 10^{-5}$	0	$1.601 \cdot 10^{-6}$	$1.601 \cdot 10^{-6}$	0
cH1311	$7.843 \cdot 10^{-22}$	$7.937 \cdot 10^{-22}$	-0.01187	$4.191 \cdot 10^{-39}$	$4.287 \cdot 10^{-39}$	-0.02312
cH1322	-0.0001303	-0.0001303	0	$3.95 \cdot 10^{-6}$	$3.95 \cdot 10^{-6}$	0
cQ1111	$-1.647 \cdot 10^{-5}$	$-1.647 \cdot 10^{-5}$	0	$7.096 \cdot 10^{-5}$	$7.096 \cdot 10^{-5}$	0
cQ1311	0.0001869	0.0001869	0	0.0007945	0.0007945	0
cbBIm	$2.143 \cdot 10^{-21}$	$2.143 \cdot 10^{-21}$	0	$5.091 \cdot 10^{-5}$	$5.091 \cdot 10^{-5}$	0

cbBRe	$-2.364 \cdot 10^{-5}$	$-2.364 \cdot 10^{-5}$	0	0.000573	0.000573	0
cbWIm	$6.219 \cdot 10^{-20}$	$6.219 \cdot 10^{-20}$	0	0.002148	0.002148	0
cbWRe	$-2.781 \cdot 10^{-5}$	$-2.781 \cdot 10^{-5}$	0	0.002179	0.002179	0
cb111	0.004095	0.004095	0	0.09966	0.09966	0
cl11221	$6.259 \cdot 10^{-5}$	$6.259 \cdot 10^{-5}$	0	$9.487 \cdot 10^{-7}$	$9.487 \cdot 10^{-7}$	0
sm	0	0	0	0.001775	0.001775	0

1.53 $b\bar{b} \rightarrow b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-3.683 \cdot 10^{-6}$	$-3.683 \cdot 10^{-6}$	0	$3.436 \cdot 10^{-6}$	$3.436 \cdot 10^{-6}$	0
cHQ1	-0.002244	-0.002244	0	$2.573 \cdot 10^{-5}$	$2.573 \cdot 10^{-5}$	0
cHQ3	-0.02018	-0.02018	0	0.0002647	0.0002647	0
cHWB	0.009449	0.009449	0	$8.671 \cdot 10^{-5}$	$8.671 \cdot 10^{-5}$	0
cHbq	$1.871 \cdot 10^{-5}$	$1.871 \cdot 10^{-5}$	0	0.0002213	0.0002213	0
cH1311	0.0001023	0.0001023	0	$8.111 \cdot 10^{-7}$	$8.111 \cdot 10^{-7}$	0
cH1322	$8.466 \cdot 10^{-5}$	$8.466 \cdot 10^{-5}$	0	$7.512 \cdot 10^{-7}$	$7.512 \cdot 10^{-7}$	0
cQQ1	-1.773	-1.773	0	3.885	3.885	0
cQQ8	-0.03429	-0.03429	0	0.09617	0.09617	$-2.08 \cdot 10^{-8}$
cQb1	0.01726	0.01726	0	3.204	3.204	0
cQb8	-88.97	-88.97	0	0.4445	0.4445	0
cbBIIm	$7.597 \cdot 10^{-19}$	$7.603 \cdot 10^{-19}$	-0.0007433	0.006707	0.006707	0
cbBRe	0.0004022	0.0004022	0	0.005121	0.005121	0
cbGIIm	$5.933 \cdot 10^{-21}$	$5.933 \cdot 10^{-21}$	0	0.01243	0.01243	0
cbGRe	-0.01547	-0.01547	0	0.01389	0.01389	0
cbHIIm	$-5.255 \cdot 10^{-20}$	$-5.254 \cdot 10^{-20}$	0.0002239	$2.826 \cdot 10^{-6}$	$2.826 \cdot 10^{-6}$	0
cbHRe	0.003825	0.003825	0	$4.943 \cdot 10^{-6}$	$4.943 \cdot 10^{-6}$	0
cbWIm	$-5.499 \cdot 10^{-18}$	$-5.463 \cdot 10^{-18}$	0.006539	0.01432	0.01432	0

cbWRe	0.2655	0.2655	0	1.69	1.69	0
cbb	$8.568 \cdot 10^{-5}$	$8.568 \cdot 10^{-5}$	0	0.01127	0.01127	0
cl11221	0.9458	0.9458	0	0.02274	0.02274	0
sm	0	0	0	10.94	10.94	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001274	-0.0001274	0	$3.071 \cdot 10^{-6}$	$3.071 \cdot 10^{-6}$	0
cHQ1	0.00121	0.00121	0	$3.899 \cdot 10^{-5}$	$3.899 \cdot 10^{-5}$	0
cHQ3	0.000139	0.000139	0	$4.984 \cdot 10^{-6}$	$4.984 \cdot 10^{-6}$	0
cHWB	$2.027 \cdot 10^{-5}$	$2.027 \cdot 10^{-5}$	0	$1.103 \cdot 10^{-6}$	$1.103 \cdot 10^{-6}$	0
cHbq	$-2.569 \cdot 10^{-5}$	$-2.569 \cdot 10^{-5}$	0	$5.745 \cdot 10^{-6}$	$5.745 \cdot 10^{-6}$	0
cHd	$-7.933 \cdot 10^{-5}$	$-7.933 \cdot 10^{-5}$	0	$4.063 \cdot 10^{-5}$	$4.063 \cdot 10^{-5}$	0
cHj1	0.000139	0.000139	0	$4.983 \cdot 10^{-6}$	$4.983 \cdot 10^{-6}$	0
cHj3	0.0003525	0.0003525	0	$1.163 \cdot 10^{-5}$	$1.163 \cdot 10^{-5}$	0
cH1311	-0.001133	-0.001133	0	$3.433 \cdot 10^{-5}$	$3.433 \cdot 10^{-5}$	0
cH1322	-0.0001979	-0.0001979	0	$5.998 \cdot 10^{-6}$	$5.998 \cdot 10^{-6}$	0
cQd8	0.02044	0.02044	0	0.006895	0.006895	0
cQj11	0.04004	0.04004	0	0.1806	0.1806	0
cQj18	0.5525	0.5525	0	0.1865	0.1865	0
cQj31	$7.918 \cdot 10^{-5}$	$7.918 \cdot 10^{-5}$	0	0.0003583	0.0003583	0
cQj38	0.1447	0.1447	0	0.04882	0.04882	0
cbBIm	$-8.636 \cdot 10^{-21}$	$-8.636 \cdot 10^{-21}$	0	0.0009978	0.0009978	0
cbBRe	$-2.578 \cdot 10^{-5}$	$-2.578 \cdot 10^{-5}$	0	0.0004578	0.0004578	0
cbGIm	$-1.838 \cdot 10^{-25}$	$-1.838 \cdot 10^{-25}$	0	0.03667	0.03667	0
cbGRe	-0.004666	-0.004666	0	0.0144	0.0144	0
cbHIm	$-1.258 \cdot 10^{-29}$	$-1.258 \cdot 10^{-29}$	0	$6.823 \cdot 10^{-13}$	$6.823 \cdot 10^{-13}$	0

cbHRe	$-5.43 \cdot 10^{-13}$	$-5.43 \cdot 10^{-13}$	0	$6.822 \cdot 10^{-13}$	$6.822 \cdot 10^{-13}$	0
cbWIm	$-6.213 \cdot 10^{-19}$	$-6.213 \cdot 10^{-19}$	$2.366 \cdot 10^{-6}$	0.006407	0.006407	0
cbWRe	$-1.093 \cdot 10^{-5}$	$-1.093 \cdot 10^{-5}$	0	0.002513	0.002513	0
cbd1	0.004305	0.004305	0	0.1582	0.1582	0
cbd8	0.0076	0.0076	0	0.002561	0.002561	0
cbj1	$-9.401 \cdot 10^{-5}$	$-9.401 \cdot 10^{-5}$	0	0.007054	0.007054	0
cbj8	0.04669	0.04669	0	0.01575	0.01575	0
cdBIm	$3.484 \cdot 10^{-29}$	$-1.288 \cdot 10^{-29}$	1.37	$6.132 \cdot 10^{-13}$	$6.132 \cdot 10^{-13}$	$-1.158 \cdot 10^{-6}$
cdBRe	$-7.919 \cdot 10^{-13}$	$-7.919 \cdot 10^{-13}$	$-5.935 \cdot 10^{-7}$	$2.702 \cdot 10^{-13}$	$2.702 \cdot 10^{-13}$	$-1.184 \cdot 10^{-6}$
cdGIm	$-2.059 \cdot 10^{-27}$	$-2.476 \cdot 10^{-27}$	-0.203	$1.036 \cdot 10^{-11}$	$1.036 \cdot 10^{-11}$	$-1.158 \cdot 10^{-6}$
cdGRe	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-6.436 \cdot 10^{-7}$	$2.678 \cdot 10^{-11}$	$2.678 \cdot 10^{-11}$	$-1.158 \cdot 10^{-6}$
cdHIm	$1.918 \cdot 10^{-31}$	$1.877 \cdot 10^{-31}$	0.02142	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
cdHRe	$-1.304 \cdot 10^{-14}$	$-1.304 \cdot 10^{-14}$	$-6.137 \cdot 10^{-7}$	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
cdWIm	$6.542 \cdot 10^{-29}$	$8.204 \cdot 10^{-29}$	-0.2541	$4.697 \cdot 10^{-12}$	$4.697 \cdot 10^{-12}$	$-1.171 \cdot 10^{-6}$
cdWRe	$-5.687 \cdot 10^{-12}$	$-5.687 \cdot 10^{-12}$	$-5.803 \cdot 10^{-7}$	$1.701 \cdot 10^{-12}$	$1.701 \cdot 10^{-12}$	$-1.117 \cdot 10^{-6}$
cjQbd1Im	$3.949 \cdot 10^{-28}$	$-2.334 \cdot 10^{-28}$	1.591	$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$
cjQbd1Re	$1.37 \cdot 10^{-11}$	$1.37 \cdot 10^{-11}$	$-5.839 \cdot 10^{-7}$	$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$
cjQbd8Im	$1.118 \cdot 10^{-28}$	$-3.278 \cdot 10^{-28}$	3.932	$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$
cjQbd8Re	$1.58 \cdot 10^{-11}$	$1.58 \cdot 10^{-11}$	$-5.697 \cdot 10^{-7}$	$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$
cl11221	$1.336 \cdot 10^{-5}$	$1.336 \cdot 10^{-5}$	0	$2.025 \cdot 10^{-7}$	$2.025 \cdot 10^{-7}$	0
sm	0	0	0	0.6204	0.6204	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	0.00048	0.00048	0	$3.863 \cdot 10^{-6}$	$3.863 \cdot 10^{-6}$	0
cHQ1	-0.000623	-0.000623	0	$3.297 \cdot 10^{-6}$	$3.297 \cdot 10^{-6}$	0
cHQ3	0.009176	0.009176	0	0.004458	0.004458	0

cHWB	-0.0004979	-0.0004979	0	$1.618 \cdot 10^{-5}$	$1.618 \cdot 10^{-5}$	0
cHbq	-0.0001138	-0.0001138	0	$5.066 \cdot 10^{-6}$	$5.066 \cdot 10^{-6}$	0
cH1311	-0.00198	-0.00198	0	0.001057	0.001057	0
cH1322	-0.1796	-0.1796	0	0.008597	0.008597	0
cHt	-0.001949	-0.001949	0	$3.637 \cdot 10^{-5}$	$3.637 \cdot 10^{-5}$	0
cHtbIm	$1.208 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0.004017	0.00108	0.00108	0
cHtbRe	0.0005355	0.0005355	0	0.001098	0.001098	0
cQQ1	-0.3358	-0.3358	0	1.119	1.119	0
cQQ8	0.0916	0.0916	0	0.1229	0.1229	0
cQb1	-0.003975	-0.003975	0	0.1698	0.1698	0
cQb8	0.2102	0.2102	0	0.06435	0.06435	0
cQt1	-0.1558	-0.1558	0	0.1698	0.1698	0
cQt8	-0.09892	-0.09892	0	0.002677	0.002677	0
cQtQb1Im	$1.867 \cdot 10^{-18}$	$1.066 \cdot 10^{-18}$	0.4287	0.8542	0.8542	0
cQtQb1Re	0.001038	0.001038	0	1.091	1.091	0
cQtQb8Im	$-1.44 \cdot 10^{-18}$	$-1.197 \cdot 10^{-18}$	0.1685	0.1076	0.1076	0
cQtQb8Re	0.005479	0.005479	0	0.09513	0.09513	0
cbBIm	$1.049 \cdot 10^{-20}$	$1.049 \cdot 10^{-20}$	$3.509 \cdot 10^{-5}$	0.003297	0.003297	0
cbBRe	0.0002247	0.0002247	0	0.003228	0.003228	0
cbGIm	$-8.29 \cdot 10^{-20}$	$-8.29 \cdot 10^{-20}$	0	0.0219	0.0219	0
cbGRe	-0.004799	-0.004799	0	0.01335	0.01335	0
cbHIm	$-3.39 \cdot 10^{-20}$	$-9.809 \cdot 10^{-21}$	0.7107	0.0008223	0.0008223	0
cbHRe	-0.0004296	-0.0004296	0	0.0008222	0.0008222	0
cbWIm	$-1.835 \cdot 10^{-18}$	$-1.835 \cdot 10^{-18}$	0	0.949	0.949	0
cbWRe	-0.004634	-0.004634	0	0.08269	0.08269	0
c111221	0.003989	0.003989	0	0.0003063	0.0003063	0
ctBIm	$1.281 \cdot 10^{-18}$	$9.742 \cdot 10^{-19}$	0.2397	0.0008621	0.0008621	0
ctGIm	$1.554 \cdot 10^{-17}$	$1.554 \cdot 10^{-17}$	0	0.03392	0.03392	0
ctGRe	-0.1196	-0.1196	0	0.03049	0.03049	0

ctHIm	$-4.369 \cdot 10^{-22}$	$-4.369 \cdot 10^{-22}$	0	$5.466 \cdot 10^{-7}$	$5.466 \cdot 10^{-7}$	0
ctHRe	$-9.887 \cdot 10^{-6}$	$-9.887 \cdot 10^{-6}$	0	$4.813 \cdot 10^{-7}$	$4.813 \cdot 10^{-7}$	0
ctWIm	$-1.093 \cdot 10^{-17}$	$-1.093 \cdot 10^{-17}$	0	0.02017	0.02017	0
ctWRe	-0.02853	-0.02853	0	0.0159	0.0159	0
ctb1	-0.01921	-0.01921	0	0.3457	0.3457	0
sm	0	0	0	0.4167	0.4167	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	$-4.294 \cdot 10^{-5}$	$-4.294 \cdot 10^{-5}$	0	$3.333 \cdot 10^{-6}$	$3.333 \cdot 10^{-6}$	0
cHQ1	0.0003854	0.0003854	0	$1.179 \cdot 10^{-5}$	$1.179 \cdot 10^{-5}$	0
cHQ3	0.0006247	0.0006247	0	$1.807 \cdot 10^{-5}$	$1.807 \cdot 10^{-5}$	0
cHWB	$-6.567 \cdot 10^{-5}$	$-6.567 \cdot 10^{-5}$	0	$1.74 \cdot 10^{-5}$	$1.74 \cdot 10^{-5}$	0
cHbq	$3.692 \cdot 10^{-5}$	$3.692 \cdot 10^{-5}$	0	$2.023 \cdot 10^{-5}$	$2.023 \cdot 10^{-5}$	0
cHj1	-0.0007484	-0.0007484	0	$2.589 \cdot 10^{-5}$	$2.589 \cdot 10^{-5}$	0
cHj3	0.000124	0.000124	0	$5.305 \cdot 10^{-6}$	$5.305 \cdot 10^{-6}$	0
cH1311	$-8.011 \cdot 10^{-5}$	$-8.011 \cdot 10^{-5}$	0	$2.428 \cdot 10^{-6}$	$2.428 \cdot 10^{-6}$	0
cH1322	-0.0006551	-0.0006551	0	$1.986 \cdot 10^{-5}$	$1.986 \cdot 10^{-5}$	0
cQj11	-0.01928	-0.01928	0	0.09281	0.09281	0
cQj18	0.03854	0.03854	0	0.013	0.013	0
cQj31	0.08047	0.08047	0	0.3873	0.3873	0
cQj38	-0.05869	-0.05869	0	0.0198	0.0198	0
cQu1	0.01366	0.01366	0	0.4921	0.4921	0
cQu8	0.05503	0.05503	0	0.01857	0.01857	0
cQujb1Im	$-4.393 \cdot 10^{-30}$	$-2.371 \cdot 10^{-29}$	-4.398	$2.533 \cdot 10^{-11}$	$2.533 \cdot 10^{-11}$	$-1.46 \cdot 10^{-6}$
cQujb1Re	$-1.305 \cdot 10^{-14}$	$-1.305 \cdot 10^{-14}$	$-6.895 \cdot 10^{-7}$	$7.737 \cdot 10^{-12}$	$7.737 \cdot 10^{-12}$	$-1.448 \cdot 10^{-6}$
cQujb8Im	$2.269 \cdot 10^{-29}$	$2.279 \cdot 10^{-29}$	-0.004443	$1.518 \cdot 10^{-11}$	$1.518 \cdot 10^{-11}$	$-1.449 \cdot 10^{-6}$

cQujb8Re	$-1.661 \cdot 10^{-12}$	$-1.661 \cdot 10^{-12}$	$-7.225 \cdot 10^{-7}$	$1.518 \cdot 10^{-11}$	$1.518 \cdot 10^{-11}$	$-1.449 \cdot 10^{-6}$
cbBIm	$4.167 \cdot 10^{-20}$	$4.167 \cdot 10^{-20}$	$4.411 \cdot 10^{-5}$	0.002707	0.002707	0
cbBRe	$3.198 \cdot 10^{-5}$	$3.198 \cdot 10^{-5}$	0	0.00347	0.00347	0
cbGIm	$9.191 \cdot 10^{-26}$	$9.191 \cdot 10^{-26}$	0	0.03457	0.03457	0
cbGRe	-0.004666	-0.004666	0	0.008716	0.008716	0
cbHIm	$-1.578 \cdot 10^{-29}$	$-1.578 \cdot 10^{-29}$	0	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0
cbHRe	$-1.161 \cdot 10^{-13}$	$-1.161 \cdot 10^{-13}$	0	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0
cbWIm	$-4.184 \cdot 10^{-20}$	$-4.184 \cdot 10^{-20}$	0	0.00554	0.00554	0
cbWRe	$-6.613 \cdot 10^{-5}$	$-6.613 \cdot 10^{-5}$	0	0.005353	0.005353	0
cbj1	-0.007674	-0.007674	0	0.5748	0.5748	0
cbj8	0.04702	0.04702	0	0.01587	0.01587	0
cbu1	-0.003185	-0.003185	0	0.05851	0.05851	0
cjuQb1Im	$7.012 \cdot 10^{-31}$	$1.402 \cdot 10^{-30}$	-0.9999	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$
cjuQb1Re	$-3.733 \cdot 10^{-12}$	$-3.733 \cdot 10^{-12}$	$-7.233 \cdot 10^{-7}$	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
cjuQb8Im	$4.595 \cdot 10^{-29}$	$-1.256 \cdot 10^{-29}$	1.273	$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$
cjuQb8Re	$6.282 \cdot 10^{-14}$	$6.282 \cdot 10^{-14}$	$-7.322 \cdot 10^{-7}$	$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$
cll1221	$6.493 \cdot 10^{-5}$	$6.493 \cdot 10^{-5}$	0	$9.841 \cdot 10^{-7}$	$9.841 \cdot 10^{-7}$	0
cuBIm	$3.42 \cdot 10^{-30}$	$7.771 \cdot 10^{-30}$	-1.272	$1.358 \cdot 10^{-13}$	$1.358 \cdot 10^{-13}$	$-1.399 \cdot 10^{-6}$
cuBRe	$-8.681 \cdot 10^{-15}$	$-8.681 \cdot 10^{-15}$	$-7.257 \cdot 10^{-7}$	$1.343 \cdot 10^{-13}$	$1.343 \cdot 10^{-13}$	$-1.415 \cdot 10^{-6}$
cuGRe	$-2.992 \cdot 10^{-11}$	$-2.992 \cdot 10^{-11}$	$-7.353 \cdot 10^{-7}$	$5.147 \cdot 10^{-12}$	$5.147 \cdot 10^{-12}$	$-1.438 \cdot 10^{-6}$
cuHIm	$-8.871 \cdot 10^{-32}$	$-9.008 \cdot 10^{-32}$	-0.01544	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.45 \cdot 10^{-6}$
cuHRe	$-2.787 \cdot 10^{-15}$	$-2.787 \cdot 10^{-15}$	$-7.534 \cdot 10^{-7}$	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.438 \cdot 10^{-6}$
cuWIm	$4.576 \cdot 10^{-29}$	$-8.017 \cdot 10^{-30}$	1.175	$9.985 \cdot 10^{-13}$	$9.985 \cdot 10^{-13}$	$-1.452 \cdot 10^{-6}$
sm	0	0	0	0.5634	0.5634	0

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

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

cHQ3	0.001635	0.001635	0	$4.956 \cdot 10^{-5}$	$4.956 \cdot 10^{-5}$	0
cHl311	$1.967 \cdot 10^{-20}$	$1.967 \cdot 10^{-20}$	0	$4.575 \cdot 10^{-36}$	$4.575 \cdot 10^{-36}$	0
cHl322	-0.001164	-0.001164	0	$3.527 \cdot 10^{-5}$	$3.527 \cdot 10^{-5}$	0
cHtbIm	$-1.141 \cdot 10^{-22}$	$-1.141 \cdot 10^{-22}$	0	$1.583 \cdot 10^{-7}$	$1.583 \cdot 10^{-7}$	0
cHtbRe	$-6.719 \cdot 10^{-7}$	$-6.719 \cdot 10^{-7}$	0	$1.413 \cdot 10^{-7}$	$1.413 \cdot 10^{-7}$	0
cQl311	0.1725	0.1725	0	0.8039	0.8039	0
cbWIm	$2.704 \cdot 10^{-19}$	$2.704 \cdot 10^{-19}$	0	0.004483	0.004483	0
cbWRe	$-5.557 \cdot 10^{-6}$	$-5.557 \cdot 10^{-6}$	0	0.000701	0.000701	0
ceWRe11	$-1.645 \cdot 10^{-8}$	$-1.645 \cdot 10^{-8}$	0	0.00207	0.00207	0
cleQt1Im11	$8.145 \cdot 10^{-11}$	$8.145 \cdot 10^{-11}$	0	0.08333	0.08333	0
cleQt1Re11	$4.866 \cdot 10^{-7}$	$4.866 \cdot 10^{-7}$	0	0.08333	0.08333	0
cleQt3Im11	$-1.702 \cdot 10^{-10}$	$-1.702 \cdot 10^{-10}$	0	0.4257	0.4257	0
cleQt3Re11	$-1.064 \cdot 10^{-6}$	$-1.064 \cdot 10^{-6}$	0	0.4678	0.4678	0
clebQIm11	$-2.051 \cdot 10^{-12}$	$-2.051 \cdot 10^{-12}$	0	0.08333	0.08333	0
clebQRe11	$-1.207 \cdot 10^{-8}$	$-1.207 \cdot 10^{-8}$	0	0.08333	0.08333	0
cll1221	$4.198 \cdot 10^{-7}$	$4.198 \cdot 10^{-7}$	0	$6.362 \cdot 10^{-9}$	$6.362 \cdot 10^{-9}$	0
ctWIm	$-1.108 \cdot 10^{-18}$	$-1.108 \cdot 10^{-18}$	0	0.004268	0.004268	0
ctWRe	-0.005053	-0.005053	0	0.002077	0.002077	0
sm	0	0	0	$2.783 \cdot 10^{-7}$	$2.783 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001606	-0.0001606	0	$1.091 \cdot 10^{-5}$	$1.091 \cdot 10^{-5}$	0
cHWB	-0.0007871	-0.0007871	0	$7.222 \cdot 10^{-5}$	$7.222 \cdot 10^{-5}$	0
cHe22	$7.558 \cdot 10^{-5}$	$7.558 \cdot 10^{-5}$	0	$1.113 \cdot 10^{-5}$	$1.113 \cdot 10^{-5}$	0
cHj1	$4.678 \cdot 10^{-5}$	$4.678 \cdot 10^{-5}$	0	$4.4 \cdot 10^{-6}$	$4.4 \cdot 10^{-6}$	0
cHj3	$-4.783 \cdot 10^{-5}$	$-4.783 \cdot 10^{-5}$	0	$4.48 \cdot 10^{-6}$	$4.48 \cdot 10^{-6}$	0

cHl122	$-5.487 \cdot 10^{-6}$	$-5.487 \cdot 10^{-6}$	0	$1.918 \cdot 10^{-6}$	$1.918 \cdot 10^{-6}$	0
cHl311	-0.0004374	-0.0004374	0	$1.326 \cdot 10^{-5}$	$1.326 \cdot 10^{-5}$	0
cHl322	-0.0001353	-0.0001353	0	$4.346 \cdot 10^{-6}$	$4.346 \cdot 10^{-6}$	0
ceBIm22	$2.945 \cdot 10^{-24}$	$2.945 \cdot 10^{-24}$	0	0.0006085	0.0006085	0
ceBRe22	$7.151 \cdot 10^{-7}$	$7.151 \cdot 10^{-7}$	0	0.0009011	0.0009011	0
ceHIm22	$-8.695 \cdot 10^{-28}$	$-8.695 \cdot 10^{-28}$	0	$1.682 \cdot 10^{-8}$	$1.682 \cdot 10^{-8}$	0
ceHRe22	$-3.336 \cdot 10^{-10}$	$-3.336 \cdot 10^{-10}$	0	$1.682 \cdot 10^{-8}$	$1.682 \cdot 10^{-8}$	0
ceWIm22	$-2.17 \cdot 10^{-23}$	$-2.17 \cdot 10^{-23}$	0	0.001385	0.001385	0
ceWRe22	$-1.1 \cdot 10^{-6}$	$-1.1 \cdot 10^{-6}$	0	0.002179	0.002179	0
ceu22	-0.026	-0.026	0	0.1592	0.1592	0
cje22	-0.0003323	-0.0003323	0	0.008297	0.008297	0
cleju1Im22	$-9.166 \cdot 10^{-26}$	$2.344 \cdot 10^{-28}$	1.003	$8.868 \cdot 10^{-6}$	$8.868 \cdot 10^{-6}$	$2.706 \cdot 10^{-7}$
cleju1Re22	$1.087 \cdot 10^{-8}$	$1.087 \cdot 10^{-8}$	$9.203 \cdot 10^{-8}$	$8.868 \cdot 10^{-6}$	$8.868 \cdot 10^{-6}$	$2.819 \cdot 10^{-7}$
cleju3Im22	$2.781 \cdot 10^{-24}$	$4.242 \cdot 10^{-24}$	-0.5251	$6.356 \cdot 10^{-5}$	$6.356 \cdot 10^{-5}$	$2.675 \cdot 10^{-7}$
cleju3Re22	$-2.497 \cdot 10^{-8}$	$-2.497 \cdot 10^{-8}$	$1.201 \cdot 10^{-7}$	$5.175 \cdot 10^{-5}$	$5.175 \cdot 10^{-5}$	$2.899 \cdot 10^{-7}$
clj122	-0.05026	-0.05026	0	0.2144	0.2144	0
clj322	0.03732	0.03732	0	0.1592	0.1592	0
cll1221	$8.255 \cdot 10^{-5}$	$8.255 \cdot 10^{-5}$	0	$1.251 \cdot 10^{-6}$	$1.251 \cdot 10^{-6}$	0
clu22	-0.01478	-0.01478	0	0.1821	0.1821	0
cuBIm	$-3.312 \cdot 10^{-24}$	$-3.312 \cdot 10^{-24}$	$1.356 \cdot 10^{-5}$	$1.704 \cdot 10^{-8}$	$1.704 \cdot 10^{-8}$	$2.934 \cdot 10^{-7}$
cuBRe	$-6.343 \cdot 10^{-8}$	$-6.343 \cdot 10^{-8}$	$1.419 \cdot 10^{-7}$	$1.249 \cdot 10^{-8}$	$1.249 \cdot 10^{-8}$	$2.403 \cdot 10^{-7}$
cuHIm	$-2.72 \cdot 10^{-31}$	$1.655 \cdot 10^{-29}$	61.85	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
cuHRe	$-2.029 \cdot 10^{-13}$	$-2.029 \cdot 10^{-13}$	$1.478 \cdot 10^{-7}$	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
cuWIm	$7.008 \cdot 10^{-24}$	$7.008 \cdot 10^{-24}$	$-7.684 \cdot 10^{-5}$	$6.149 \cdot 10^{-8}$	$6.149 \cdot 10^{-8}$	$2.765 \cdot 10^{-7}$
sm	0	0	0	0.00523	0.00523	0

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

interference

square

	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHj3	0.0007443	0.0007443	0	$2.256 \cdot 10^{-5}$	$2.256 \cdot 10^{-5}$	0
cHl311	-0.0005913	-0.0005913	0	$1.792 \cdot 10^{-5}$	$1.792 \cdot 10^{-5}$	0
cHl322	$-9.56 \cdot 10^{-5}$	$-9.56 \cdot 10^{-5}$	0	$2.898 \cdot 10^{-6}$	$2.898 \cdot 10^{-6}$	0
cHudIm	$3.308 \cdot 10^{-31}$	$-3.586 \cdot 10^{-32}$	1.108	$4.512 \cdot 10^{-17}$	$4.512 \cdot 10^{-17}$	$9.308 \cdot 10^{-7}$
cHudRe	$-4.122 \cdot 10^{-16}$	$-4.122 \cdot 10^{-16}$	$4.609 \cdot 10^{-7}$	$5.647 \cdot 10^{-17}$	$5.647 \cdot 10^{-17}$	$9.562 \cdot 10^{-7}$
cdWIm	$-2.107 \cdot 10^{-24}$	$-2.09 \cdot 10^{-24}$	0.008265	$1.158 \cdot 10^{-9}$	$1.158 \cdot 10^{-9}$	$6.046 \cdot 10^{-7}$
cdWRe	$-1.029 \cdot 10^{-9}$	$-1.029 \cdot 10^{-9}$	$2.915 \cdot 10^{-7}$	$1.157 \cdot 10^{-9}$	$1.157 \cdot 10^{-9}$	$6.912 \cdot 10^{-7}$
ceWIm33	$-2.245 \cdot 10^{-21}$	$-2.245 \cdot 10^{-21}$	0	0.003766	0.003766	0
ceWRe33	$-3.681 \cdot 10^{-5}$	$-3.681 \cdot 10^{-5}$	0	0.004056	0.004056	0
cledjIm33	$8.162 \cdot 10^{-14}$	$8.162 \cdot 10^{-14}$	$3.063 \cdot 10^{-7}$	$2.378 \cdot 10^{-8}$	$2.378 \cdot 10^{-8}$	$6.308 \cdot 10^{-7}$
cledjRe33	$-4.861 \cdot 10^{-10}$	$-4.861 \cdot 10^{-10}$	$3.086 \cdot 10^{-7}$	$2.378 \cdot 10^{-8}$	$2.378 \cdot 10^{-8}$	$6.308 \cdot 10^{-7}$
cleju1Im33	$-1.518 \cdot 10^{-11}$	$-1.518 \cdot 10^{-11}$	$1.318 \cdot 10^{-7}$	$4.434 \cdot 10^{-6}$	$4.434 \cdot 10^{-6}$	$2.932 \cdot 10^{-7}$
cleju1Re33	$9.08 \cdot 10^{-8}$	$9.08 \cdot 10^{-8}$	$1.432 \cdot 10^{-7}$	$4.434 \cdot 10^{-6}$	$4.434 \cdot 10^{-6}$	$2.706 \cdot 10^{-7}$
cleju3Im33	$4.942 \cdot 10^{-12}$	$4.942 \cdot 10^{-12}$	$1.416 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$2.722 \cdot 10^{-7}$
cleju3Re33	$-2.93 \cdot 10^{-8}$	$-2.93 \cdot 10^{-8}$	$1.365 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$2.722 \cdot 10^{-7}$
clj333	0.01867	0.01867	0	0.087	0.087	0
c111221	0.0008698	0.0008698	0	$1.318 \cdot 10^{-5}$	$1.318 \cdot 10^{-5}$	0
cuWIm	$5.594 \cdot 10^{-25}$	$-9.51 \cdot 10^{-25}$	2.7	$2.307 \cdot 10^{-7}$	$2.307 \cdot 10^{-7}$	$3.035 \cdot 10^{-7}$
sm	0	0	0	0.001074	0.001074	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	$-8.579 \cdot 10^{-5}$	$-8.579 \cdot 10^{-5}$	0	$1.182 \cdot 10^{-5}$	$1.182 \cdot 10^{-5}$	0
cHWB	$-9.782 \cdot 10^{-5}$	$-9.782 \cdot 10^{-5}$	0	$2.358 \cdot 10^{-5}$	$2.358 \cdot 10^{-5}$	0
cHd	$1.864 \cdot 10^{-5}$	$1.864 \cdot 10^{-5}$	0	$1.586 \cdot 10^{-5}$	$1.586 \cdot 10^{-5}$	0
cHj1	$2.626 \cdot 10^{-5}$	$2.626 \cdot 10^{-5}$	0	$4.225 \cdot 10^{-6}$	$4.225 \cdot 10^{-6}$	0

cHj3	0.0001601	0.0001601	0	$1.278 \cdot 10^{-5}$	$1.278 \cdot 10^{-5}$	0
cH1311	-0.001025	-0.001025	0	$3.106 \cdot 10^{-5}$	$3.106 \cdot 10^{-5}$	0
cH1322	-0.0001442	-0.0001442	0	$4.37 \cdot 10^{-6}$	$4.37 \cdot 10^{-6}$	0
cdBIm	$-6.075 \cdot 10^{-29}$	$-6.076 \cdot 10^{-29}$	-0.0002705	$1.998 \cdot 10^{-12}$	$1.998 \cdot 10^{-12}$	$-1.151 \cdot 10^{-6}$
cdBRe	$9.258 \cdot 10^{-13}$	$9.258 \cdot 10^{-13}$	$-5.833 \cdot 10^{-7}$	$2.507 \cdot 10^{-12}$	$2.507 \cdot 10^{-12}$	$-1.157 \cdot 10^{-6}$
cdGIm	$-5.256 \cdot 10^{-34}$	$-6.28 \cdot 10^{-33}$	-10.95	$2.855 \cdot 10^{-11}$	$2.855 \cdot 10^{-11}$	$-1.156 \cdot 10^{-6}$
cdGRe	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-5.721 \cdot 10^{-7}$	$1.693 \cdot 10^{-11}$	$1.693 \cdot 10^{-11}$	$-1.182 \cdot 10^{-6}$
cdHIm	$7.361 \cdot 10^{-32}$	$-2.876 \cdot 10^{-32}$	1.391	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
cdHRe	$-1.191 \cdot 10^{-15}$	$-1.191 \cdot 10^{-15}$	$-5.876 \cdot 10^{-7}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
cdWIm	$8.457 \cdot 10^{-28}$	$8.458 \cdot 10^{-28}$	-0.0001457	$3.201 \cdot 10^{-12}$	$3.201 \cdot 10^{-12}$	$-1.156 \cdot 10^{-6}$
cdWRe	$-3.381 \cdot 10^{-12}$	$-3.381 \cdot 10^{-12}$	$-5.916 \cdot 10^{-7}$	$4.676 \cdot 10^{-12}$	$4.676 \cdot 10^{-12}$	$-1.176 \cdot 10^{-6}$
cjd1	-0.008174	-0.008174	0	0.6125	0.6125	0
cjd8	0.2628	0.2628	0	0.08869	0.08869	0
cjj11	-0.05635	-0.05635	0	0.5424	0.5424	0
cjj18	1.111	1.111	0	0.7498	0.7498	0
cjj31	0.2885	0.2885	0	2.777	2.777	0
cjj38	-0.04247	-0.04247	$2.355 \cdot 10^{-8}$	0.02866	0.02866	0
cju1	0.0001843	0.0001843	0	0.006655	0.006655	0
cju8	0.3488	0.3488	0	0.1177	0.1177	0
cjujd11Im	$-8.274 \cdot 10^{-31}$	$-6.89 \cdot 10^{-31}$	0.1672	$1.279 \cdot 10^{-14}$	$1.279 \cdot 10^{-14}$	$-5.474 \cdot 10^{-7}$
cjujd11Re	$-2.104 \cdot 10^{-15}$	$-2.104 \cdot 10^{-15}$	$-3.326 \cdot 10^{-7}$	$5.158 \cdot 10^{-15}$	$5.158 \cdot 10^{-15}$	$-6.01 \cdot 10^{-7}$
cjujd1Re	$-3.863 \cdot 10^{-14}$	$-3.863 \cdot 10^{-14}$	$-3.107 \cdot 10^{-7}$	$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	$-5.747 \cdot 10^{-7}$
cjujd81Im	$-6.014 \cdot 10^{-31}$	$-2.485 \cdot 10^{-31}$	0.5868	$1.698 \cdot 10^{-15}$	$1.698 \cdot 10^{-15}$	$-5.89 \cdot 10^{-7}$
cjujd81Re	$-8.758 \cdot 10^{-15}$	$-8.758 \cdot 10^{-15}$	$-2.969 \cdot 10^{-7}$	$9.06 \cdot 10^{-16}$	$9.06 \cdot 10^{-16}$	$-5.96 \cdot 10^{-7}$
cjujd8Im	$-5.517 \cdot 10^{-33}$	$-5.517 \cdot 10^{-33}$	$-3.625 \cdot 10^{-8}$	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-6.112 \cdot 10^{-7}$
cjujd8Re	$5.953 \cdot 10^{-16}$	$5.953 \cdot 10^{-16}$	$-2.856 \cdot 10^{-7}$	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-6.112 \cdot 10^{-7}$
cll1221	$8.694 \cdot 10^{-5}$	$8.694 \cdot 10^{-5}$	0	$1.318 \cdot 10^{-6}$	$1.318 \cdot 10^{-6}$	0
cuBIm	$2.63 \cdot 10^{-24}$	$5.491 \cdot 10^{-24}$	-1.088	$5.157 \cdot 10^{-8}$	$5.157 \cdot 10^{-8}$	$2.715 \cdot 10^{-7}$
cuBRe	$-7.78 \cdot 10^{-9}$	$-7.78 \cdot 10^{-9}$	$1.414 \cdot 10^{-7}$	$3.771 \cdot 10^{-8}$	$3.771 \cdot 10^{-8}$	$2.917 \cdot 10^{-7}$

cuGRe	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$1.446 \cdot 10^{-6}$	$1.446 \cdot 10^{-6}$	$2.767 \cdot 10^{-7}$
cuHIm	$1.439 \cdot 10^{-31}$	$1.444 \cdot 10^{-31}$	-0.00357	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
cuHRe	$-1.191 \cdot 10^{-15}$	$-1.191 \cdot 10^{-15}$	$8.394 \cdot 10^{-8}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
cuWIm	$8.857 \cdot 10^{-24}$	$1.295 \cdot 10^{-23}$	-0.4618	$1.225 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	$2.449 \cdot 10^{-7}$
cud1	-0.001756	-0.001756	0	0.03225	0.03225	0
cud8	0.3665	0.3665	0	0.1237	0.1237	0
sm	0	0	0	0.8997	0.8997	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	$-5.511 \cdot 10^{-5}$	$-5.511 \cdot 10^{-5}$	0	$1.021 \cdot 10^{-5}$	$1.021 \cdot 10^{-5}$	0
cHWB	-0.0001328	-0.0001328	0	$1.611 \cdot 10^{-5}$	$1.611 \cdot 10^{-5}$	0
cHd	$8.589 \cdot 10^{-7}$	$8.589 \cdot 10^{-7}$	0	$3.181 \cdot 10^{-6}$	$3.181 \cdot 10^{-6}$	0
cHe11	$-3.807 \cdot 10^{-5}$	$-3.807 \cdot 10^{-5}$	0	$5.527 \cdot 10^{-6}$	$5.527 \cdot 10^{-6}$	0
cHj1	0.0002672	0.0002672	0	$6.417 \cdot 10^{-6}$	$6.417 \cdot 10^{-6}$	0
cHj3	$7.591 \cdot 10^{-5}$	$7.591 \cdot 10^{-5}$	0	$2.863 \cdot 10^{-6}$	$2.863 \cdot 10^{-6}$	0
cHl111	0.0003745	0.0003745	0	$1.38 \cdot 10^{-5}$	$1.38 \cdot 10^{-5}$	0
cHl311	$-5.469 \cdot 10^{-6}$	$-5.469 \cdot 10^{-6}$	0	$1.305 \cdot 10^{-6}$	$1.305 \cdot 10^{-6}$	0
cHl322	$-3.174 \cdot 10^{-5}$	$-3.174 \cdot 10^{-5}$	0	$9.621 \cdot 10^{-7}$	$9.621 \cdot 10^{-7}$	0
cdBIm	$-1.041 \cdot 10^{-28}$	$-1.041 \cdot 10^{-28}$	$-6.53 \cdot 10^{-6}$	$4.787 \cdot 10^{-13}$	$4.787 \cdot 10^{-13}$	$-1.191 \cdot 10^{-6}$
cdBRe	$1.612 \cdot 10^{-12}$	$1.612 \cdot 10^{-12}$	$-6.203 \cdot 10^{-7}$	$7.928 \cdot 10^{-13}$	$7.928 \cdot 10^{-13}$	$-1.173 \cdot 10^{-6}$
cdHIm	$5.02 \cdot 10^{-39}$	$1.112 \cdot 10^{-39}$	0.7785	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
cdHRe	$-6.469 \cdot 10^{-23}$	$-6.469 \cdot 10^{-23}$	$-5.874 \cdot 10^{-7}$	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
cdWIm	$6.643 \cdot 10^{-27}$	$6.643 \cdot 10^{-27}$	$-8.279 \cdot 10^{-7}$	$1.547 \cdot 10^{-12}$	$1.547 \cdot 10^{-12}$	$-1.164 \cdot 10^{-6}$
cdWRe	$-1.702 \cdot 10^{-12}$	$-1.702 \cdot 10^{-12}$	$-5.875 \cdot 10^{-7}$	$5.574 \cdot 10^{-13}$	$5.574 \cdot 10^{-13}$	$-1.166 \cdot 10^{-6}$
ceBIm11	$7.932 \cdot 10^{-26}$	$7.932 \cdot 10^{-26}$	0	0.0003412	0.0003412	0
ceBRe11	$-1.978 \cdot 10^{-10}$	$-1.978 \cdot 10^{-10}$	0	$4.904 \cdot 10^{-5}$	$4.904 \cdot 10^{-5}$	0

ceHIm11	$-1.892 \cdot 10^{-33}$	$-1.892 \cdot 10^{-33}$	0	$2.274 \cdot 10^{-13}$	$2.274 \cdot 10^{-13}$	0
ceHRe11	$-2.189 \cdot 10^{-17}$	$-2.189 \cdot 10^{-17}$	0	$2.274 \cdot 10^{-13}$	$2.274 \cdot 10^{-13}$	0
ceWRe11	$1.011 \cdot 10^{-9}$	$1.011 \cdot 10^{-9}$	0	0.0005455	0.0005455	0
ced11	0.0004386	0.0004386	0	0.005371	0.005371	0
cje11	-0.0001356	-0.0001356	0	0.003258	0.003258	0
cld11	$4.402 \cdot 10^{-5}$	$4.402 \cdot 10^{-5}$	0	0.001085	0.001085	0
cledjIm11	$2.519 \cdot 10^{-38}$	$-2.568 \cdot 10^{-34}$	$1.02 \cdot 10^4$	$1.199 \cdot 10^{-10}$	$1.199 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cledjRe11	$-7.076 \cdot 10^{-16}$	$-7.076 \cdot 10^{-16}$	$-5.794 \cdot 10^{-7}$	$1.199 \cdot 10^{-10}$	$1.199 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
clj111	0.005129	0.005129	0	0.02645	0.02645	0
clj311	0.02022	0.02022	0	0.1043	0.1043	0
cll1221	$4.771 \cdot 10^{-5}$	$4.771 \cdot 10^{-5}$	0	$7.231 \cdot 10^{-7}$	$7.231 \cdot 10^{-7}$	0
sm	0	0	0	0.002598	0.002598	0

1.62 $d\bar{d} \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-6.401 \cdot 10^{-5}$	$-6.401 \cdot 10^{-5}$	0	$1.694 \cdot 10^{-6}$	$1.694 \cdot 10^{-6}$	0
cHWB	$1.958 \cdot 10^{-5}$	$1.958 \cdot 10^{-5}$	0	$1.043 \cdot 10^{-6}$	$1.043 \cdot 10^{-6}$	0
cHd	$-6.222 \cdot 10^{-5}$	$-6.222 \cdot 10^{-5}$	0	$2.379 \cdot 10^{-5}$	$2.379 \cdot 10^{-5}$	0
cHj1	$4.823 \cdot 10^{-5}$	$4.823 \cdot 10^{-5}$	0	$3.854 \cdot 10^{-6}$	$3.854 \cdot 10^{-6}$	0
cHj3	$5.832 \cdot 10^{-5}$	$5.832 \cdot 10^{-5}$	0	$4.471 \cdot 10^{-6}$	$4.471 \cdot 10^{-6}$	0
cH1311	-0.001199	-0.001199	0	$3.634 \cdot 10^{-5}$	$3.634 \cdot 10^{-5}$	0
cH1322	-0.0007717	-0.0007717	0	$2.339 \cdot 10^{-5}$	$2.339 \cdot 10^{-5}$	0
cdBIm	$9.133 \cdot 10^{-28}$	$8.937 \cdot 10^{-28}$	0.0215	$8.472 \cdot 10^{-11}$	$8.472 \cdot 10^{-11}$	$6.374 \cdot 10^{-7}$
cdBRe	$-8.539 \cdot 10^{-11}$	$-8.539 \cdot 10^{-11}$	$3.162 \cdot 10^{-7}$	$1.766 \cdot 10^{-10}$	$1.766 \cdot 10^{-10}$	$6.23 \cdot 10^{-7}$
cdGIm	$-1.053 \cdot 10^{-24}$	$-9.079 \cdot 10^{-25}$	0.1376	$6.767 \cdot 10^{-9}$	$6.767 \cdot 10^{-9}$	$6.354 \cdot 10^{-7}$
cdGRe	$-5.56 \cdot 10^{-8}$	$-5.56 \cdot 10^{-8}$	$3.058 \cdot 10^{-7}$	$5.465 \cdot 10^{-10}$	$5.465 \cdot 10^{-10}$	$6.222 \cdot 10^{-7}$
cdHIm	$1.029 \cdot 10^{-33}$	$2.081 \cdot 10^{-33}$	-1.023	$3.893 \cdot 10^{-19}$	$3.893 \cdot 10^{-19}$	$-2.825 \cdot 10^{-7}$

cdHRe	$-1.291 \cdot 10^{-17}$	$-1.291 \cdot 10^{-17}$	$-1.549 \cdot 10^{-7}$	$7.787 \cdot 10^{-19}$	$7.787 \cdot 10^{-19}$	$-2.697 \cdot 10^{-7}$
cdWIm	$-1.349 \cdot 10^{-26}$	$-1.136 \cdot 10^{-26}$	0.1578	$6.607 \cdot 10^{-10}$	$6.607 \cdot 10^{-10}$	$6.205 \cdot 10^{-7}$
cdWRe	$-3.276 \cdot 10^{-10}$	$-3.276 \cdot 10^{-10}$	$3.357 \cdot 10^{-7}$	$1.111 \cdot 10^{-9}$	$1.111 \cdot 10^{-9}$	$6.3 \cdot 10^{-7}$
cdd8	0.04308	0.04308	0	0.02908	0.02908	0
cjd1	-0.0226	-0.0226	0	1.629	1.629	0
cjd8	0.2942	0.2942	0	0.09929	0.09929	0
cjj11	0.1233	0.1233	0	1.112	1.112	0
cjj18	0.5251	0.5251	$-1.905 \cdot 10^{-8}$	0.3544	0.3544	0
cjj31	0.001498	0.001498	0	0.01352	0.01352	0
cjj38	1.285	1.285	0	0.8675	0.8675	0
cll1221	0.0002178	0.0002178	0	$3.302 \cdot 10^{-6}$	$3.302 \cdot 10^{-6}$	0
sm	0	0	0	0.7932	0.7932	0

1.63 $e^+\nu_\mu \rightarrow e^+\nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.001405	-0.001405	0	$9.783 \cdot 10^{-5}$	$9.783 \cdot 10^{-5}$	0
cHWB	-0.002497	-0.002497	0	0.0002926	0.0002926	0
cHe11	-0.006956	-0.006956	0	0.000473	0.000473	0
cHl111	0.009821	0.009821	0	0.0005371	0.0005371	0
cHl122	-0.002071	-0.002071	0	$6.276 \cdot 10^{-5}$	$6.276 \cdot 10^{-5}$	0
cHl311	-0.002127	-0.002127	0	0.0005548	0.0005548	0
cHl322	$-6.193 \cdot 10^{-19}$	$-9.148 \cdot 10^{-19}$	-0.4772	$4.419 \cdot 10^{-35}$	$3.932 \cdot 10^{-35}$	0.1103
ceBIIm11	$-3.809 \cdot 10^{-24}$	$-3.809 \cdot 10^{-24}$	0	0.01187	0.01187	0
ceBRe11	$1.076 \cdot 10^{-8}$	$1.076 \cdot 10^{-8}$	0	0.001434	0.001434	0
ceWRe11	$2.051 \cdot 10^{-7}$	$2.051 \cdot 10^{-7}$	0	0.1562	0.1562	0
cle2211	-0.4958	-0.4958	0	1	1	0
cll1122	0.03331	0.03331	0	0.1392	0.1392	0

c111221	0.00249	0.00249	0	$3.773 \cdot 10^{-5}$	$3.773 \cdot 10^{-5}$	0
sm	0	0	0	2.964	2.964	0

1.64 $e^+\nu_e \rightarrow \mu^+\nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH1311	$3.705 \cdot 10^{-19}$	$3.705 \cdot 10^{-19}$	0	$1.505 \cdot 10^{-36}$	$1.505 \cdot 10^{-36}$	0
cH1322	$2.21 \cdot 10^{-21}$	$2.21 \cdot 10^{-21}$	0	$5.877 \cdot 10^{-39}$	$5.877 \cdot 10^{-39}$	0
ceWIm22	$1.059 \cdot 10^{-22}$	$1.059 \cdot 10^{-22}$	0	0.01273	0.01273	0
ceWRe11	$-3.01 \cdot 10^{-8}$	$-3.01 \cdot 10^{-8}$	0	0.01257	0.01257	0
ceWRe22	$-6.225 \cdot 10^{-6}$	$-6.225 \cdot 10^{-6}$	0	0.01257	0.01257	0
c1e1221	$1.791 \cdot 10^{-9}$	$1.791 \cdot 10^{-9}$	0	1	1	0
c111221	0.005833	0.005833	0	0.01368	0.01368	0
sm	0	0	0	0.04079	0.04079	0

1.65 $e^+\nu_e \rightarrow e^+\nu_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.002301	-0.002301	0	0.0002531	0.0002531	0
cHWB	0.0003354	0.0003354	0	0.000521	0.000521	0
cHe11	-0.001255	-0.001255	0	$8.536 \cdot 10^{-5}$	$8.536 \cdot 10^{-5}$	0
cH1111	-0.0005536	-0.0005536	0	$1.884 \cdot 10^{-5}$	$1.884 \cdot 10^{-5}$	0
cH1311	$6.335 \cdot 10^{-9}$	$6.335 \cdot 10^{-9}$	0	$2.322 \cdot 10^{-10}$	$2.322 \cdot 10^{-10}$	0
cH1322	-0.01914	-0.01914	0	0.0005802	0.0005802	0
ceBIm11	$-2.18 \cdot 10^{-22}$	$-2.18 \cdot 10^{-22}$	0	0.0008839	0.0008839	0
ceBRe11	$3.451 \cdot 10^{-8}$	$3.451 \cdot 10^{-8}$	0	0.006406	0.006406	0
ceWRe11	$-6.01 \cdot 10^{-9}$	$-6.01 \cdot 10^{-9}$	0	0.00236	0.00236	0

cle11111	-0.1213	-0.1213	0	1	1	0
cll11111	1.927	1.927	0	2.848	2.848	0
cll11221	0.0003433	0.0003433	0	$5.204 \cdot 10^{-6}$	$5.204 \cdot 10^{-6}$	0
sm	0	0	0	0.1062	0.1062	0

1.66 $e^+\tau^- \rightarrow e^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.006529	-0.006529	0	0.0004238	0.0004238	0
cHWB	-0.0105	-0.0105	0	0.001674	0.001674	0
cHe11	-0.01905	-0.01905	0	0.003737	0.003737	0
cHe33	0.001111	0.001111	0	$5.758 \cdot 10^{-5}$	$5.758 \cdot 10^{-5}$	0
cHl1111	0.001008	0.001008	0	0.0002088	0.0002088	0
cHl1133	0.01232	0.01232	0	0.0008574	0.0008574	0
cHl1311	-0.001488	-0.001488	0	$7.459 \cdot 10^{-5}$	$7.459 \cdot 10^{-5}$	0
cHl322	-0.1049	-0.1049	0	0.003179	0.003179	0
ceBIm11	$-1.426 \cdot 10^{-14}$	$-1.426 \cdot 10^{-14}$	0	0.3931	0.3931	0
ceBIm33	$2.23 \cdot 10^{-14}$	$2.23 \cdot 10^{-14}$	0	0.04664	0.04664	0
ceBRe11	$9.51 \cdot 10^{-9}$	$9.51 \cdot 10^{-9}$	0	0.02043	0.02043	0
ceBRe33	$-7.622 \cdot 10^{-5}$	$-7.622 \cdot 10^{-5}$	0	0.06895	0.06895	0
ceHIm11	$-1.681 \cdot 10^{-20}$	$-1.681 \cdot 10^{-20}$	0	$8.14 \cdot 10^{-8}$	$8.14 \cdot 10^{-8}$	0
ceHIm33	$2.122 \cdot 10^{-26}$	$2.122 \cdot 10^{-26}$	0	$6.731 \cdot 10^{-15}$	$6.731 \cdot 10^{-15}$	0
ceHRe11	$-1.877 \cdot 10^{-11}$	$-1.877 \cdot 10^{-11}$	0	$8.112 \cdot 10^{-8}$	$8.112 \cdot 10^{-8}$	0
ceHRe33	$-5.685 \cdot 10^{-15}$	$-5.685 \cdot 10^{-15}$	0	$6.658 \cdot 10^{-15}$	$6.658 \cdot 10^{-15}$	0
ceWIm33	$4.334 \cdot 10^{-14}$	$4.334 \cdot 10^{-14}$	0	0.01407	0.01407	0
ceWRe11	$1.388 \cdot 10^{-7}$	$1.388 \cdot 10^{-7}$	0	0.2266	0.2266	0
ceWRe33	$7.313 \cdot 10^{-5}$	$7.313 \cdot 10^{-5}$	0	0.05191	0.05191	0
cee1133	-2.087	-2.087	0	0.8202	0.8202	0

cle1133	-0.6753	-0.6753	0	1	1	0
cle1331	$-1.746 \cdot 10^{-8}$	$-1.746 \cdot 10^{-8}$	0	0.06872	0.06872	0
cle3311	-0.1546	-0.1546	0	1	1	0
c111133	-0.02418	-0.02418	0	0.06576	0.06576	0
c111221	0.2929	0.2929	0	0.00444	0.00444	0
c111331	-0.06106	-0.06106	0	0.1399	0.1399	0
sm	0	0	0	0.0167	0.0167	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.002013	-0.002013	0	0.0001185	0.0001185	0
cHWB	-0.004287	-0.004287	0	0.0007247	0.0007247	0
cHe11	0.0005235	0.0005235	0	$2.006 \cdot 10^{-5}$	$2.006 \cdot 10^{-5}$	0
cHe22	-0.000664	-0.000664	0	$1.073 \cdot 10^{-5}$	$1.073 \cdot 10^{-5}$	0
cH1111	-0.0001986	-0.0001986	0	$9.394 \cdot 10^{-6}$	$9.394 \cdot 10^{-6}$	0
cH1122	-0.0004486	-0.0004486	0	$1.378 \cdot 10^{-5}$	$1.378 \cdot 10^{-5}$	0
cH1311	-0.001405	-0.001405	0	$3.813 \cdot 10^{-5}$	$3.813 \cdot 10^{-5}$	0
cH1322	-0.0009163	-0.0009163	0	$3.931 \cdot 10^{-5}$	$3.931 \cdot 10^{-5}$	0
ceBIm11	$2.709 \cdot 10^{-24}$	$2.709 \cdot 10^{-24}$	0	0.001315	0.001315	0
ceBIm22	$1.01 \cdot 10^{-22}$	$1.01 \cdot 10^{-22}$	0	0.0006948	0.0006948	0
ceBRe11	$3.655 \cdot 10^{-8}$	$3.655 \cdot 10^{-8}$	0	0.009158	0.009158	0
ceBRe22	$4.73 \cdot 10^{-6}$	$4.73 \cdot 10^{-6}$	0	0.0002494	0.0002494	0
ceHIm11	$-2.88 \cdot 10^{-31}$	$-2.88 \cdot 10^{-31}$	0	$3.493 \cdot 10^{-10}$	$3.493 \cdot 10^{-10}$	0
ceHIm22	$-1.543 \cdot 10^{-32}$	$-1.543 \cdot 10^{-32}$	0	$8.169 \cdot 10^{-15}$	$8.169 \cdot 10^{-15}$	0
ceHRe11	$-3.397 \cdot 10^{-14}$	$-3.397 \cdot 10^{-14}$	0	$3.493 \cdot 10^{-10}$	$3.493 \cdot 10^{-10}$	0
ceHRe22	$-1.611 \cdot 10^{-16}$	$-1.611 \cdot 10^{-16}$	0	$8.169 \cdot 10^{-15}$	$8.169 \cdot 10^{-15}$	0
ceWIm22	$-1.597 \cdot 10^{-22}$	$-1.597 \cdot 10^{-22}$	0	0.00373	0.00373	0

ceWRe11	$-2.763 \cdot 10^{-8}$	$-2.763 \cdot 10^{-8}$	0	0.004821	0.004821	0
ceWRe22	$-5.713 \cdot 10^{-6}$	$-5.713 \cdot 10^{-6}$	0	0.004821	0.004821	0
cee1122	0.05156	0.05156	0	0.2104	0.2104	0
cle1122	0.002427	0.002427	0	0.01994	0.01994	0
cle1221	$3.554 \cdot 10^{-9}$	$3.554 \cdot 10^{-9}$	0	2	2	0
cle2211	0.05782	0.05782	0	0.4751	0.4751	0
c111122	0.03469	0.03469	0	0.1261	0.1261	0
c111221	0.0007914	0.0007914	0	0.001371	0.001371	0
sm	0	0	0	0.006772	0.006772	0

1.68 $e^+e^- \rightarrow e^+e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.00439	-0.00439	0	0.000298	0.000298	0
cHWB	-0.01181	-0.01181	0	0.001995	0.001995	0
cHe11	0.002594	0.002594	0	$9.753 \cdot 10^{-5}$	$9.753 \cdot 10^{-5}$	0
cH1111	-0.003388	-0.003388	0	0.0001507	0.0001507	0
cH1311	-0.00437	-0.00437	0	0.0002631	0.0002631	0
cH1322	-0.02474	-0.02474	0	0.00075	0.00075	0
ceBIm11	$-3.795 \cdot 10^{-22}$	$-3.795 \cdot 10^{-22}$	0	0.07331	0.07331	0
ceBRe11	$1.311 \cdot 10^{-7}$	$1.311 \cdot 10^{-7}$	0	0.05218	0.05218	0
ceHIm11	$-2.329 \cdot 10^{-24}$	$-2.329 \cdot 10^{-24}$	0	$6.104 \cdot 10^{-14}$	$6.104 \cdot 10^{-14}$	0
ceHRe11	$5.279 \cdot 10^{-8}$	$5.279 \cdot 10^{-8}$	0	$9.382 \cdot 10^{-14}$	$9.382 \cdot 10^{-14}$	0
ceWRe11	$-6.196 \cdot 10^{-9}$	$-6.196 \cdot 10^{-9}$	0	0.1347	0.1347	0
cee1111	-0.1786	-0.1786	0	3.425	3.425	0
cle1111	-0.2046	-0.2046	0	3.076	3.076	0
c111111	-0.3455	-0.3455	0	4.509	4.509	0
c111221	0.001069	0.001069	0	$1.62 \cdot 10^{-5}$	$1.62 \cdot 10^{-5}$	0
sm	0	0	0	0.02126	0.02126	0

1.69 $gg \rightarrow gg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$8.154 \cdot 10^{-10}$	$8.154 \cdot 10^{-10}$	$1.496 \cdot 10^{-6}$	102.5	102.5	0
cGtil	$-5.677 \cdot 10^{-16}$	$-5.371 \cdot 10^{-16}$	0.05397	93.73	93.73	0
cHGtil	$2.344 \cdot 10^{-18}$	$2.344 \cdot 10^{-18}$	0	$7.433 \cdot 10^{-34}$	$7.433 \cdot 10^{-34}$	0
sm	0	0	0	60.52	60.52	0

1.70 $gg \rightarrow ggg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	0.005935	0.005935	0	0.05581	0.05581	0
cGtil	-0.005071	-0.005071	0	0.01173	0.01173	0
cHGtil	$-7.78 \cdot 10^{-15}$	$-7.78 \cdot 10^{-15}$	0	$8.694 \cdot 10^{-26}$	$8.694 \cdot 10^{-26}$	0
sm	0	0	0	0.01209	0.01209	0

1.71 $gg \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	-0.2439	-0.2439	0	1.246	1.246	0
cGtil	$-4.792 \cdot 10^{-17}$	$-4.792 \cdot 10^{-17}$	0	2.488	2.488	0
cHG	-0.09152	-0.09152	0	0.04069	0.04069	0
cHGtil	$2.602 \cdot 10^{-18}$	$2.602 \cdot 10^{-18}$	0	0.04069	0.04069	0
ctGIm	$2.026 \cdot 10^{-18}$	$2.026 \cdot 10^{-18}$	0	0.08154	0.08154	0
ctGRe	-0.1508	-0.1508	0	0.08894	0.08894	0
sm	0	0	0	0.3876	0.3876	0

1.72 $gg \rightarrow u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$4.128 \cdot 10^{-12}$	$4.128 \cdot 10^{-12}$	0	2.097	2.097	0
cGtil	$1.309 \cdot 10^{-16}$	$1.309 \cdot 10^{-16}$	0	2.223	2.223	0
cHG	$-1.194 \cdot 10^{-11}$	$-1.194 \cdot 10^{-11}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0
cHGtil	$1.377 \cdot 10^{-27}$	$1.377 \cdot 10^{-27}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0
cuGRe	$-2.586 \cdot 10^{-11}$	$-2.586 \cdot 10^{-11}$	$-7.347 \cdot 10^{-7}$	$1.273 \cdot 10^{-11}$	$1.273 \cdot 10^{-11}$	$-1.493 \cdot 10^{-6}$
sm	0	0	0	0.9803	0.9803	0

1.73 $s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-3.041 \cdot 10^{-5}$	$-3.041 \cdot 10^{-5}$	0	$1.931 \cdot 10^{-6}$	$1.931 \cdot 10^{-6}$	0
cHWB	0.0001812	0.0001812	0	$1.79 \cdot 10^{-6}$	$1.79 \cdot 10^{-6}$	0
cHd	$-1.348 \cdot 10^{-5}$	$-1.348 \cdot 10^{-5}$	0	$2.751 \cdot 10^{-6}$	$2.751 \cdot 10^{-6}$	0
cHj1	0.0001919	0.0001919	0	$6.831 \cdot 10^{-6}$	$6.831 \cdot 10^{-6}$	0
cHj3	0.0005309	0.0005309	0	$1.89 \cdot 10^{-5}$	$1.89 \cdot 10^{-5}$	0
cHl133	-0.0001758	-0.0001758	0	$5.33 \cdot 10^{-6}$	$5.33 \cdot 10^{-6}$	0
cHl311	-0.000289	-0.000289	0	$8.76 \cdot 10^{-6}$	$8.76 \cdot 10^{-6}$	0
cHl322	-0.0001576	-0.0001576	0	$4.778 \cdot 10^{-6}$	$4.778 \cdot 10^{-6}$	0
cdBIm	$-6.269 \cdot 10^{-25}$	$-6.269 \cdot 10^{-25}$	0	$1.781 \cdot 10^{-10}$	$1.781 \cdot 10^{-10}$	$6.177 \cdot 10^{-7}$
cdBRe	$-1.156 \cdot 10^{-10}$	$-1.156 \cdot 10^{-10}$	$3.46 \cdot 10^{-7}$	$1.64 \cdot 10^{-10}$	$1.64 \cdot 10^{-10}$	$6.099 \cdot 10^{-7}$
cdWIm	$3.984 \cdot 10^{-25}$	$3.984 \cdot 10^{-25}$	0	$2.289 \cdot 10^{-10}$	$2.289 \cdot 10^{-10}$	$6.117 \cdot 10^{-7}$
cdWRe	$-2.159 \cdot 10^{-10}$	$-2.159 \cdot 10^{-10}$	$3.242 \cdot 10^{-7}$	$5.718 \cdot 10^{-10}$	$5.718 \cdot 10^{-10}$	$6.296 \cdot 10^{-7}$
cld33	0.0001424	0.0001424	0	0.003465	0.003465	0
clj133	-0.05992	-0.05992	0	0.2544	0.2544	0

clj333	0.02416	0.02416	0	0.1026	0.1026	0
cll1221	0.0001221	0.0001221	0	$1.851 \cdot 10^{-6}$	$1.851 \cdot 10^{-6}$	0
sm	0	0	0	0.0001925	0.0001925	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.003709	0.003709	0	$1.28 \cdot 10^{-5}$	$1.28 \cdot 10^{-5}$	0
cHWB	0.01073	0.01073	0	0.0001033	0.0001033	0
cHd	0.01297	0.01297	0	0.00188	0.00188	0
cHj1	$1.362 \cdot 10^{-5}$	$1.362 \cdot 10^{-5}$	0	$6.547 \cdot 10^{-6}$	$6.547 \cdot 10^{-6}$	0
cHj3	-0.08061	-0.08061	0	0.003362	0.003362	0
cHl311	0.001287	0.001287	0	$5.443 \cdot 10^{-6}$	$5.443 \cdot 10^{-6}$	0
cHl322	0.000379	0.000379	0	$2.081 \cdot 10^{-6}$	$2.081 \cdot 10^{-6}$	0
cdBIm	$2.16 \cdot 10^{-23}$	$2.169 \cdot 10^{-23}$	-0.004282	$2.469 \cdot 10^{-10}$	$2.469 \cdot 10^{-10}$	$6.481 \cdot 10^{-7}$
cdBRe	$3.543 \cdot 10^{-9}$	$3.543 \cdot 10^{-9}$	$3.105 \cdot 10^{-7}$	$2.679 \cdot 10^{-9}$	$2.679 \cdot 10^{-9}$	$6.346 \cdot 10^{-7}$
cdGIm	$-2.036 \cdot 10^{-24}$	$-1.251 \cdot 10^{-24}$	0.3855	$5.698 \cdot 10^{-8}$	$5.698 \cdot 10^{-8}$	$6.318 \cdot 10^{-7}$
cdGRe	$-2.362 \cdot 10^{-7}$	$-2.362 \cdot 10^{-7}$	$2.964 \cdot 10^{-7}$	$1.419 \cdot 10^{-7}$	$1.419 \cdot 10^{-7}$	$6.34 \cdot 10^{-7}$
cdHIm	$-1.178 \cdot 10^{-24}$	$-8.903 \cdot 10^{-25}$	0.2445	$3.973 \cdot 10^{-16}$	$3.973 \cdot 10^{-16}$	$6.293 \cdot 10^{-7}$
cdHRe	$4.722 \cdot 10^{-8}$	$4.722 \cdot 10^{-8}$	$3.177 \cdot 10^{-7}$	$6.954 \cdot 10^{-16}$	$6.954 \cdot 10^{-16}$	$6.184 \cdot 10^{-7}$
cdWIm	$-2.239 \cdot 10^{-23}$	$-1.958 \cdot 10^{-23}$	0.1256	$7.073 \cdot 10^{-8}$	$7.073 \cdot 10^{-8}$	$6.362 \cdot 10^{-7}$
cdWRe	$-1.561 \cdot 10^{-8}$	$-1.561 \cdot 10^{-8}$	$3.203 \cdot 10^{-7}$	$1.678 \cdot 10^{-8}$	$1.678 \cdot 10^{-8}$	$5.96 \cdot 10^{-7}$
cdd8	-0.09067	-0.09067	$-9.927 \cdot 10^{-8}$	0.1836	0.1836	$-2.179 \cdot 10^{-7}$
cjd1	0.1304	0.1304	0	2.068	2.068	0
cjd8	-1.002	-1.002	0	0.6965	0.6965	0
cjj11	-0.06359	-0.06359	0	0.65	0.65	0
cjj18	-0.3866	-0.3866	0	0.3552	0.3552	$-2.815 \cdot 10^{-8}$
cjj31	-4.068	-4.068	0	5.437	5.437	0

cjj38	-0.7563	-0.7563	$-9.256 \cdot 10^{-8}$	0.4801	0.4801	$-1.875 \cdot 10^{-7}$
cll1221	-0.01835	-0.01835	0	0.000112	0.000112	0
sm	0	0	0	6.847	6.847	0

1.75 $t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$8.215 \cdot 10^{-5}$	$8.215 \cdot 10^{-5}$	0	$8.462 \cdot 10^{-7}$	$8.462 \cdot 10^{-7}$	0
cHQ1	-0.0001068	-0.0001068	0	$4.902 \cdot 10^{-6}$	$4.902 \cdot 10^{-6}$	0
cHQ3	0.0005294	0.0005294	0	$2.313 \cdot 10^{-5}$	$2.313 \cdot 10^{-5}$	0
cHWB	0.0001423	0.0001423	0	$4.786 \cdot 10^{-6}$	$4.786 \cdot 10^{-6}$	0
cHl122	$-5.288 \cdot 10^{-5}$	$-5.288 \cdot 10^{-5}$	0	$1.603 \cdot 10^{-6}$	$1.603 \cdot 10^{-6}$	0
cHl311	$-5.182 \cdot 10^{-5}$	$-5.182 \cdot 10^{-5}$	0	$1.571 \cdot 10^{-6}$	$1.571 \cdot 10^{-6}$	0
cHl322	$1.131 \cdot 10^{-20}$	$1.131 \cdot 10^{-20}$	0	$3.583 \cdot 10^{-36}$	$3.583 \cdot 10^{-36}$	0
cHt	$-1.051 \cdot 10^{-5}$	$-1.051 \cdot 10^{-5}$	0	$5.821 \cdot 10^{-7}$	$5.821 \cdot 10^{-7}$	0
cQl122	0.04128	0.04128	0	0.2165	0.2165	0
cQl322	0.006924	0.006924	0	0.03982	0.03982	0
cll1221	$7.102 \cdot 10^{-5}$	$7.102 \cdot 10^{-5}$	0	$1.076 \cdot 10^{-6}$	$1.076 \cdot 10^{-6}$	0
ctBIm	$-4.63 \cdot 10^{-20}$	$-4.63 \cdot 10^{-20}$	0	0.0001494	0.0001494	0
ctWIm	$7.208 \cdot 10^{-20}$	$7.208 \cdot 10^{-20}$	0	0.000705	0.000705	0
ctWRe	-0.002068	-0.002068	0	0.001466	0.001466	0
ctl22	-0.0008741	-0.0008741	0	0.03417	0.03417	0
sm	0	0	0	0.001327	0.001327	0

1.76 $t\bar{t} \rightarrow \tau^+ \tau^-$

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

cHDD	-0.000191	-0.000191	0	$1.21 \cdot 10^{-5}$	$1.21 \cdot 10^{-5}$	0
cHQ1	-0.0001209	-0.0001209	0	$3.49 \cdot 10^{-6}$	$3.49 \cdot 10^{-6}$	0
cHQ3	0.0001888	0.0001888	0	$4.301 \cdot 10^{-6}$	$4.301 \cdot 10^{-6}$	0
cHWB	-0.001107	-0.001107	0	$9.683 \cdot 10^{-5}$	$9.683 \cdot 10^{-5}$	0
cHe33	$6.375 \cdot 10^{-5}$	$6.375 \cdot 10^{-5}$	0	$8.57 \cdot 10^{-6}$	$8.57 \cdot 10^{-6}$	0
cHl133	0.0002751	0.0002751	0	$6.892 \cdot 10^{-6}$	$6.892 \cdot 10^{-6}$	0
cHl311	$-9.826 \cdot 10^{-5}$	$-9.826 \cdot 10^{-5}$	0	$2.979 \cdot 10^{-6}$	$2.979 \cdot 10^{-6}$	0
cHl322	-0.0004077	-0.0004077	0	$1.236 \cdot 10^{-5}$	$1.236 \cdot 10^{-5}$	0
cHt	0.0001943	0.0001943	0	$4.677 \cdot 10^{-6}$	$4.677 \cdot 10^{-6}$	0
cQe33	-0.003271	-0.003271	0	0.04109	0.04109	0
cQl133	-0.07866	-0.07866	0	0.3321	0.3321	0
cQl333	0.02906	0.02906	0	0.1205	0.1205	0
ceBIm33	$-1.899 \cdot 10^{-20}$	$-1.899 \cdot 10^{-20}$	0	0.001076	0.001076	0
ceBRe33	$-3.483 \cdot 10^{-5}$	$-3.483 \cdot 10^{-5}$	0	0.0001106	0.0001106	0
ceHIm33	$-1.976 \cdot 10^{-21}$	$-1.976 \cdot 10^{-21}$	0	0.0002929	0.0002929	0
ceHRe33	$-9.778 \cdot 10^{-5}$	$-9.778 \cdot 10^{-5}$	0	0.0002929	0.0002929	0
ceWIm33	$-5.267 \cdot 10^{-20}$	$-5.267 \cdot 10^{-20}$	0	0.0007184	0.0007184	0
ceWRe33	$-4.896 \cdot 10^{-5}$	$-4.896 \cdot 10^{-5}$	0	0.001581	0.001581	0
cleQt1Re33	0.003358	0.003358	0	0.1668	0.1668	0
cleQt3Im33	$1.326 \cdot 10^{-18}$	$1.326 \cdot 10^{-18}$	0	2.65	2.65	0
cleQt3Re33	0.01008	0.01008	0	1.51	1.51	0
cll1221	0.0001036	0.0001036	0	$1.57 \cdot 10^{-6}$	$1.57 \cdot 10^{-6}$	0
ctBIm	$3.036 \cdot 10^{-19}$	$3.036 \cdot 10^{-19}$	0	0.002085	0.002085	0
ctHIm	$-6.963 \cdot 10^{-24}$	$-6.963 \cdot 10^{-24}$	0	$3.492 \cdot 10^{-8}$	$3.492 \cdot 10^{-8}$	0
ctHRe	$-1.018 \cdot 10^{-6}$	$-1.018 \cdot 10^{-6}$	0	$3.099 \cdot 10^{-8}$	$3.099 \cdot 10^{-8}$	0
ctWIm	$1.338 \cdot 10^{-19}$	$1.338 \cdot 10^{-19}$	0	0.0005875	0.0005875	0
ctWRe	-0.003103	-0.003103	0	0.000535	0.000535	0
cte33	-0.02008	-0.02008	0	0.1205	0.1205	0
ctl33	-0.02284	-0.02284	0	0.2528	0.2528	0

sm	0	0	0	0.001185	0.001185	0
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1.77 $t\bar{t} \rightarrow c\bar{c}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	-0.0001274	-0.0001274	0	$7.588 \cdot 10^{-6}$	$7.588 \cdot 10^{-6}$	0
cHQ1	-0.0003498	-0.0003498	0	$1.14 \cdot 10^{-5}$	$1.14 \cdot 10^{-5}$	0
cHQ3	0.0004556	0.0004556	0	$1.371 \cdot 10^{-5}$	$1.371 \cdot 10^{-5}$	0
cHWB	-0.001109	-0.001109	0	$9.83 \cdot 10^{-5}$	$9.83 \cdot 10^{-5}$	0
cHj1	-0.0004472	-0.0004472	0	$1.283 \cdot 10^{-5}$	$1.283 \cdot 10^{-5}$	0
cHj3	$5.69 \cdot 10^{-5}$	$5.69 \cdot 10^{-5}$	0	$5.413 \cdot 10^{-6}$	$5.413 \cdot 10^{-6}$	0
cHl311	-0.0003092	-0.0003092	0	$9.372 \cdot 10^{-6}$	$9.372 \cdot 10^{-6}$	0
cHl322	-0.000449	-0.000449	0	$1.361 \cdot 10^{-5}$	$1.361 \cdot 10^{-5}$	0
cHt	$-9.219 \cdot 10^{-5}$	$-9.219 \cdot 10^{-5}$	0	$1.881 \cdot 10^{-5}$	$1.881 \cdot 10^{-5}$	0
cQj11	0.02098	0.02098	0	0.09128	0.09128	0
cQj18	0.04379	0.04379	0	0.008145	0.008145	0
cQj31	0.1081	0.1081	0	0.4855	0.4855	0
cQj38	0.0723	0.0723	0	0.01777	0.01777	0
cQu1	0.01815	0.01815	0	0.5581	0.5581	0
cQu8	0.1411	0.1411	0	0.041	0.041	0
cjQtu1Im	$-3.884 \cdot 10^{-21}$	$6.998 \cdot 10^{-22}$	1.18	0.0001065	0.0001065	$2.817 \cdot 10^{-7}$
cjQtu1Re	$3.126 \cdot 10^{-5}$	$3.126 \cdot 10^{-5}$	$1.279 \cdot 10^{-7}$	0.0001065	0.0001065	$2.817 \cdot 10^{-7}$
cjQtu8Im	$-2.39 \cdot 10^{-21}$	$-1.354 \cdot 10^{-21}$	0.4334	$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.957 \cdot 10^{-7}$
cjQtu8Re	$4.669 \cdot 10^{-5}$	$4.669 \cdot 10^{-5}$	$1.499 \cdot 10^{-7}$	$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.957 \cdot 10^{-7}$
c111221	0.0001046	0.0001046	0	$1.585 \cdot 10^{-6}$	$1.585 \cdot 10^{-6}$	0
ctBIm	$5.374 \cdot 10^{-20}$	$5.374 \cdot 10^{-20}$	0	0.0002726	0.0002726	0
ctGIm	$-3.198 \cdot 10^{-23}$	$-2.123 \cdot 10^{-23}$	0.3363	0.02279	0.02279	0
ctGRe	-0.1986	-0.1986	0	0.0304	0.0304	0

ctHIm	$1.168 \cdot 10^{-22}$	$1.305 \cdot 10^{-22}$	-0.1172	$5.351 \cdot 10^{-8}$	$5.351 \cdot 10^{-8}$	0
ctHRe	$-1.56 \cdot 10^{-6}$	$-1.56 \cdot 10^{-6}$	0	$4.749 \cdot 10^{-8}$	$4.749 \cdot 10^{-8}$	0
ctWIm	$-8.584 \cdot 10^{-18}$	$-8.584 \cdot 10^{-18}$	$-4.112 \cdot 10^{-6}$	0.003417	0.003417	0
ctWRe	-0.003434	-0.003434	0	0.006577	0.006577	0
ctj1	0.01153	0.01153	0	0.1845	0.1845	0
ctj8	0.3643	0.3643	0	0.1163	0.1163	0
ctu1	0.07387	0.07387	0	0.6711	0.6711	0
ctu8	0.257	0.257	0	0.08009	0.08009	0
cuBIm	$7.836 \cdot 10^{-23}$	$7.861 \cdot 10^{-23}$	-0.003152	$1.581 \cdot 10^{-7}$	$1.581 \cdot 10^{-7}$	$3.163 \cdot 10^{-7}$
cuBRe	$3.111 \cdot 10^{-7}$	$3.111 \cdot 10^{-7}$	$1.286 \cdot 10^{-7}$	$1.516 \cdot 10^{-7}$	$1.516 \cdot 10^{-7}$	$2.638 \cdot 10^{-7}$
cuGRe	$-1.159 \cdot 10^{-5}$	$-1.159 \cdot 10^{-5}$	$8.631 \cdot 10^{-8}$	$1.795 \cdot 10^{-6}$	$1.795 \cdot 10^{-6}$	$2.786 \cdot 10^{-7}$
cuHIm	$-3.529 \cdot 10^{-23}$	$-8.418 \cdot 10^{-23}$	-1.386	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
cuHRe	$-1.538 \cdot 10^{-6}$	$-1.538 \cdot 10^{-6}$	$1.301 \cdot 10^{-7}$	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
cuWIm	$-6.905 \cdot 10^{-22}$	$-6.843 \cdot 10^{-22}$	0.008954	$3.477 \cdot 10^{-7}$	$3.477 \cdot 10^{-7}$	$2.876 \cdot 10^{-7}$
sm	0	0	0	0.6012	0.6012	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-3.436 \cdot 10^{-5}$	$-3.436 \cdot 10^{-5}$	0	$3.91 \cdot 10^{-6}$	$3.91 \cdot 10^{-6}$	0
cHQ1	-0.0002273	-0.0002273	0	$8.916 \cdot 10^{-6}$	$8.916 \cdot 10^{-6}$	0
cHQ3	0.0001046	0.0001046	0	$5.042 \cdot 10^{-6}$	$5.042 \cdot 10^{-6}$	0
cHWB	$-3.008 \cdot 10^{-5}$	$-3.008 \cdot 10^{-5}$	0	$1.516 \cdot 10^{-5}$	$1.516 \cdot 10^{-5}$	0
cHd	$-4.394 \cdot 10^{-5}$	$-4.394 \cdot 10^{-5}$	0	$6.283 \cdot 10^{-6}$	$6.283 \cdot 10^{-6}$	0
cHj1	0.0001184	0.0001184	0	$5.405 \cdot 10^{-6}$	$5.405 \cdot 10^{-6}$	0
cHj3	0.0002492	0.0002492	0	$8.206 \cdot 10^{-6}$	$8.206 \cdot 10^{-6}$	0
cH1311	-0.0009769	-0.0009769	0	$2.961 \cdot 10^{-5}$	$2.961 \cdot 10^{-5}$	0
cH1322	-0.0004707	-0.0004707	0	$1.427 \cdot 10^{-5}$	$1.427 \cdot 10^{-5}$	0

cHt	0.0001507	0.0001507	0	$5 \cdot 10^{-5}$	$5 \cdot 10^{-5}$	0
cQd8	0.3473	0.3473	0	0.1106	0.1106	0
cQj11	-0.1748	-0.1748	0	0.8453	0.8453	0
cQj18	0.08957	0.08957	0	0.0236	0.0236	0
cQj31	0.00462	0.00462	0	0.02622	0.02622	0
cQj38	-0.1521	-0.1521	0	0.04468	0.04468	0
cQtjd1Im	$-1.13 \cdot 10^{-26}$	$1.741 \cdot 10^{-26}$	2.541	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
cQtjd1Re	$-7.075 \cdot 10^{-10}$	$-7.075 \cdot 10^{-10}$	$-5.936 \cdot 10^{-7}$	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
cQtjd8Im	$1.943 \cdot 10^{-28}$	$1.262 \cdot 10^{-27}$	-5.493	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
cQtjd8Re	$2.012 \cdot 10^{-11}$	$2.012 \cdot 10^{-11}$	$-5.964 \cdot 10^{-7}$	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
cdBIm	$4.448 \cdot 10^{-26}$	$4.323 \cdot 10^{-26}$	0.02816	$2.068 \cdot 10^{-12}$	$2.068 \cdot 10^{-12}$	$-1.161 \cdot 10^{-6}$
cdBRe	$-4.259 \cdot 10^{-12}$	$-4.259 \cdot 10^{-12}$	$-5.87 \cdot 10^{-7}$	$2.038 \cdot 10^{-12}$	$2.038 \cdot 10^{-12}$	$-1.177 \cdot 10^{-6}$
cdGIm	$2.149 \cdot 10^{-27}$	$2.609 \cdot 10^{-27}$	-0.2142	$2.413 \cdot 10^{-11}$	$2.413 \cdot 10^{-11}$	$-1.16 \cdot 10^{-6}$
cdGRe	$-1.567 \cdot 10^{-10}$	$-1.567 \cdot 10^{-10}$	$-6.383 \cdot 10^{-7}$	$2.087 \cdot 10^{-11}$	$2.087 \cdot 10^{-11}$	$-1.198 \cdot 10^{-6}$
cdHIm	$-2.382 \cdot 10^{-28}$	$-2.607 \cdot 10^{-28}$	-0.09419	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
cdHRe	$-2.075 \cdot 10^{-11}$	$-2.075 \cdot 10^{-11}$	$-5.782 \cdot 10^{-7}$	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
cdWIm	$4.633 \cdot 10^{-27}$	$4.567 \cdot 10^{-27}$	0.01424	$4.624 \cdot 10^{-12}$	$4.624 \cdot 10^{-12}$	$-1.168 \cdot 10^{-6}$
cdWRe	$2.067 \cdot 10^{-12}$	$2.067 \cdot 10^{-12}$	$-5.805 \cdot 10^{-7}$	$3.671 \cdot 10^{-12}$	$3.671 \cdot 10^{-12}$	$-1.171 \cdot 10^{-6}$
cjtQd1Im	$8.809 \cdot 10^{-28}$	$5.584 \cdot 10^{-28}$	0.3661	$1.783 \cdot 10^{-10}$	$1.783 \cdot 10^{-10}$	$-1.178 \cdot 10^{-6}$
cjtQd1Re	$-9.692 \cdot 10^{-11}$	$-9.692 \cdot 10^{-11}$	$-5.881 \cdot 10^{-7}$	$2.71 \cdot 10^{-10}$	$2.71 \cdot 10^{-10}$	$-1.181 \cdot 10^{-6}$
cjtQd8Im	$7.401 \cdot 10^{-27}$	$4.152 \cdot 10^{-27}$	0.439	$4.9 \cdot 10^{-12}$	$4.9 \cdot 10^{-12}$	$-1.184 \cdot 10^{-6}$
cjtQd8Re	$-2.374 \cdot 10^{-10}$	$-2.374 \cdot 10^{-10}$	$-5.897 \cdot 10^{-7}$	$3.977 \cdot 10^{-11}$	$3.977 \cdot 10^{-11}$	$-1.182 \cdot 10^{-6}$
cll1221	0.0003183	0.0003183	0	$4.823 \cdot 10^{-6}$	$4.823 \cdot 10^{-6}$	0
ctBIm	$-1.602 \cdot 10^{-18}$	$-1.602 \cdot 10^{-18}$	$7.365 \cdot 10^{-6}$	0.0008292	0.0008292	0
ctGIm	$3.927 \cdot 10^{-29}$	$3.909 \cdot 10^{-29}$	0.004464	0.03721	0.03721	0
ctGRe	-0.1986	-0.1986	0	0.0414	0.0414	0
ctHIm	$5.077 \cdot 10^{-28}$	$1.711 \cdot 10^{-28}$	0.663	$7.236 \cdot 10^{-13}$	$7.236 \cdot 10^{-13}$	0
ctHRe	$-2.106 \cdot 10^{-11}$	$-2.106 \cdot 10^{-11}$	0	$6.421 \cdot 10^{-13}$	$6.421 \cdot 10^{-13}$	0
ctWIm	$1.139 \cdot 10^{-20}$	$1.127 \cdot 10^{-20}$	0.01033	0.005232	0.005232	0

ctWRe	0.0007639	0.0007639	0	0.001807	0.001807	0
ctd1	-0.04642	-0.04642	0	0.8453	0.8453	0
ctd8	0.1193	0.1193	0	0.03362	0.03362	0
ctj1	0.009133	0.009133	0	0.5525	0.5525	0
ctj8	0.6656	0.6656	0	0.218	0.218	0
sm	0	0	0	0.5803	0.5803	0

1.79 $t\bar{t} \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	$-6.732 \cdot 10^{-5}$	$-6.732 \cdot 10^{-5}$	0	$1.056 \cdot 10^{-5}$	$1.056 \cdot 10^{-5}$	0
cHQ1	-0.0007236	-0.0007236	0	$2.536 \cdot 10^{-5}$	$2.536 \cdot 10^{-5}$	0
cHQ3	0.000781	0.000781	0	$2.73 \cdot 10^{-5}$	$2.73 \cdot 10^{-5}$	0
cHWB	$-2.811 \cdot 10^{-5}$	$-2.811 \cdot 10^{-5}$	0	$1.713 \cdot 10^{-5}$	$1.713 \cdot 10^{-5}$	0
cHd	$-5.851 \cdot 10^{-5}$	$-5.851 \cdot 10^{-5}$	0	$5.468 \cdot 10^{-6}$	$5.468 \cdot 10^{-6}$	0
cHj1	0.0006384	0.0006384	0	$1.819 \cdot 10^{-5}$	$1.819 \cdot 10^{-5}$	0
cHj3	0.001157	0.001157	0	$3.254 \cdot 10^{-5}$	$3.254 \cdot 10^{-5}$	0
cH1311	-0.0009707	-0.0009707	0	$2.942 \cdot 10^{-5}$	$2.942 \cdot 10^{-5}$	0
cH1322	-0.0009204	-0.0009204	0	$2.79 \cdot 10^{-5}$	$2.79 \cdot 10^{-5}$	0
cHt	$1.204 \cdot 10^{-5}$	$1.204 \cdot 10^{-5}$	0	$2.64 \cdot 10^{-6}$	$2.64 \cdot 10^{-6}$	0
cQd8	0.5148	0.5148	0	0.1671	0.1671	0
cQj11	-0.05897	-0.05897	0	0.2878	0.2878	0
cQj18	0.4986	0.4986	0	0.1616	0.1616	0
cQj31	0.000257	0.000257	0	0.005224	0.005224	0
cQj38	-0.6528	-0.6528	0	0.2137	0.2137	0
cQtjd1Im	$6.738 \cdot 10^{-24}$	$6.74 \cdot 10^{-24}$	-0.0004263	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$7.003 \cdot 10^{-7}$
cQtjd1Re	$-2.819 \cdot 10^{-7}$	$-2.819 \cdot 10^{-7}$	$3.193 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$6.303 \cdot 10^{-7}$
cQtjd8Im	$2.255 \cdot 10^{-24}$	$-3.625 \cdot 10^{-25}$	1.161	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$

cQtjd8Re	$1.001 \cdot 10^{-8}$	$1.001 \cdot 10^{-8}$	$2.998 \cdot 10^{-7}$	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$
cdBIm	$2.838 \cdot 10^{-24}$	$2.891 \cdot 10^{-24}$	-0.01893	$8.437 \cdot 10^{-10}$	$8.437 \cdot 10^{-10}$	$6.282 \cdot 10^{-7}$
cdBRe	$4.197 \cdot 10^{-10}$	$4.197 \cdot 10^{-10}$	$3.097 \cdot 10^{-7}$	$1.029 \cdot 10^{-9}$	$1.029 \cdot 10^{-9}$	$5.833 \cdot 10^{-7}$
cdGIm	$7.338 \cdot 10^{-25}$	$4.379 \cdot 10^{-25}$	0.4033	$1.208 \cdot 10^{-8}$	$1.208 \cdot 10^{-8}$	$6.622 \cdot 10^{-7}$
cdGRe	$-6.213 \cdot 10^{-8}$	$-6.213 \cdot 10^{-8}$	$3.219 \cdot 10^{-7}$	$1.048 \cdot 10^{-8}$	$1.048 \cdot 10^{-8}$	$6.676 \cdot 10^{-7}$
cdHIm	$-1.391 \cdot 10^{-25}$	$-4.145 \cdot 10^{-25}$	-1.98	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
cdHRe	$-8.23 \cdot 10^{-9}$	$-8.23 \cdot 10^{-9}$	$3.159 \cdot 10^{-7}$	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
cdWIm	$-3.745 \cdot 10^{-25}$	$-3.734 \cdot 10^{-25}$	0.00276	$2.485 \cdot 10^{-10}$	$2.485 \cdot 10^{-10}$	$6.036 \cdot 10^{-7}$
cdWRe	$-1.308 \cdot 10^{-9}$	$-1.308 \cdot 10^{-9}$	$3.822 \cdot 10^{-7}$	$1.867 \cdot 10^{-9}$	$1.867 \cdot 10^{-9}$	$6.428 \cdot 10^{-7}$
cjtQd1Im	$-2.539 \cdot 10^{-24}$	$-3.023 \cdot 10^{-24}$	-0.1909	$4.47 \cdot 10^{-9}$	$4.47 \cdot 10^{-9}$	$6.488 \cdot 10^{-7}$
cjtQd1Re	$-4.503 \cdot 10^{-8}$	$-4.503 \cdot 10^{-8}$	$3.331 \cdot 10^{-7}$	$1.308 \cdot 10^{-7}$	$1.308 \cdot 10^{-7}$	$6.88 \cdot 10^{-7}$
cjtQd8Im	$8.348 \cdot 10^{-25}$	$3.206 \cdot 10^{-24}$	-2.841	$2.386 \cdot 10^{-8}$	$2.386 \cdot 10^{-8}$	$6.288 \cdot 10^{-7}$
cjtQd8Re	$-1.155 \cdot 10^{-7}$	$-1.155 \cdot 10^{-7}$	$3.463 \cdot 10^{-7}$	$2.384 \cdot 10^{-8}$	$2.384 \cdot 10^{-8}$	$6.291 \cdot 10^{-7}$
cll1221	0.0003771	0.0003771	0	$5.715 \cdot 10^{-6}$	$5.715 \cdot 10^{-6}$	0
ctBIm	$-1.114 \cdot 10^{-19}$	$-1.115 \cdot 10^{-19}$	-0.0004223	0.0004633	0.0004633	0
ctGIm	$2.866 \cdot 10^{-24}$	$2.909 \cdot 10^{-24}$	-0.01503	0.02941	0.02941	0
ctGRe	-0.1986	-0.1986	0	0.02887	0.02887	0
ctHIm	$-7.754 \cdot 10^{-25}$	$-8.013 \cdot 10^{-25}$	-0.03334	$2.87 \cdot 10^{-10}$	$2.87 \cdot 10^{-10}$	0
ctHRe	$-8.303 \cdot 10^{-9}$	$-8.303 \cdot 10^{-9}$	0	$2.547 \cdot 10^{-10}$	$2.547 \cdot 10^{-10}$	0
ctWIm	$3.095 \cdot 10^{-19}$	$3.095 \cdot 10^{-19}$	$-7.602 \cdot 10^{-5}$	0.003175	0.003175	0
ctWRe	-0.006866	-0.006866	0	0.004638	0.004638	0
ctd1	-0.01607	-0.01607	0	0.2878	0.2878	0
ctd8	0.4092	0.4092	0	0.1315	0.1315	0
ctj1	-0.003706	-0.003706	0	0.08992	0.08992	0
ctj8	0.03897	0.03897	0	0.00652	0.00652	0
sm	0	0	0	0.6182	0.6182	0

1.80 $t\bar{t} \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.04546	0.04546	0	0.0009097	0.0009097	0
cHQ1	0.03896	0.03896	0	0.008544	0.008544	0
cHQ3	-0.1312	-0.1312	0	0.009042	0.009042	0
cHWB	0.03003	0.03003	0	0.0006622	0.0006622	0
cH1311	0.048	0.048	0	0.00354	0.00354	0
cH1322	0.08841	0.08841	0	0.003665	0.003665	0
cHt	-0.09372	-0.09372	0	0.009373	0.009373	0
cQQ1	-33.89	-33.89	0	28.92	28.92	0
cQQ8	-8.202	-8.202	$-1.219 \cdot 10^{-8}$	3	3	0
cQt1	-0.9112	-0.9112	0	7.661	7.661	0
cQt8	-14.72	-14.72	0	1.587	1.587	0
c111221	-0.2091	-0.2091	0	0.001453	0.001453	0
ctBIm	$2.422 \cdot 10^{-17}$	$2.37 \cdot 10^{-17}$	0.02179	0.1502	0.1502	0
ctGIm	$-2.812 \cdot 10^{-17}$	$-2.901 \cdot 10^{-17}$	-0.03171	1.709	1.709	0
ctGRe	-0.1779	-0.1779	0	0.5408	0.5408	0
ctHIm	$-1.622 \cdot 10^{-18}$	$-1.87 \cdot 10^{-18}$	-0.1532	0.005029	0.005029	0
ctHRe	0.2523	0.2523	0	0.009769	0.009769	0
ctWIm	$1.473 \cdot 10^{-16}$	$1.481 \cdot 10^{-16}$	-0.004962	0.1316	0.1316	0
ctWRe	0.193	0.193	0	0.1799	0.1799	0
ctt	-0.3645	-0.3645	0	4.526	4.526	0
sm	0	0	0	1.555	1.555	0

1.81 $u\bar{d} \rightarrow \mu^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHj3	$2.861 \cdot 10^{-5}$	$2.861 \cdot 10^{-5}$	0	$8.673 \cdot 10^{-7}$	$8.673 \cdot 10^{-7}$	0

cHl311	-0.000267	-0.000267	0	$8.093 \cdot 10^{-6}$	$8.093 \cdot 10^{-6}$	0
cHl322	$4.923 \cdot 10^{-23}$	$4.923 \cdot 10^{-23}$	0	$1.224 \cdot 10^{-40}$	$1.224 \cdot 10^{-40}$	0
cHudIm	$-2.607 \cdot 10^{-40}$	$-7.081 \cdot 10^{-39}$	-26.16	$2.16 \cdot 10^{-25}$	$2.16 \cdot 10^{-25}$	$-2.685 \cdot 10^{-6}$
cHudRe	$-3.123 \cdot 10^{-24}$	$-3.123 \cdot 10^{-24}$	$-1.345 \cdot 10^{-6}$	$4.523 \cdot 10^{-26}$	$4.523 \cdot 10^{-26}$	$-2.675 \cdot 10^{-6}$
cdWIm	$1.121 \cdot 10^{-29}$	$-1.027 \cdot 10^{-29}$	1.916	$1.364 \cdot 10^{-12}$	$1.364 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$
cdWRe	$-1.596 \cdot 10^{-12}$	$-1.596 \cdot 10^{-12}$	$-5.639 \cdot 10^{-7}$	$2.986 \cdot 10^{-12}$	$2.986 \cdot 10^{-12}$	$-1.172 \cdot 10^{-6}$
ceWIm22	$-2.351 \cdot 10^{-23}$	$-2.351 \cdot 10^{-23}$	0	0.004355	0.004355	0
ceWRe22	$-1.819 \cdot 10^{-6}$	$-1.819 \cdot 10^{-6}$	0	0.004352	0.004352	0
cledjIm22	$1.227 \cdot 10^{-17}$	$1.227 \cdot 10^{-17}$	$-5.707 \cdot 10^{-7}$	$5.996 \cdot 10^{-11}$	$5.996 \cdot 10^{-11}$	$-1.168 \cdot 10^{-6}$
cledjRe22	$-7.304 \cdot 10^{-14}$	$-7.304 \cdot 10^{-14}$	$-5.888 \cdot 10^{-7}$	$5.996 \cdot 10^{-11}$	$5.996 \cdot 10^{-11}$	$-1.184 \cdot 10^{-6}$
cleju1Im22	$-2.63 \cdot 10^{-18}$	$-2.63 \cdot 10^{-18}$	$-7.224 \cdot 10^{-7}$	$1.283 \cdot 10^{-11}$	$1.283 \cdot 10^{-11}$	$-1.481 \cdot 10^{-6}$
cleju1Re22	$1.558 \cdot 10^{-14}$	$1.558 \cdot 10^{-14}$	$-7.06 \cdot 10^{-7}$	$1.283 \cdot 10^{-11}$	$1.283 \cdot 10^{-11}$	$-1.481 \cdot 10^{-6}$
cleju3Im22	$5.608 \cdot 10^{-18}$	$5.608 \cdot 10^{-18}$	$-7.311 \cdot 10^{-7}$	$6.451 \cdot 10^{-11}$	$6.451 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$
cleju3Re22	$-1.573 \cdot 10^{-15}$	$-1.573 \cdot 10^{-15}$	$-6.991 \cdot 10^{-7}$	$4.224 \cdot 10^{-13}$	$4.224 \cdot 10^{-13}$	$-1.444 \cdot 10^{-6}$
clj322	0.04479	0.04479	0	0.2088	0.2088	0
cll1221	0.0001759	0.0001759	0	$2.666 \cdot 10^{-6}$	$2.666 \cdot 10^{-6}$	0
cuWIm	$6.254 \cdot 10^{-28}$	$6.019 \cdot 10^{-28}$	0.03762	$6.277 \cdot 10^{-13}$	$6.277 \cdot 10^{-13}$	$-1.45 \cdot 10^{-6}$
sm	0	0	0	0.01322	0.01322	0

1.82 $u\bar{d} \rightarrow c\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHj3	0.007146	0.007146	0	0.0004332	0.0004332	0
cHl311	-0.001461	-0.001461	0	$4.428 \cdot 10^{-5}$	$4.428 \cdot 10^{-5}$	0
cHl322	$-7.447 \cdot 10^{-5}$	$-7.447 \cdot 10^{-5}$	0	$2.257 \cdot 10^{-6}$	$2.257 \cdot 10^{-6}$	0
cHudIm	$2.74 \cdot 10^{-33}$	$-5.478 \cdot 10^{-33}$	2.999	$2.183 \cdot 10^{-18}$	$2.183 \cdot 10^{-18}$	$9.619 \cdot 10^{-7}$
cHudRe	$-1.285 \cdot 10^{-15}$	$-1.285 \cdot 10^{-15}$	$4.671 \cdot 10^{-7}$	$2.21 \cdot 10^{-16}$	$2.21 \cdot 10^{-16}$	$9.501 \cdot 10^{-7}$
cdWIm	$-2.783 \cdot 10^{-25}$	$8.927 \cdot 10^{-26}$	1.321	$2.397 \cdot 10^{-9}$	$2.397 \cdot 10^{-9}$	$6.259 \cdot 10^{-7}$
cdWRe	$-4.489 \cdot 10^{-10}$	$-4.489 \cdot 10^{-10}$	$3.119 \cdot 10^{-7}$	$1.249 \cdot 10^{-9}$	$1.249 \cdot 10^{-9}$	$6.406 \cdot 10^{-7}$

cjj31	1.156	1.156	0	10.77	10.77	0
cjj38	$-4.669 \cdot 10^{-8}$	$1.802 \cdot 10^{-17}$	1	2.901	2.901	0
cjujd11Im	$-1.506 \cdot 10^{-19}$	$-1.506 \cdot 10^{-19}$	$-2.656 \cdot 10^{-7}$	$1.567 \cdot 10^{-16}$	$1.567 \cdot 10^{-16}$	$-5.743 \cdot 10^{-7}$
cjujd11Re	$-3.341 \cdot 10^{-15}$	$-3.341 \cdot 10^{-15}$	$-2.993 \cdot 10^{-7}$	$2.526 \cdot 10^{-15}$	$2.526 \cdot 10^{-15}$	$-5.939 \cdot 10^{-7}$
cjujd1Re	$-1.922 \cdot 10^{-14}$	$-1.922 \cdot 10^{-14}$	$-3.122 \cdot 10^{-7}$	$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	$-5.949 \cdot 10^{-7}$
cjujd81Im	$-1.04 \cdot 10^{-18}$	$-1.04 \cdot 10^{-18}$	$-2.885 \cdot 10^{-7}$	$1.095 \cdot 10^{-15}$	$1.095 \cdot 10^{-15}$	$-5.479 \cdot 10^{-7}$
cjujd81Re	$-7.796 \cdot 10^{-15}$	$-7.796 \cdot 10^{-15}$	$-2.95 \cdot 10^{-7}$	$1.756 \cdot 10^{-15}$	$1.756 \cdot 10^{-15}$	$-6.263 \cdot 10^{-7}$
cjujd8Im	$8.765 \cdot 10^{-32}$	$4.631 \cdot 10^{-32}$	0.4717	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-5.636 \cdot 10^{-7}$
cjujd8Re	$-3.51 \cdot 10^{-31}$	$-3.14 \cdot 10^{-39}$	1	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-6.105 \cdot 10^{-7}$
cll1221	0.0001913	0.0001913	0	$2.9 \cdot 10^{-6}$	$2.9 \cdot 10^{-6}$	0
cuWIm	$-1.471 \cdot 10^{-24}$	$-2.647 \cdot 10^{-23}$	-17	$1.53 \cdot 10^{-7}$	$1.53 \cdot 10^{-7}$	$3.268 \cdot 10^{-7}$
sm	0	0	0	0.02478	0.02478	0

1.83 $u\bar{d} \rightarrow u\bar{d}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHDD	-0.01057	-0.01057	0	0.0009395	0.0009395	0
cHWB	-0.0002551	-0.0002551	0	0.0001295	0.0001295	0
cHd	0.000127	0.000127	0	$5.927 \cdot 10^{-5}$	$5.927 \cdot 10^{-5}$	0
cHj1	$-2.114 \cdot 10^{-5}$	$-2.114 \cdot 10^{-5}$	0	$3.185 \cdot 10^{-5}$	$3.185 \cdot 10^{-5}$	0
cHj3	-0.02061	-0.02061	0	0.0213	0.0213	0
cHl311	0.0009916	0.0009916	0	$2.725 \cdot 10^{-5}$	$2.725 \cdot 10^{-5}$	0
cHl322	0.0242	0.0242	0	0.0009144	0.0009144	0
cHudIm	$-1.663 \cdot 10^{-36}$	$-1.908 \cdot 10^{-36}$	-0.1472	$1.57 \cdot 10^{-24}$	$1.57 \cdot 10^{-24}$	$-2.675 \cdot 10^{-6}$
cHudRe	$-1.773 \cdot 10^{-20}$	$-1.773 \cdot 10^{-20}$	$-1.297 \cdot 10^{-6}$	$2.283 \cdot 10^{-24}$	$2.283 \cdot 10^{-24}$	$-2.672 \cdot 10^{-6}$
cdBIm	$-2.57 \cdot 10^{-26}$	$-2.57 \cdot 10^{-26}$	$-5.058 \cdot 10^{-6}$	$1.031 \cdot 10^{-11}$	$1.031 \cdot 10^{-11}$	$-1.164 \cdot 10^{-6}$
cdBRe	$-2.541 \cdot 10^{-11}$	$-2.541 \cdot 10^{-11}$	$-5.904 \cdot 10^{-7}$	$9.482 \cdot 10^{-11}$	$9.482 \cdot 10^{-11}$	$-1.171 \cdot 10^{-6}$
cdGIm	$1.921 \cdot 10^{-25}$	$1.921 \cdot 10^{-25}$	$8.226 \cdot 10^{-6}$	$1.094 \cdot 10^{-9}$	$1.094 \cdot 10^{-9}$	$-1.188 \cdot 10^{-6}$

cdGRe	$-1.481 \cdot 10^{-10}$	$-1.481 \cdot 10^{-10}$	$-6.075 \cdot 10^{-7}$	$7.983 \cdot 10^{-11}$	$7.983 \cdot 10^{-11}$	$-1.165 \cdot 10^{-6}$
cdHIm	$2.063 \cdot 10^{-36}$	$2.109 \cdot 10^{-36}$	-0.02212	$9.863 \cdot 10^{-23}$	$9.863 \cdot 10^{-23}$	$-1.166 \cdot 10^{-6}$
cdHRe	$-2.027 \cdot 10^{-21}$	$-2.027 \cdot 10^{-21}$	$-5.921 \cdot 10^{-7}$	$9.746 \cdot 10^{-23}$	$9.746 \cdot 10^{-23}$	$-1.17 \cdot 10^{-6}$
cdWIm	$1.556 \cdot 10^{-24}$	$1.55 \cdot 10^{-24}$	0.003649	$1.685 \cdot 10^{-10}$	$1.685 \cdot 10^{-10}$	$-1.187 \cdot 10^{-6}$
cdWRe	$1.031 \cdot 10^{-9}$	$1.031 \cdot 10^{-9}$	$-5.819 \cdot 10^{-7}$	$1.429 \cdot 10^{-10}$	$1.429 \cdot 10^{-10}$	$-1.189 \cdot 10^{-6}$
cjd1	0.2004	0.2004	0	1	1	0
cjd8	-0.6607	-0.6607	0	0.2222	0.2222	0
cjj11	$7.881 \cdot 10^{-6}$	$7.881 \cdot 10^{-6}$	0	$4.519 \cdot 10^{-5}$	$4.519 \cdot 10^{-5}$	0
cjj18	-8.166	-8.166	0	0.6877	0.6877	0
cjj31	-1.058	-1.058	0	2.127	2.127	0
cjj38	0.6646	0.6646	$6.019 \cdot 10^{-8}$	0.9463	0.9463	$8.454 \cdot 10^{-8}$
cju1	-0.1884	-0.1884	0	1	1	0
cju8	-1.334	-1.334	0	0.2222	0.2222	0
cjujd11Im	$-7.932 \cdot 10^{-35}$	$-8.066 \cdot 10^{-35}$	-0.01693	$1.214 \cdot 10^{-19}$	$1.214 \cdot 10^{-19}$	$-2.636 \cdot 10^{-6}$
cjujd11Re	$-1.748 \cdot 10^{-20}$	$-1.748 \cdot 10^{-20}$	$-1.373 \cdot 10^{-6}$	$7.476 \cdot 10^{-20}$	$7.476 \cdot 10^{-20}$	$-2.662 \cdot 10^{-6}$
cjujd1Re	$1.483 \cdot 10^{-20}$	$1.483 \cdot 10^{-20}$	$-1.281 \cdot 10^{-6}$	$1.472 \cdot 10^{-19}$	$1.472 \cdot 10^{-19}$	$-2.65 \cdot 10^{-6}$
cjujd81Im	$-4.642 \cdot 10^{-35}$	$-4.496 \cdot 10^{-35}$	0.03157	$1.635 \cdot 10^{-20}$	$1.635 \cdot 10^{-20}$	$-2.691 \cdot 10^{-6}$
cjujd81Re	$1.138 \cdot 10^{-19}$	$1.138 \cdot 10^{-19}$	$-1.318 \cdot 10^{-6}$	$1.164 \cdot 10^{-20}$	$1.164 \cdot 10^{-20}$	$-2.664 \cdot 10^{-6}$
cjujd8Im	$-6.938 \cdot 10^{-36}$	$-6.517 \cdot 10^{-36}$	0.06076	$1.312 \cdot 10^{-20}$	$1.312 \cdot 10^{-20}$	$-2.667 \cdot 10^{-6}$
cjujd8Re	$6.838 \cdot 10^{-20}$	$6.838 \cdot 10^{-20}$	$-1.345 \cdot 10^{-6}$	$1.115 \cdot 10^{-20}$	$1.115 \cdot 10^{-20}$	$-2.69 \cdot 10^{-6}$
cll1221	-0.0003481	-0.0003481	0	$5.056 \cdot 10^{-6}$	$5.056 \cdot 10^{-6}$	0
cuBIm	$-3.576 \cdot 10^{-28}$	$-3.572 \cdot 10^{-28}$	0.0009023	$2.114 \cdot 10^{-15}$	$2.114 \cdot 10^{-15}$	$-1.419 \cdot 10^{-6}$
cuBRe	$-1.259 \cdot 10^{-12}$	$-1.259 \cdot 10^{-12}$	$-7.147 \cdot 10^{-7}$	$6.347 \cdot 10^{-12}$	$6.347 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
cuGRe	$-3.39 \cdot 10^{-11}$	$-3.39 \cdot 10^{-11}$	$-7.375 \cdot 10^{-7}$	$2.786 \cdot 10^{-10}$	$2.786 \cdot 10^{-10}$	$-1.436 \cdot 10^{-6}$
cuHIm	$-7.464 \cdot 10^{-36}$	$-7.458 \cdot 10^{-36}$	0.0007601	$9.827 \cdot 10^{-23}$	$9.827 \cdot 10^{-23}$	$-1.445 \cdot 10^{-6}$
cuHRe	$-2.027 \cdot 10^{-21}$	$-2.027 \cdot 10^{-21}$	$-7.401 \cdot 10^{-7}$	$9.746 \cdot 10^{-23}$	$9.746 \cdot 10^{-23}$	$-1.447 \cdot 10^{-6}$
cuWIm	$3.113 \cdot 10^{-25}$	$3.118 \cdot 10^{-25}$	-0.001497	$6.345 \cdot 10^{-12}$	$6.345 \cdot 10^{-12}$	$-1.434 \cdot 10^{-6}$
cud1	0.01543	0.01543	0	0.1681	0.1681	0
cud8	-0.1674	-0.1674	0	0.0343	0.0343	0

sm	0	0	0	10.41	10.41	0
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1.84 $u\bar{u} \rightarrow \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$8.07 \cdot 10^{-5}$	$8.07 \cdot 10^{-5}$	0	$6.13 \cdot 10^{-7}$	$6.13 \cdot 10^{-7}$	0
cHWB	$-7.559 \cdot 10^{-5}$	$-7.559 \cdot 10^{-5}$	0	$5.075 \cdot 10^{-6}$	$5.075 \cdot 10^{-6}$	0
cHj1	-0.0003543	-0.0003543	0	$1.528 \cdot 10^{-5}$	$1.528 \cdot 10^{-5}$	0
cHj3	$1.662 \cdot 10^{-6}$	$1.662 \cdot 10^{-6}$	0	$7.168 \cdot 10^{-8}$	$7.168 \cdot 10^{-8}$	0
cHl111	-0.0002265	-0.0002265	0	$6.866 \cdot 10^{-6}$	$6.866 \cdot 10^{-6}$	0
cHl311	$2.554 \cdot 10^{-20}$	$2.554 \cdot 10^{-20}$	0	$1.743 \cdot 10^{-37}$	$1.743 \cdot 10^{-37}$	0
cHl322	-0.0001126	-0.0001126	0	$3.414 \cdot 10^{-6}$	$3.414 \cdot 10^{-6}$	0
clj111	$3.575 \cdot 10^{-5}$	$3.575 \cdot 10^{-5}$	0	0.0001839	0.0001839	0
clj311	0.02213	0.02213	0	0.1138	0.1138	0
cll1221	0.0001193	0.0001193	0	$1.808 \cdot 10^{-6}$	$1.808 \cdot 10^{-6}$	0
clu11	-0.001656	-0.001656	0	0.02014	0.02014	0
cuBIm	$2.64 \cdot 10^{-29}$	$2.64 \cdot 10^{-29}$	$3.257 \cdot 10^{-6}$	$4.181 \cdot 10^{-14}$	$4.181 \cdot 10^{-14}$	$-1.459 \cdot 10^{-6}$
cuBRe	$-7.337 \cdot 10^{-14}$	$-7.337 \cdot 10^{-14}$	$-7.224 \cdot 10^{-7}$	$2.02 \cdot 10^{-14}$	$2.02 \cdot 10^{-14}$	$-1.485 \cdot 10^{-6}$
cuWIm	$1.227 \cdot 10^{-28}$	$1.227 \cdot 10^{-28}$	$-2.772 \cdot 10^{-6}$	$1.336 \cdot 10^{-13}$	$1.336 \cdot 10^{-13}$	$-1.497 \cdot 10^{-6}$
sm	0	0	0	0.0007744	0.0007744	0

1.85 $u\bar{u} \rightarrow c\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001102	-0.0001102	0	$7.141 \cdot 10^{-6}$	$7.141 \cdot 10^{-6}$	0
cHWB	-0.0008632	-0.0008632	0	$8.054 \cdot 10^{-5}$	$8.054 \cdot 10^{-5}$	0
cHj1	$-8.151 \cdot 10^{-5}$	$-8.151 \cdot 10^{-5}$	0	$1.545 \cdot 10^{-5}$	$1.545 \cdot 10^{-5}$	0

cHj3	0.0004623	0.0004623	0	$3.076 \cdot 10^{-5}$	$3.076 \cdot 10^{-5}$	0
cH1311	-0.000212	-0.000212	0	$6.425 \cdot 10^{-6}$	$6.425 \cdot 10^{-6}$	0
cH1322	$-4.27 \cdot 10^{-5}$	$-4.27 \cdot 10^{-5}$	0	$1.294 \cdot 10^{-6}$	$1.294 \cdot 10^{-6}$	0
cjj11	0.03528	0.03528	0	0.3191	0.3191	0
cjj18	0.08014	0.08014	$-1.248 \cdot 10^{-8}$	0.05409	0.05409	0
cjj31	0.4405	0.4405	0	3.984	3.984	0
cjj38	1.316	1.316	0	0.8883	0.8883	0
cju1	0.03029	0.03029	0	1.135	1.135	0
cju8	0.7495	0.7495	0	0.2529	0.2529	0
cll1221	0.0008844	0.0008844	0	$1.34 \cdot 10^{-5}$	$1.34 \cdot 10^{-5}$	0
cuBIm	$3.216 \cdot 10^{-24}$	$2.489 \cdot 10^{-24}$	0.226	$1.512 \cdot 10^{-7}$	$1.512 \cdot 10^{-7}$	$2.645 \cdot 10^{-7}$
cuBRe	$-1.361 \cdot 10^{-7}$	$-1.361 \cdot 10^{-7}$	$1.469 \cdot 10^{-7}$	$1.838 \cdot 10^{-7}$	$1.838 \cdot 10^{-7}$	$2.72 \cdot 10^{-7}$
cuGRe	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$2.093 \cdot 10^{-6}$	$2.093 \cdot 10^{-6}$	$2.866 \cdot 10^{-7}$
cuHIm	$2.268 \cdot 10^{-33}$	$5.617 \cdot 10^{-34}$	0.7524	$1.553 \cdot 10^{-17}$	$1.553 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
cuHRe	$-5.103 \cdot 10^{-16}$	$-5.103 \cdot 10^{-16}$	$-2.939 \cdot 10^{-7}$	$3.107 \cdot 10^{-17}$	$3.107 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
cuWIm	$-8.195 \cdot 10^{-25}$	$6.661 \cdot 10^{-25}$	1.813	$1.716 \cdot 10^{-7}$	$1.716 \cdot 10^{-7}$	$2.914 \cdot 10^{-7}$
cuu1	0.01737	0.01737	0	0.3191	0.3191	0
cuu8	0.2547	0.2547	0	0.1719	0.1719	0
sm	0	0	0	0.4948	0.4948	0

1.86 $u\bar{u} \rightarrow u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.005843	0.005843	0	$5.312 \cdot 10^{-5}$	$5.312 \cdot 10^{-5}$	0
cHWB	0.003629	0.003629	0	0.000328	0.000328	0
cHj1	0.0005801	0.0005801	0	0.02441	0.02441	0
cHj3	-0.0004521	-0.0004521	0	$2.586 \cdot 10^{-5}$	$2.586 \cdot 10^{-5}$	0
cH1311	0.007977	0.007977	0	$3.741 \cdot 10^{-5}$	$3.741 \cdot 10^{-5}$	0

cHl322	0.06368	0.06368	0	0.001097	0.001097	0
cjj11	-3.672	-3.672	0	5.231	5.231	0
cjj18	-0.1482	-0.1482	0	0.2185	0.2185	0
cjj31	-285.3	-285.3	0	10.45	10.45	0
cjj38	$-3.092 \cdot 10^4$	$-3.092 \cdot 10^4$	$-9.704 \cdot 10^{-8}$	1.185	1.185	$-1.688 \cdot 10^{-7}$
cju1	-0.08073	-0.08073	0	2.651	2.651	0
cju8	-20.65	-20.65	0	0.4463	0.4463	0
cll1221	-0.0007725	-0.0007725	0	$2.139 \cdot 10^{-6}$	$2.139 \cdot 10^{-6}$	0
cuBIm	$-1.757 \cdot 10^{-27}$	$-1.75 \cdot 10^{-27}$	0.003455	$1.294 \cdot 10^{-11}$	$1.294 \cdot 10^{-11}$	$-1.468 \cdot 10^{-6}$
cuBRe	$-1.487 \cdot 10^{-11}$	$-1.487 \cdot 10^{-11}$	$-7.397 \cdot 10^{-7}$	$8.966 \cdot 10^{-13}$	$8.967 \cdot 10^{-13}$	$-1.45 \cdot 10^{-6}$
cuGRe	$-1.01 \cdot 10^{-10}$	$-1.01 \cdot 10^{-10}$	$-6.933 \cdot 10^{-7}$	$5.126 \cdot 10^{-12}$	$5.126 \cdot 10^{-12}$	$-1.444 \cdot 10^{-6}$
cuHIm	$-9.842 \cdot 10^{-28}$	$-1.013 \cdot 10^{-27}$	-0.02888	$1.161 \cdot 10^{-22}$	$1.161 \cdot 10^{-22}$	$-1.465 \cdot 10^{-6}$
cuHRe	$2.927 \cdot 10^{-11}$	$2.927 \cdot 10^{-11}$	$-7.176 \cdot 10^{-7}$	$2.009 \cdot 10^{-22}$	$2.009 \cdot 10^{-22}$	$-1.443 \cdot 10^{-6}$
cuWIm	$9.05 \cdot 10^{-26}$	$9.108 \cdot 10^{-26}$	-0.00639	$1.648 \cdot 10^{-11}$	$1.648 \cdot 10^{-11}$	$-1.456 \cdot 10^{-6}$
cuu1	-3.347	-3.347	0	5.231	5.231	0
cuu8	-0.0004959	-0.0004959	$-1.008 \cdot 10^{-7}$	0.007179	0.007179	$-2.089 \cdot 10^{-7}$
sm	0	0	0	3.817	3.817	0

1.87 $zz \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cHB	-0.04058	-0.04058	0	0.04441	0.04441	0
cHBtil	$4.168 \cdot 10^{-17}$	$4.168 \cdot 10^{-17}$	0	0.04441	0.04441	0
cHDD	0.1179	0.1179	0	0.00179	0.00179	0
cHW	-0.3809	-0.3809	0	1.435	1.435	0
cHWB	0.2602	0.2602	0	0.1669	0.1669	0
cHWBtil	$-2.905 \cdot 10^{-15}$	$-2.905 \cdot 10^{-15}$	0	1.056	1.056	0
cHWtil	$1.304 \cdot 10^{-15}$	$1.304 \cdot 10^{-15}$	0	1.434	1.434	0

cHl311	-3.921	-3.921	0	0.1188	0.1188	0
cHl322	-4.074	-4.074	0	0.1235	0.1235	0
cW	-0.04279	-0.04279	0	15.98	15.98	0
cWtil	$-6.834 \cdot 10^{-14}$	$-6.835 \cdot 10^{-14}$	-0.0001354	16.02	16.02	0
c1l1221	3.427	3.427	0	0.05194	0.05194	0
sm	0	0	0	37.84	37.84	0

1.88 $zz \rightarrow zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.001734	0.001734	0	0.07301	0.07301	0
cHBtil	$-3.747 \cdot 10^{-19}$	$-3.747 \cdot 10^{-19}$	0	0.07251	0.07251	0
cHDD	0.004934	0.004934	0	$7.478 \cdot 10^{-5}$	$7.478 \cdot 10^{-5}$	0
cHW	0.006042	0.006042	0	0.8989	0.8989	0
cHWB	0.003252	0.003252	0	0.2367	0.2367	0
cHWBtil	$1.49 \cdot 10^{-18}$	$1.49 \cdot 10^{-18}$	0	0.2309	0.2309	0
cHWtil	$3.045 \cdot 10^{-17}$	$3.045 \cdot 10^{-17}$	0	0.9526	0.9526	0
cHl311	-0.009826	-0.009826	0	0.0002979	0.0002979	0
cHl322	-0.009816	-0.009816	0	0.0002975	0.0002975	0
c1l1221	0.004916	0.004916	0	$7.451 \cdot 10^{-5}$	$7.451 \cdot 10^{-5}$	0
sm	0	0	0	0.0804	0.0804	0

2 By parameter point

2.1 cG

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

$gg \rightarrow gg$	$8.154 \cdot 10^{-10}$	$8.154 \cdot 10^{-10}$	$1.496 \cdot 10^{-6}$	102.5	102.5	0
$gg \rightarrow ggg$	0.005935	0.005935	0	0.05581	0.05581	0
$gg \rightarrow t\bar{t}$	-0.2439	-0.2439	0	1.246	1.246	0
$gg \rightarrow u\bar{u}$	$4.128 \cdot 10^{-12}$	$4.128 \cdot 10^{-12}$	0	2.097	2.097	0

2.2 cGtil

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \rightarrow gg$	$-5.677 \cdot 10^{-16}$	$-5.371 \cdot 10^{-16}$	0.05397	93.73	93.73	0
$gg \rightarrow ggg$	-0.005071	-0.005071	0	0.01173	0.01173	0
$gg \rightarrow t\bar{t}$	$-4.792 \cdot 10^{-17}$	$-4.792 \cdot 10^{-17}$	0	2.488	2.488	0
$gg \rightarrow u\bar{u}$	$1.309 \cdot 10^{-16}$	$1.309 \cdot 10^{-16}$	0	2.223	2.223	0

2.3 cH

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow HH$	-1.385	-1.385	0	2.164	2.164	0
$HH \rightarrow HHH$	$1.018 \cdot 10^{-5}$	$1.018 \cdot 10^{-5}$	0	$1.724 \cdot 10^{-5}$	$1.724 \cdot 10^{-5}$	0
$HH \rightarrow H\tau^+\tau^-$	$-4.246 \cdot 10^{-10}$	$-4.246 \cdot 10^{-10}$	0	$8.57 \cdot 10^{-10}$	$8.57 \cdot 10^{-10}$	0
$HH \rightarrow Hb\bar{b}$	$-6.963 \cdot 10^{-9}$	$-6.963 \cdot 10^{-9}$	0	$1.334 \cdot 10^{-8}$	$1.334 \cdot 10^{-8}$	0
$HH \rightarrow Hs\bar{s}$	$-4.134 \cdot 10^{-10}$	$-4.134 \cdot 10^{-10}$	0	$6.452 \cdot 10^{-10}$	$6.452 \cdot 10^{-10}$	0
$HH \rightarrow Ht\bar{t}$	$1.675 \cdot 10^{-5}$	$1.675 \cdot 10^{-5}$	0	$1.814 \cdot 10^{-5}$	$1.814 \cdot 10^{-5}$	0
$HH \rightarrow Hu\bar{u}$	$-2.619 \cdot 10^{-15}$	$-2.619 \cdot 10^{-15}$	0	$6.799 \cdot 10^{-15}$	$6.799 \cdot 10^{-15}$	0
$HH \rightarrow Hzz$	$8.565 \cdot 10^{-6}$	$8.565 \cdot 10^{-6}$	0	$1.753 \cdot 10^{-5}$	$1.753 \cdot 10^{-5}$	0
$HH \rightarrow W^+W^-$	0.172	0.172	0	0.1331	0.1331	0
$HH \rightarrow W^+W^-\gamma$	$-4.961 \cdot 10^{-8}$	$-4.961 \cdot 10^{-8}$	0	$1.249 \cdot 10^{-8}$	$1.249 \cdot 10^{-8}$	0
$HH \rightarrow W^+\bar{t}b$	$2.749 \cdot 10^{-5}$	$2.749 \cdot 10^{-5}$	0	$2.594 \cdot 10^{-6}$	$2.594 \cdot 10^{-6}$	0

$HH \rightarrow W^+e^-\bar{\nu}_e$	$2.527 \cdot 10^{-9}$	$2.527 \cdot 10^{-9}$	0	$2.534 \cdot 10^{-11}$	$2.534 \cdot 10^{-11}$	0
$HH \rightarrow W^-u\bar{d}$	$1.423 \cdot 10^{-8}$	$1.423 \cdot 10^{-8}$	0	$1.113 \cdot 10^{-10}$	$1.113 \cdot 10^{-10}$	0
$HH \rightarrow z\bar{b}b$	$1.408 \cdot 10^{-8}$	$1.408 \cdot 10^{-8}$	0	$7.723 \cdot 10^{-9}$	$7.723 \cdot 10^{-9}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$4.463 \cdot 10^{-9}$	$4.463 \cdot 10^{-9}$	0	$1.728 \cdot 10^{-10}$	$1.728 \cdot 10^{-10}$	0
$HH \rightarrow z c\bar{c}$	$6.523 \cdot 10^{-8}$	$6.523 \cdot 10^{-8}$	0	$2.021 \cdot 10^{-7}$	$2.021 \cdot 10^{-7}$	0
$HH \rightarrow z d\bar{d}$	$9.943 \cdot 10^{-7}$	$9.943 \cdot 10^{-7}$	0	$1.08 \cdot 10^{-8}$	$1.08 \cdot 10^{-8}$	0
$HH \rightarrow ze^+e^-$	$3.374 \cdot 10^{-6}$	$3.374 \cdot 10^{-6}$	0	$1.287 \cdot 10^{-6}$	$1.287 \cdot 10^{-6}$	0
$HH \rightarrow z t\bar{t}$	$1.641 \cdot 10^{-5}$	$1.641 \cdot 10^{-5}$	0	$6.085 \cdot 10^{-7}$	$6.085 \cdot 10^{-7}$	0
$HH \rightarrow zz$	0.01175	0.01175	0	0.06606	0.06606	0
$W^+W^- \rightarrow Hb\bar{b}$	$-3.096 \cdot 10^{-10}$	$-3.096 \cdot 10^{-10}$	0	$1.315 \cdot 10^{-10}$	$1.315 \cdot 10^{-10}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$1.397 \cdot 10^{-10}$	$1.397 \cdot 10^{-10}$	0	$3.43 \cdot 10^{-11}$	$3.43 \cdot 10^{-11}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$9.491 \cdot 10^{-16}$	$9.491 \cdot 10^{-16}$	0	$2.515 \cdot 10^{-16}$	$2.515 \cdot 10^{-16}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.769 \cdot 10^{-7}$	$2.769 \cdot 10^{-7}$	0	$5.769 \cdot 10^{-8}$	$5.769 \cdot 10^{-8}$	0

2.4 cHB

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Hzz$	$5.554 \cdot 10^{-8}$	$5.554 \cdot 10^{-8}$	0	$4.852 \cdot 10^{-7}$	$4.852 \cdot 10^{-7}$	0
$HH \rightarrow W^+W^-\gamma$	$-3.188 \cdot 10^{-8}$	$-3.188 \cdot 10^{-8}$	0	$6.688 \cdot 10^{-8}$	$6.688 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	$8.458 \cdot 10^{-8}$	$8.458 \cdot 10^{-8}$	0	$3.449 \cdot 10^{-8}$	$3.449 \cdot 10^{-8}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$6.781 \cdot 10^{-8}$	$6.781 \cdot 10^{-8}$	0	$8.272 \cdot 10^{-8}$	$8.272 \cdot 10^{-8}$	0
$HH \rightarrow z c\bar{c}$	$5.004 \cdot 10^{-8}$	$5.004 \cdot 10^{-8}$	0	$1.848 \cdot 10^{-7}$	$1.848 \cdot 10^{-7}$	0
$HH \rightarrow z d\bar{d}$	$7.416 \cdot 10^{-8}$	$7.416 \cdot 10^{-8}$	0	$1.014 \cdot 10^{-6}$	$1.014 \cdot 10^{-6}$	0
$HH \rightarrow ze^+e^-$	$3.326 \cdot 10^{-8}$	$3.326 \cdot 10^{-8}$	0	$4.04 \cdot 10^{-7}$	$4.04 \cdot 10^{-7}$	0
$HH \rightarrow z t\bar{t}$	$-2.853 \cdot 10^{-5}$	$-2.853 \cdot 10^{-5}$	0	$1.647 \cdot 10^{-6}$	$1.647 \cdot 10^{-6}$	0
$HH \rightarrow zz$	0.01832	0.01832	0	0.2077	0.2077	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-5.082 \cdot 10^{-6}$	$-5.082 \cdot 10^{-6}$	0	$1.473 \cdot 10^{-7}$	$1.473 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$2.805 \cdot 10^{-7}$	$2.805 \cdot 10^{-7}$	0	$3.391 \cdot 10^{-8}$	$3.391 \cdot 10^{-8}$	0

$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$6.607 \cdot 10^{-9}$	$6.607 \cdot 10^{-9}$	0	$9.121 \cdot 10^{-9}$	$9.121 \cdot 10^{-9}$	0
$H\gamma \rightarrow b\bar{b}$	$-3.976 \cdot 10^{-6}$	$-3.976 \cdot 10^{-6}$	0	0.007175	0.007175	0
$H\gamma \rightarrow c\bar{c}$	$-5.333 \cdot 10^{-7}$	$-5.333 \cdot 10^{-7}$	0	0.01824	0.01824	0
$H\gamma \rightarrow d\bar{d}$	$-1.456 \cdot 10^{-11}$	$-1.456 \cdot 10^{-11}$	0	0.008394	0.008394	0
$H\gamma \rightarrow e^+ e^-$	$-7.697 \cdot 10^{-14}$	$-7.697 \cdot 10^{-14}$	0	0.01607	0.01607	0
$H\gamma \rightarrow t\bar{t}$	-0.03256	-0.03256	0	0.02081	0.02081	0
$H z \rightarrow \mu^+ \mu^-$	0.0003301	0.0003301	0	0.003899	0.003899	0
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	0.0007685	0.0007685	0	0.0006244	0.0006244	0
$H z \rightarrow b\bar{b}$	0.00115	0.00115	0	0.001355	0.001355	0
$H z \rightarrow s\bar{s}$	0.001081	0.001081	0	0.001258	0.001258	0
$H z \rightarrow t\bar{t}$	-0.01222	-0.01222	0	0.004164	0.004164	0
$H z \rightarrow u\bar{u}$	0.0005915	0.0005915	0	0.005405	0.005405	0
$W^+ W^- \rightarrow H b\bar{b}$	$-1.41 \cdot 10^{-8}$	$-1.41 \cdot 10^{-8}$	0	$1.295 \cdot 10^{-10}$	$1.295 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow H c\bar{c}$	$1.782 \cdot 10^{-8}$	$1.782 \cdot 10^{-8}$	0	$1.227 \cdot 10^{-9}$	$1.227 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow H d\bar{d}$	$-2.681 \cdot 10^{-8}$	$-2.681 \cdot 10^{-8}$	0	$3.063 \cdot 10^{-10}$	$3.063 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow H t\bar{t}$	$2.639 \cdot 10^{-8}$	$2.639 \cdot 10^{-8}$	0	$7.342 \cdot 10^{-10}$	$7.342 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow \gamma\gamma$	-0.04495	-0.04495	0	0.2771	0.2771	0
$W^+ W^- \rightarrow \gamma\gamma\gamma$	$-1.189 \cdot 10^{-8}$	$-1.189 \cdot 10^{-8}$	0	$1.33 \cdot 10^{-7}$	$1.33 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow z W^+$	-0.06812	-0.06812	0	0.156	0.156	0
$b\bar{b} \rightarrow \gamma\gamma$	$-3.892 \cdot 10^{-7}$	$-3.892 \cdot 10^{-7}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0
$z z \rightarrow W^+ W^-$	-0.04058	-0.04058	0	0.04441	0.04441	0
$z z \rightarrow z z$	0.001734	0.001734	0	0.07301	0.07301	0

2.5 cHBtil

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow H z z$	$1.74 \cdot 10^{-7}$	$1.74 \cdot 10^{-7}$	0	$9.257 \cdot 10^{-7}$	$9.257 \cdot 10^{-7}$	0
$HH \rightarrow W^+ W^- \gamma$	$-1.036 \cdot 10^{-7}$	$-1.036 \cdot 10^{-7}$	0	$2.263 \cdot 10^{-8}$	$2.263 \cdot 10^{-8}$	0

$HH \rightarrow z\bar{b}b$	$-3.082 \cdot 10^{-8}$	$-3.082 \cdot 10^{-8}$	0	$7.982 \cdot 10^{-8}$	$7.982 \cdot 10^{-8}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$5.909 \cdot 10^{-8}$	$5.909 \cdot 10^{-8}$	0	$3.882 \cdot 10^{-8}$	$3.882 \cdot 10^{-8}$	0
$HH \rightarrow zc\bar{c}$	$1.022 \cdot 10^{-10}$	$1.022 \cdot 10^{-10}$	0	$1.987 \cdot 10^{-7}$	$1.987 \cdot 10^{-7}$	0
$HH \rightarrow zd\bar{d}$	$9.904 \cdot 10^{-9}$	$9.904 \cdot 10^{-9}$	0	$1.794 \cdot 10^{-9}$	$1.794 \cdot 10^{-9}$	0
$HH \rightarrow ze^+e^-$	$-2.339 \cdot 10^{-9}$	$-2.339 \cdot 10^{-9}$	0	$1.38 \cdot 10^{-6}$	$1.38 \cdot 10^{-6}$	0
$HH \rightarrow zt\bar{t}$	$2.673 \cdot 10^{-8}$	$2.673 \cdot 10^{-8}$	0	$3.266 \cdot 10^{-7}$	$3.266 \cdot 10^{-7}$	0
$HH \rightarrow zz$	$2.205 \cdot 10^{-17}$	$2.205 \cdot 10^{-17}$	0	0.1869	0.1869	0
$HW^+ \rightarrow \gamma t\bar{b}$	$7.814 \cdot 10^{-8}$	$7.814 \cdot 10^{-8}$	0	$3.005 \cdot 10^{-7}$	$3.005 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$2.649 \cdot 10^{-9}$	$2.649 \cdot 10^{-9}$	0	$1.985 \cdot 10^{-9}$	$1.985 \cdot 10^{-9}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$-1.236 \cdot 10^{-10}$	$-1.236 \cdot 10^{-10}$	0	$7.297 \cdot 10^{-9}$	$7.297 \cdot 10^{-9}$	0
$H\gamma \rightarrow b\bar{b}$	$-7.139 \cdot 10^{-10}$	$-7.139 \cdot 10^{-10}$	0	0.005093	0.005093	0
$H\gamma \rightarrow c\bar{c}$	$8.41 \cdot 10^{-11}$	$8.41 \cdot 10^{-11}$	0	0.01669	0.01669	0
$H\gamma \rightarrow d\bar{d}$	$2.569 \cdot 10^{-15}$	$2.569 \cdot 10^{-15}$	0	0.006077	0.006077	0
$H\gamma \rightarrow e^+e^-$	$-2.135 \cdot 10^{-17}$	$-2.135 \cdot 10^{-17}$	0	0.01665	0.01665	0
$H\gamma \rightarrow t\bar{t}$	$8.077 \cdot 10^{-5}$	$8.077 \cdot 10^{-5}$	0	0.02462	0.02462	0
$H z \rightarrow \mu^+\mu^-$	$-5.068 \cdot 10^{-8}$	$-5.068 \cdot 10^{-8}$	0	0.002786	0.002786	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	$6.776 \cdot 10^{-21}$	$6.776 \cdot 10^{-21}$	0	0.0005853	0.0005853	0
$H z \rightarrow b\bar{b}$	$-1.945 \cdot 10^{-7}$	$-1.945 \cdot 10^{-7}$	0	0.001078	0.001078	0
$H z \rightarrow s\bar{s}$	$-3.425 \cdot 10^{-7}$	$-3.425 \cdot 10^{-7}$	0	0.001387	0.001387	0
$H z \rightarrow t\bar{t}$	$-6.381 \cdot 10^{-5}$	$-6.381 \cdot 10^{-5}$	0	0.006783	0.006783	0
$H z \rightarrow u\bar{u}$	$3.204 \cdot 10^{-7}$	$3.204 \cdot 10^{-7}$	0	0.003462	0.003462	0
$W^+W^- \rightarrow Hb\bar{b}$	$5.015 \cdot 10^{-9}$	$5.015 \cdot 10^{-9}$	0	$6.862 \cdot 10^{-12}$	$6.862 \cdot 10^{-12}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$-3.782 \cdot 10^{-9}$	$-3.782 \cdot 10^{-9}$	0	$1.35 \cdot 10^{-9}$	$1.35 \cdot 10^{-9}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-4.614 \cdot 10^{-9}$	$-4.614 \cdot 10^{-9}$	0	$1.167 \cdot 10^{-10}$	$1.167 \cdot 10^{-10}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-8.031 \cdot 10^{-9}$	$-8.031 \cdot 10^{-9}$	0	$5.795 \cdot 10^{-11}$	$5.795 \cdot 10^{-11}$	0
$W^+W^- \rightarrow \gamma\gamma$	$-1.718 \cdot 10^{-17}$	$-1.718 \cdot 10^{-17}$	0	0.2771	0.2771	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-2.577 \cdot 10^{-9}$	$-2.577 \cdot 10^{-9}$	0	$1.453 \cdot 10^{-7}$	$1.453 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow zW^+$	$8.234 \cdot 10^{-16}$	$8.234 \cdot 10^{-16}$	0	0.07367	0.07367	0
$b\bar{b} \rightarrow \gamma\gamma$	$6.275 \cdot 10^{-21}$	$6.275 \cdot 10^{-21}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0

$zz \rightarrow W^+W^-$	$4.168 \cdot 10^{-17}$	$4.168 \cdot 10^{-17}$	0	0.04441	0.04441	0
$zz \rightarrow zz$	$-3.747 \cdot 10^{-19}$	$-3.747 \cdot 10^{-19}$	0	0.07251	0.07251	0

2.6 cHDD

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow HH$	-0.114	-0.114	0	0.01481	0.01481	0
$HH \rightarrow HHH$	$6.973 \cdot 10^{-7}$	$6.973 \cdot 10^{-7}$	0	$3.68 \cdot 10^{-7}$	$3.68 \cdot 10^{-7}$	0
$HH \rightarrow H\tau^+\tau^-$	$2.142 \cdot 10^{-12}$	$2.142 \cdot 10^{-12}$	0	$3.966 \cdot 10^{-12}$	$3.966 \cdot 10^{-12}$	0
$HH \rightarrow Hb\bar{b}$	$-2.801 \cdot 10^{-11}$	$-2.801 \cdot 10^{-11}$	0	$1.234 \cdot 10^{-13}$	$1.234 \cdot 10^{-13}$	0
$HH \rightarrow Hs\bar{s}$	$-3.476 \cdot 10^{-13}$	$-3.476 \cdot 10^{-13}$	0	$1.25 \cdot 10^{-13}$	$1.25 \cdot 10^{-13}$	0
$HH \rightarrow Ht\bar{t}$	$-7.031 \cdot 10^{-6}$	$-7.031 \cdot 10^{-6}$	0	$1.125 \cdot 10^{-6}$	$1.125 \cdot 10^{-6}$	0
$HH \rightarrow Hu\bar{u}$	$-1.422 \cdot 10^{-16}$	$-1.422 \cdot 10^{-16}$	0	$6.311 \cdot 10^{-17}$	$6.311 \cdot 10^{-17}$	0
$HH \rightarrow Hzz$	$2.328 \cdot 10^{-6}$	$2.328 \cdot 10^{-6}$	0	$1.396 \cdot 10^{-6}$	$1.396 \cdot 10^{-6}$	0
$HH \rightarrow W^+W^-$	-0.05963	-0.05963	0	0.2532	0.2532	0
$HH \rightarrow W^+W^-\gamma$	$-8.116 \cdot 10^{-7}$	$-8.116 \cdot 10^{-7}$	0	$3.035 \cdot 10^{-7}$	$3.035 \cdot 10^{-7}$	0
$HH \rightarrow W^+\bar{t}b$	$-9.533 \cdot 10^{-6}$	$-9.533 \cdot 10^{-6}$	0	$7.864 \cdot 10^{-6}$	$7.864 \cdot 10^{-6}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$-1.378 \cdot 10^{-8}$	$-1.378 \cdot 10^{-8}$	0	$2.519 \cdot 10^{-10}$	$2.519 \cdot 10^{-10}$	0
$HH \rightarrow W^-u\bar{d}$	$-1.657 \cdot 10^{-8}$	$-1.657 \cdot 10^{-8}$	0	$1.192 \cdot 10^{-8}$	$1.192 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	$7.195 \cdot 10^{-8}$	$7.195 \cdot 10^{-8}$	0	$2.382 \cdot 10^{-9}$	$2.382 \cdot 10^{-9}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$2.002 \cdot 10^{-9}$	$2.002 \cdot 10^{-9}$	0	$3.167 \cdot 10^{-10}$	$3.167 \cdot 10^{-10}$	0
$HH \rightarrow zc\bar{c}$	$-2.496 \cdot 10^{-8}$	$-2.496 \cdot 10^{-8}$	0	$7.398 \cdot 10^{-9}$	$7.398 \cdot 10^{-9}$	0
$HH \rightarrow zd\bar{d}$	$6.937 \cdot 10^{-10}$	$6.937 \cdot 10^{-10}$	0	$7.906 \cdot 10^{-9}$	$7.906 \cdot 10^{-9}$	0
$HH \rightarrow ze^+e^-$	$-5.332 \cdot 10^{-9}$	$-5.332 \cdot 10^{-9}$	0	$2.32 \cdot 10^{-9}$	$2.32 \cdot 10^{-9}$	0
$HH \rightarrow zt\bar{t}$	$3.247 \cdot 10^{-5}$	$3.247 \cdot 10^{-5}$	0	$3.457 \cdot 10^{-6}$	$3.457 \cdot 10^{-6}$	0
$HH \rightarrow zz$	-0.0332	-0.0332	0	0.4524	0.4524	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.374 \cdot 10^{-7}$	$-1.374 \cdot 10^{-7}$	0	$4.671 \cdot 10^{-9}$	$4.671 \cdot 10^{-9}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-1.253 \cdot 10^{-8}$	$-1.253 \cdot 10^{-8}$	0	$4.261 \cdot 10^{-10}$	$4.261 \cdot 10^{-10}$	0

$HW^+ \rightarrow u\bar{d}$	-0.000283	-0.000283	0	$2.145 \cdot 10^{-6}$	$2.145 \cdot 10^{-6}$	0
$HW^- \rightarrow t\bar{b}$	-0.05469	-0.05469	0	0.0004144	0.0004144	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-1.715 \cdot 10^{-9}$	$-1.715 \cdot 10^{-9}$	0	$5.83 \cdot 10^{-11}$	$5.83 \cdot 10^{-11}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	$-4.719 \cdot 10^{-5}$	$-4.719 \cdot 10^{-5}$	0	$3.576 \cdot 10^{-7}$	$3.576 \cdot 10^{-7}$	0
$H\gamma \rightarrow b\bar{b}$	-0.0008759	-0.0008759	0	$2.978 \cdot 10^{-5}$	$2.978 \cdot 10^{-5}$	0
$H\gamma \rightarrow c\bar{c}$	$-6.839 \cdot 10^{-6}$	$-6.839 \cdot 10^{-6}$	0	$2.325 \cdot 10^{-7}$	$2.325 \cdot 10^{-7}$	0
$H\gamma \rightarrow d\bar{d}$	$-1.272 \cdot 10^{-11}$	$-1.272 \cdot 10^{-11}$	0	$4.325 \cdot 10^{-13}$	$4.325 \cdot 10^{-13}$	0
$H\gamma \rightarrow e^+ e^-$	$-9.142 \cdot 10^{-13}$	$-9.142 \cdot 10^{-13}$	0	$3.109 \cdot 10^{-14}$	$3.109 \cdot 10^{-14}$	0
$H\gamma \rightarrow t\bar{t}$	-0.07207	-0.07207	0	0.002451	0.002451	0
$H z \rightarrow \mu^+ \mu^-$	$6.74 \cdot 10^{-5}$	$6.74 \cdot 10^{-5}$	0	$2.925 \cdot 10^{-5}$	$2.925 \cdot 10^{-5}$	0
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	$1.079 \cdot 10^{-19}$	$1.079 \cdot 10^{-19}$	0	$1.119 \cdot 10^{-35}$	$1.119 \cdot 10^{-35}$	0
$H z \rightarrow b\bar{b}$	$9.723 \cdot 10^{-5}$	$9.723 \cdot 10^{-5}$	0	$1.193 \cdot 10^{-5}$	$1.193 \cdot 10^{-5}$	0
$H z \rightarrow s\bar{s}$	0.0003012	0.0003012	0	$6.735 \cdot 10^{-6}$	$6.735 \cdot 10^{-6}$	0
$H z \rightarrow t\bar{t}$	-0.002253	-0.002253	0	0.01604	0.01604	0
$H z \rightarrow u\bar{u}$	$9.114 \cdot 10^{-5}$	$9.114 \cdot 10^{-5}$	0	$7.056 \cdot 10^{-6}$	$7.056 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H b \bar{b}$	$-2.576 \cdot 10^{-7}$	$-2.576 \cdot 10^{-7}$	0	$3.015 \cdot 10^{-9}$	$3.015 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$-2.77 \cdot 10^{-8}$	$-2.77 \cdot 10^{-8}$	0	$5.016 \cdot 10^{-10}$	$5.016 \cdot 10^{-10}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$-2.649 \cdot 10^{-7}$	$-2.649 \cdot 10^{-7}$	0	$3.708 \cdot 10^{-9}$	$3.708 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$-2.676 \cdot 10^{-7}$	$-2.676 \cdot 10^{-7}$	0	$3.002 \cdot 10^{-7}$	$3.002 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow W^+ W^-$	2.515	2.515	0	0.03812	0.03812	0
$W^+ W^- \rightarrow \gamma \gamma$	-0.02145	-0.02145	0	0.001133	0.001133	0
$W^+ W^- \rightarrow \gamma \gamma \gamma$	$-3.321 \cdot 10^{-7}$	$-3.321 \cdot 10^{-7}$	0	$2.633 \cdot 10^{-8}$	$2.633 \cdot 10^{-8}$	0
$\gamma W^+ \rightarrow z W^+$	-0.02588	-0.02588	0	0.0004878	0.0004878	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	-0.001552	-0.001552	0	$9.644 \cdot 10^{-5}$	$9.644 \cdot 10^{-5}$	0
$\nu_\tau \bar{\nu}_\tau \rightarrow \nu_\tau \bar{\nu}_\tau$	$-1.171 \cdot 10^{-5}$	$-1.171 \cdot 10^{-5}$	0	$1.775 \cdot 10^{-7}$	$1.775 \cdot 10^{-7}$	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.0001433	-0.0001433	0	$2.171 \cdot 10^{-6}$	$2.171 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \gamma \gamma$	-0.00205	-0.00205	0	0.0001084	0.0001084	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	$-3.345 \cdot 10^{-5}$	$-3.345 \cdot 10^{-5}$	0	$4.624 \cdot 10^{-6}$	$4.624 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	$-2.928 \cdot 10^{-5}$	$-2.928 \cdot 10^{-5}$	0	$1.219 \cdot 10^{-6}$	$1.219 \cdot 10^{-6}$	0

$b\bar{b} \rightarrow b\bar{b}$	$-3.683 \cdot 10^{-6}$	$-3.683 \cdot 10^{-6}$	0	$3.436 \cdot 10^{-6}$	$3.436 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow d\bar{d}$	-0.0001274	-0.0001274	0	$3.071 \cdot 10^{-6}$	$3.071 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	0.00048	0.00048	0	$3.863 \cdot 10^{-6}$	$3.863 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow u\bar{u}$	$-4.294 \cdot 10^{-5}$	$-4.294 \cdot 10^{-5}$	0	$3.333 \cdot 10^{-6}$	$3.333 \cdot 10^{-6}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0001606	-0.0001606	0	$1.091 \cdot 10^{-5}$	$1.091 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow c\bar{c}$	$-8.579 \cdot 10^{-5}$	$-8.579 \cdot 10^{-5}$	0	$1.182 \cdot 10^{-5}$	$1.182 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow e^+e^-$	$-5.511 \cdot 10^{-5}$	$-5.511 \cdot 10^{-5}$	0	$1.021 \cdot 10^{-5}$	$1.021 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow s\bar{s}$	$-6.401 \cdot 10^{-5}$	$-6.401 \cdot 10^{-5}$	0	$1.694 \cdot 10^{-6}$	$1.694 \cdot 10^{-6}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.001405	-0.001405	0	$9.783 \cdot 10^{-5}$	$9.783 \cdot 10^{-5}$	0
$e^+\nu_e \rightarrow e^+\nu_e$	-0.002301	-0.002301	0	0.0002531	0.0002531	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.006529	-0.006529	0	0.0004238	0.0004238	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.002013	-0.002013	0	0.0001185	0.0001185	0
$e^+e^- \rightarrow e^+e^-$	-0.00439	-0.00439	0	0.000298	0.000298	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	$-3.041 \cdot 10^{-5}$	$-3.041 \cdot 10^{-5}$	0	$1.931 \cdot 10^{-6}$	$1.931 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.003709	0.003709	0	$1.28 \cdot 10^{-5}$	$1.28 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$8.215 \cdot 10^{-5}$	$8.215 \cdot 10^{-5}$	0	$8.462 \cdot 10^{-7}$	$8.462 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.000191	-0.000191	0	$1.21 \cdot 10^{-5}$	$1.21 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.0001274	-0.0001274	0	$7.588 \cdot 10^{-6}$	$7.588 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow d\bar{d}$	$-3.436 \cdot 10^{-5}$	$-3.436 \cdot 10^{-5}$	0	$3.91 \cdot 10^{-6}$	$3.91 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	$-6.732 \cdot 10^{-5}$	$-6.732 \cdot 10^{-5}$	0	$1.056 \cdot 10^{-5}$	$1.056 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.04546	0.04546	0	0.0009097	0.0009097	0
$u\bar{d} \rightarrow u\bar{d}$	-0.01057	-0.01057	0	0.0009395	0.0009395	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	$8.07 \cdot 10^{-5}$	$8.07 \cdot 10^{-5}$	0	$6.13 \cdot 10^{-7}$	$6.13 \cdot 10^{-7}$	0
$u\bar{u} \rightarrow c\bar{c}$	-0.0001102	-0.0001102	0	$7.141 \cdot 10^{-6}$	$7.141 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow u\bar{u}$	0.005843	0.005843	0	$5.312 \cdot 10^{-5}$	$5.312 \cdot 10^{-5}$	0
$zz \rightarrow W^+W^-$	0.1179	0.1179	0	0.00179	0.00179	0
$zz \rightarrow zz$	0.004934	0.004934	0	$7.478 \cdot 10^{-5}$	$7.478 \cdot 10^{-5}$	0

2.7 cHG

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$gg \rightarrow t\bar{t}$	-0.09152	-0.09152	0	0.04069	0.04069	0
$gg \rightarrow u\bar{u}$	$-1.194 \cdot 10^{-11}$	$-1.194 \cdot 10^{-11}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0

2.8 cHGtil

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$gg \rightarrow gg$	$2.344 \cdot 10^{-18}$	$2.344 \cdot 10^{-18}$	0	$7.433 \cdot 10^{-34}$	$7.433 \cdot 10^{-34}$	0
$gg \rightarrow ggg$	$-7.78 \cdot 10^{-15}$	$-7.78 \cdot 10^{-15}$	0	$8.694 \cdot 10^{-26}$	$8.694 \cdot 10^{-26}$	0
$gg \rightarrow t\bar{t}$	$2.602 \cdot 10^{-18}$	$2.602 \cdot 10^{-18}$	0	0.04069	0.04069	0
$gg \rightarrow u\bar{u}$	$1.377 \cdot 10^{-27}$	$1.377 \cdot 10^{-27}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0

2.9 cHQ1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z\bar{b}b$	$8.104 \cdot 10^{-7}$	$8.104 \cdot 10^{-7}$	0	$6.877 \cdot 10^{-7}$	$6.877 \cdot 10^{-7}$	0
$HH \rightarrow zt\bar{t}$	0.0005476	0.0005476	0	0.0002396	0.0002396	0
$H\bar{z} \rightarrow b\bar{b}$	0.1557	0.1557	0	0.6719	0.6719	0
$H\bar{z} \rightarrow t\bar{t}$	1.604	1.604	0	0.298	0.298	0
$W^+W^- \rightarrow Hb\bar{b}$	$8.422 \cdot 10^{-7}$	$8.422 \cdot 10^{-7}$	0	$1.274 \cdot 10^{-7}$	$1.274 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-4.062 \cdot 10^{-7}$	$-4.062 \cdot 10^{-7}$	0	$1.91 \cdot 10^{-6}$	$1.91 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	0.0001829	0.0001829	0	$4.557 \cdot 10^{-6}$	$4.557 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	0.0002766	0.0002766	0	$9.846 \cdot 10^{-6}$	$9.846 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	-0.002244	-0.002244	0	$2.573 \cdot 10^{-5}$	$2.573 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow d\bar{d}$	0.00121	0.00121	0	$3.899 \cdot 10^{-5}$	$3.899 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.000623	-0.000623	0	$3.297 \cdot 10^{-6}$	$3.297 \cdot 10^{-6}$	0

$b\bar{b} \rightarrow u\bar{u}$	0.0003854	0.0003854	0	$1.179 \cdot 10^{-5}$	$1.179 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.0001068	-0.0001068	0	$4.902 \cdot 10^{-6}$	$4.902 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.0001209	-0.0001209	0	$3.49 \cdot 10^{-6}$	$3.49 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.0003498	-0.0003498	0	$1.14 \cdot 10^{-5}$	$1.14 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	-0.0002273	-0.0002273	0	$8.916 \cdot 10^{-6}$	$8.916 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	-0.0007236	-0.0007236	0	$2.536 \cdot 10^{-5}$	$2.536 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.03896	0.03896	0	0.008544	0.008544	0

2.10 cHQ3

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$9.992 \cdot 10^{-6}$	$9.992 \cdot 10^{-6}$	0	$1.38 \cdot 10^{-5}$	$1.38 \cdot 10^{-5}$	0
$HH \rightarrow z \bar{b}b$	$1.587 \cdot 10^{-6}$	$1.587 \cdot 10^{-6}$	0	$3.02 \cdot 10^{-6}$	$3.02 \cdot 10^{-6}$	0
$HH \rightarrow z t\bar{t}$	-0.0002109	-0.0002109	0	0.0002284	0.0002284	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-5.439 \cdot 10^{-7}$	$-5.439 \cdot 10^{-7}$	0	$8.228 \cdot 10^{-8}$	$8.228 \cdot 10^{-8}$	0
$HW^- \rightarrow \bar{t}b$	-0.6571	-0.6571	0	1.304	1.304	0
$H z \rightarrow b\bar{b}$	0.2213	0.2213	0	0.9528	0.9528	0
$H z \rightarrow t\bar{t}$	-1.973	-1.973	0	0.6405	0.6405	0
$W^+ W^- \rightarrow H b\bar{b}$	$-1.648 \cdot 10^{-5}$	$-1.648 \cdot 10^{-5}$	0	$9.448 \cdot 10^{-7}$	$9.448 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H t\bar{t}$	$5.637 \cdot 10^{-6}$	$5.637 \cdot 10^{-6}$	0	$8.383 \cdot 10^{-6}$	$8.383 \cdot 10^{-6}$	0
$\bar{b}t \rightarrow \bar{d}u$	0.0008963	0.0008963	0	$2.717 \cdot 10^{-5}$	$2.717 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	$8.356 \cdot 10^{-5}$	$8.356 \cdot 10^{-5}$	0	$2.921 \cdot 10^{-6}$	$2.921 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	0.0002177	0.0002177	0	$7.749 \cdot 10^{-6}$	$7.749 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	-0.02018	-0.02018	0	0.0002647	0.0002647	0
$b\bar{b} \rightarrow d\bar{d}$	0.000139	0.000139	0	$4.984 \cdot 10^{-6}$	$4.984 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	0.009176	0.009176	0	0.004458	0.004458	0
$b\bar{b} \rightarrow u\bar{u}$	0.0006247	0.0006247	0	$1.807 \cdot 10^{-5}$	$1.807 \cdot 10^{-5}$	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0.001635	0.001635	0	$4.956 \cdot 10^{-5}$	$4.956 \cdot 10^{-5}$	0

$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	0.0005294	0.0005294	0	$2.313 \cdot 10^{-5}$	$2.313 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	0.0001888	0.0001888	0	$4.301 \cdot 10^{-6}$	$4.301 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	0.0004556	0.0004556	0	$1.371 \cdot 10^{-5}$	$1.371 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	0.0001046	0.0001046	0	$5.042 \cdot 10^{-6}$	$5.042 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	0.000781	0.000781	0	$2.73 \cdot 10^{-5}$	$2.73 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	-0.1312	-0.1312	0	0.009042	0.009042	0

2.11 cHW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Hzz$	$-3.264 \cdot 10^{-6}$	$-3.264 \cdot 10^{-6}$	0	$5.184 \cdot 10^{-6}$	$5.184 \cdot 10^{-6}$	0
$HH \rightarrow W^+ W^-$	-0.003125	-0.003125	0	8.03	8.03	0
$HH \rightarrow W^+ W^- \gamma$	$-2.725 \cdot 10^{-7}$	$-2.725 \cdot 10^{-7}$	0	0.0001085	0.0001085	0
$HH \rightarrow W^+ \bar{t}b$	$-2.813 \cdot 10^{-6}$	$-2.813 \cdot 10^{-6}$	0	$6.049 \cdot 10^{-6}$	$6.049 \cdot 10^{-6}$	0
$HH \rightarrow W^+ e^- \bar{\nu}_e$	$6.46 \cdot 10^{-8}$	$6.46 \cdot 10^{-8}$	0	$5.247 \cdot 10^{-7}$	$5.247 \cdot 10^{-7}$	0
$HH \rightarrow W^- u\bar{d}$	$1.044 \cdot 10^{-8}$	$1.044 \cdot 10^{-8}$	0	$2.361 \cdot 10^{-6}$	$2.361 \cdot 10^{-6}$	0
$HH \rightarrow z\bar{b}b$	$2.029 \cdot 10^{-7}$	$2.029 \cdot 10^{-7}$	0	$1.792 \cdot 10^{-5}$	$1.792 \cdot 10^{-5}$	0
$HH \rightarrow z\nu_e \bar{\nu}_e$	$1.872 \cdot 10^{-7}$	$1.872 \cdot 10^{-7}$	0	$2.537 \cdot 10^{-7}$	$2.537 \cdot 10^{-7}$	0
$HH \rightarrow z c\bar{c}$	$7.359 \cdot 10^{-7}$	$7.359 \cdot 10^{-7}$	0	$4.172 \cdot 10^{-6}$	$4.172 \cdot 10^{-6}$	0
$HH \rightarrow z d\bar{d}$	$2.579 \cdot 10^{-6}$	$2.579 \cdot 10^{-6}$	0	$8.784 \cdot 10^{-6}$	$8.784 \cdot 10^{-6}$	0
$HH \rightarrow z e^+ e^-$	$9.597 \cdot 10^{-8}$	$9.597 \cdot 10^{-8}$	0	$7.802 \cdot 10^{-7}$	$7.802 \cdot 10^{-7}$	0
$HH \rightarrow z t\bar{t}$	$-1.585 \cdot 10^{-5}$	$-1.585 \cdot 10^{-5}$	0	$3.252 \cdot 10^{-6}$	$3.252 \cdot 10^{-6}$	0
$HH \rightarrow zz$	0.02966	0.02966	0	2.324	2.324	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-2.956 \cdot 10^{-6}$	$-2.956 \cdot 10^{-6}$	0	$1.509 \cdot 10^{-6}$	$1.509 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$4.821 \cdot 10^{-8}$	$4.821 \cdot 10^{-8}$	0	$5.739 \cdot 10^{-6}$	$5.739 \cdot 10^{-6}$	0
$HW^+ \rightarrow u\bar{d}$	0.01659	0.01659	0	0.07783	0.07783	0
$HW^- \rightarrow \bar{t}b$	-0.1055	-0.1055	0	0.06885	0.06885	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-1.61 \cdot 10^{-7}$	$-1.61 \cdot 10^{-7}$	0	$1.655 \cdot 10^{-6}$	$1.655 \cdot 10^{-6}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	0.006514	0.006514	0	0.03055	0.03055	0

$H\gamma \rightarrow b\bar{b}$	$-1.267 \cdot 10^{-5}$	$-1.267 \cdot 10^{-5}$	0	0.01303	0.01303	0
$H\gamma \rightarrow c\bar{c}$	$-2.077 \cdot 10^{-7}$	$-2.077 \cdot 10^{-7}$	0	0.009423	0.009423	0
$H\gamma \rightarrow d\bar{d}$	$-1.24 \cdot 10^{-11}$	$-1.24 \cdot 10^{-11}$	0	0.0125	0.0125	0
$H\gamma \rightarrow e^+e^-$	$-2.086 \cdot 10^{-13}$	$-2.086 \cdot 10^{-13}$	0	0.004396	0.004396	0
$H\gamma \rightarrow t\bar{t}$	-0.03258	-0.03258	0	0.01178	0.01178	0
$H\gamma \rightarrow \mu^+\mu^-$	0.001542	0.001542	0	0.007831	0.007831	0
$H\gamma \rightarrow \nu_\tau\bar{\nu}_\tau$	0.00362	0.00362	0	0.01025	0.01025	0
$H\gamma \rightarrow b\bar{b}$	0.009514	0.009514	0	0.03193	0.03193	0
$H\gamma \rightarrow s\bar{s}$	0.006166	0.006166	0	0.02049	0.02049	0
$H\gamma \rightarrow t\bar{t}$	-0.08269	-0.08269	0	0.03501	0.03501	0
$H\gamma \rightarrow u\bar{u}$	0.006045	0.006045	0	0.02428	0.02428	0
$W^+W^- \rightarrow Hb\bar{b}$	$-7.675 \cdot 10^{-8}$	$-7.675 \cdot 10^{-8}$	0	$4.835 \cdot 10^{-8}$	$4.835 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$-1.331 \cdot 10^{-7}$	$-1.331 \cdot 10^{-7}$	0	$7.849 \cdot 10^{-8}$	$7.849 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-2.675 \cdot 10^{-6}$	$-2.675 \cdot 10^{-6}$	0	$1.138 \cdot 10^{-5}$	$1.138 \cdot 10^{-5}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-9.358 \cdot 10^{-7}$	$-9.358 \cdot 10^{-7}$	0	$1.928 \cdot 10^{-5}$	$1.928 \cdot 10^{-5}$	0
$W^+W^- \rightarrow W^+W^-$	0.2915	0.2915	0	3.341	3.341	0
$W^+W^- \rightarrow \gamma\gamma$	-0.01318	-0.01318	0	0.02279	0.02279	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$3.524 \cdot 10^{-9}$	$3.524 \cdot 10^{-9}$	0	$2.47 \cdot 10^{-8}$	$2.47 \cdot 10^{-8}$	0
$\gamma W^+ \rightarrow zW^+$	0.04747	0.04747	0	0.06296	0.06296	0
$b\bar{b} \rightarrow \gamma\gamma$	$-1.134 \cdot 10^{-7}$	$-1.134 \cdot 10^{-7}$	0	$5.97 \cdot 10^{-7}$	$5.97 \cdot 10^{-7}$	0
$zz \rightarrow W^+W^-$	-0.3809	-0.3809	0	1.435	1.435	0
$zz \rightarrow zz$	0.006042	0.006042	0	0.8989	0.8989	0

2.12 cHWB

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Hzz$	$-2.855 \cdot 10^{-6}$	$-2.855 \cdot 10^{-6}$	0	$5.145 \cdot 10^{-6}$	$5.145 \cdot 10^{-6}$	0
$HH \rightarrow W^+W^-\gamma$	-0.0001825	-0.0001825	0	$1.053 \cdot 10^{-5}$	$1.053 \cdot 10^{-5}$	0

$HH \rightarrow z\bar{b}b$	$1.062 \cdot 10^{-7}$	$1.062 \cdot 10^{-7}$	0	$8.565 \cdot 10^{-8}$	$8.565 \cdot 10^{-8}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$-5.232 \cdot 10^{-8}$	$-5.232 \cdot 10^{-8}$	0	$1.085 \cdot 10^{-7}$	$1.085 \cdot 10^{-7}$	0
$HH \rightarrow zc\bar{c}$	$5.562 \cdot 10^{-6}$	$5.562 \cdot 10^{-6}$	0	$1.498 \cdot 10^{-5}$	$1.498 \cdot 10^{-5}$	0
$HH \rightarrow zd\bar{d}$	$2.071 \cdot 10^{-7}$	$2.071 \cdot 10^{-7}$	0	$3.693 \cdot 10^{-7}$	$3.693 \cdot 10^{-7}$	0
$HH \rightarrow ze^+e^-$	$-3.419 \cdot 10^{-8}$	$-3.419 \cdot 10^{-8}$	0	$1.901 \cdot 10^{-7}$	$1.901 \cdot 10^{-7}$	0
$HH \rightarrow zt\bar{t}$	$-3.825 \cdot 10^{-6}$	$-3.825 \cdot 10^{-6}$	0	$7.133 \cdot 10^{-7}$	$7.133 \cdot 10^{-7}$	0
$HH \rightarrow zz$	0.05668	0.05668	0	0.7912	0.7912	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.012 \cdot 10^{-6}$	$-1.012 \cdot 10^{-6}$	0	$1.078 \cdot 10^{-6}$	$1.078 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-4.915 \cdot 10^{-7}$	$-4.915 \cdot 10^{-7}$	0	$4.298 \cdot 10^{-6}$	$4.298 \cdot 10^{-6}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$-2.015 \cdot 10^{-8}$	$-2.015 \cdot 10^{-8}$	0	$1.755 \cdot 10^{-8}$	$1.755 \cdot 10^{-8}$	0
$H\gamma \rightarrow b\bar{b}$	$-1.889 \cdot 10^{-5}$	$-1.889 \cdot 10^{-5}$	0	0.009422	0.009422	0
$H\gamma \rightarrow c\bar{c}$	$-7.553 \cdot 10^{-6}$	$-7.553 \cdot 10^{-6}$	0	0.01375	0.01375	0
$H\gamma \rightarrow d\bar{d}$	$-2.466 \cdot 10^{-11}$	$-2.466 \cdot 10^{-11}$	0	0.009927	0.009927	0
$H\gamma \rightarrow e^+e^-$	$-1.217 \cdot 10^{-12}$	$-1.217 \cdot 10^{-12}$	0	0.007723	0.007723	0
$H\gamma \rightarrow t\bar{t}$	-0.1285	-0.1285	0	0.0175	0.0175	0
$H\gamma \rightarrow \mu^+\mu^-$	0.000682	0.000682	0	0.002033	0.002033	0
$H\gamma \rightarrow \nu_\tau\bar{\nu}_\tau$	0.001774	0.001774	0	0.002692	0.002692	0
$H\gamma \rightarrow b\bar{b}$	0.003276	0.003276	0	0.004021	0.004021	0
$H\gamma \rightarrow s\bar{s}$	0.002859	0.002859	0	0.003302	0.003302	0
$H\gamma \rightarrow t\bar{t}$	-0.01627	-0.01627	0	0.007793	0.007793	0
$H\gamma \rightarrow u\bar{u}$	0.003297	0.003297	0	0.006171	0.006171	0
$W^+W^- \rightarrow Hb\bar{b}$	$-1.064 \cdot 10^{-7}$	$-1.064 \cdot 10^{-7}$	0	$1.396 \cdot 10^{-8}$	$1.396 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$8.005 \cdot 10^{-9}$	$8.005 \cdot 10^{-9}$	0	$2.039 \cdot 10^{-7}$	$2.039 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-2.598 \cdot 10^{-8}$	$-2.598 \cdot 10^{-8}$	0	$1.542 \cdot 10^{-8}$	$1.542 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.32 \cdot 10^{-5}$	$2.32 \cdot 10^{-5}$	0	$7.45 \cdot 10^{-7}$	$7.45 \cdot 10^{-7}$	0
$W^+W^- \rightarrow W^+W^-$	0.6213	0.6213	0	0.04208	0.04208	0
$W^+W^- \rightarrow \gamma\gamma$	-0.04994	-0.04994	0	0.08126	0.08126	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-3.571 \cdot 10^{-7}$	$-3.571 \cdot 10^{-7}$	0	$1.322 \cdot 10^{-7}$	$1.322 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow zW^+$	0.06142	0.06142	0	0.4787	0.4787	0

$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.009911	-0.009911	0	0.0008985	0.0008985	0
$b\bar{b} \rightarrow \gamma\gamma$	$-3.803 \cdot 10^{-5}$	$-3.803 \cdot 10^{-5}$	0	$6.362 \cdot 10^{-6}$	$6.362 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-5.227 \cdot 10^{-5}$	$-5.227 \cdot 10^{-5}$	0	$1.437 \cdot 10^{-5}$	$1.437 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$9.092 \cdot 10^{-5}$	$9.092 \cdot 10^{-5}$	0	$1.07 \cdot 10^{-6}$	$1.07 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	0.009449	0.009449	0	$8.671 \cdot 10^{-5}$	$8.671 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow d\bar{d}$	$2.027 \cdot 10^{-5}$	$2.027 \cdot 10^{-5}$	0	$1.103 \cdot 10^{-6}$	$1.103 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.0004979	-0.0004979	0	$1.618 \cdot 10^{-5}$	$1.618 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow u\bar{u}$	$-6.567 \cdot 10^{-5}$	$-6.567 \cdot 10^{-5}$	0	$1.74 \cdot 10^{-5}$	$1.74 \cdot 10^{-5}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0007871	-0.0007871	0	$7.222 \cdot 10^{-5}$	$7.222 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow c\bar{c}$	$-9.782 \cdot 10^{-5}$	$-9.782 \cdot 10^{-5}$	0	$2.358 \cdot 10^{-5}$	$2.358 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow e^+e^-$	-0.0001328	-0.0001328	0	$1.611 \cdot 10^{-5}$	$1.611 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow s\bar{s}$	$1.958 \cdot 10^{-5}$	$1.958 \cdot 10^{-5}$	0	$1.043 \cdot 10^{-6}$	$1.043 \cdot 10^{-6}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.002497	-0.002497	0	0.0002926	0.0002926	0
$e^+\nu_e \rightarrow e^+\nu_e$	0.0003354	0.0003354	0	0.000521	0.000521	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.0105	-0.0105	0	0.001674	0.001674	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.004287	-0.004287	0	0.0007247	0.0007247	0
$e^+e^- \rightarrow e^+e^-$	-0.01181	-0.01181	0	0.001995	0.001995	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0.0001812	0.0001812	0	$1.79 \cdot 10^{-6}$	$1.79 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.01073	0.01073	0	0.0001033	0.0001033	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	0.0001423	0.0001423	0	$4.786 \cdot 10^{-6}$	$4.786 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.001107	-0.001107	0	$9.683 \cdot 10^{-5}$	$9.683 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.001109	-0.001109	0	$9.83 \cdot 10^{-5}$	$9.83 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	$-3.008 \cdot 10^{-5}$	$-3.008 \cdot 10^{-5}$	0	$1.516 \cdot 10^{-5}$	$1.516 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	$-2.811 \cdot 10^{-5}$	$-2.811 \cdot 10^{-5}$	0	$1.713 \cdot 10^{-5}$	$1.713 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.03003	0.03003	0	0.0006622	0.0006622	0
$u\bar{d} \rightarrow u\bar{d}$	-0.0002551	-0.0002551	0	0.0001295	0.0001295	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	$-7.559 \cdot 10^{-5}$	$-7.559 \cdot 10^{-5}$	0	$5.075 \cdot 10^{-6}$	$5.075 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow c\bar{c}$	-0.0008632	-0.0008632	0	$8.054 \cdot 10^{-5}$	$8.054 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow u\bar{u}$	0.003629	0.003629	0	0.000328	0.000328	0

$zz \rightarrow W^+W^-$	0.2602	0.2602	0	0.1669	0.1669	0
$zz \rightarrow zz$	0.003252	0.003252	0	0.2367	0.2367	0

2.13 cHWBtil

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Hzz$	$7.47 \cdot 10^{-7}$	$7.47 \cdot 10^{-7}$	0	$1.007 \cdot 10^{-5}$	$1.007 \cdot 10^{-5}$	0
$HH \rightarrow W^+W^-\gamma$	$-2.013 \cdot 10^{-6}$	$-2.013 \cdot 10^{-6}$	0	$2.329 \cdot 10^{-5}$	$2.329 \cdot 10^{-5}$	0
$HH \rightarrow z\bar{b}b$	$3.669 \cdot 10^{-7}$	$3.669 \cdot 10^{-7}$	0	$1.729 \cdot 10^{-6}$	$1.729 \cdot 10^{-6}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$-1.6 \cdot 10^{-7}$	$-1.6 \cdot 10^{-7}$	0	$8.16 \cdot 10^{-7}$	$8.16 \cdot 10^{-7}$	0
$HH \rightarrow z c\bar{c}$	$5.213 \cdot 10^{-8}$	$5.213 \cdot 10^{-8}$	0	$2.718 \cdot 10^{-8}$	$2.718 \cdot 10^{-8}$	0
$HH \rightarrow z d\bar{d}$	$-1.251 \cdot 10^{-8}$	$-1.251 \cdot 10^{-8}$	0	$3.492 \cdot 10^{-7}$	$3.492 \cdot 10^{-7}$	0
$HH \rightarrow ze^+e^-$	$7.379 \cdot 10^{-9}$	$7.379 \cdot 10^{-9}$	0	$1.664 \cdot 10^{-7}$	$1.664 \cdot 10^{-7}$	0
$HH \rightarrow zt\bar{t}$	$-2.013 \cdot 10^{-7}$	$-2.013 \cdot 10^{-7}$	0	$3.143 \cdot 10^{-7}$	$3.143 \cdot 10^{-7}$	0
$HH \rightarrow zz$	$-2.277 \cdot 10^{-18}$	$-2.277 \cdot 10^{-18}$	0	0.8315	0.8315	0
$HW^+ \rightarrow \gamma t\bar{b}$	$3.054 \cdot 10^{-7}$	$3.054 \cdot 10^{-7}$	0	$1.422 \cdot 10^{-6}$	$1.422 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$6.927 \cdot 10^{-8}$	$6.927 \cdot 10^{-8}$	0	$1.991 \cdot 10^{-7}$	$1.991 \cdot 10^{-7}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$-1.582 \cdot 10^{-8}$	$-1.582 \cdot 10^{-8}$	0	$4.42 \cdot 10^{-8}$	$4.42 \cdot 10^{-8}$	0
$H\gamma \rightarrow b\bar{b}$	$7.472 \cdot 10^{-10}$	$7.472 \cdot 10^{-10}$	0	0.007197	0.007197	0
$H\gamma \rightarrow c\bar{c}$	$4.102 \cdot 10^{-10}$	$4.102 \cdot 10^{-10}$	0	0.01439	0.01439	0
$H\gamma \rightarrow d\bar{d}$	$-2.678 \cdot 10^{-16}$	$-2.678 \cdot 10^{-16}$	0	0.006574	0.006574	0
$H\gamma \rightarrow e^+e^-$	$-2.455 \cdot 10^{-17}$	$-2.455 \cdot 10^{-17}$	0	0.006538	0.006538	0
$H\gamma \rightarrow t\bar{t}$	$1.388 \cdot 10^{-5}$	$1.388 \cdot 10^{-5}$	0	0.01277	0.01277	0
$H z \rightarrow \mu^+\mu^-$	$-1.222 \cdot 10^{-7}$	$-1.222 \cdot 10^{-7}$	0	0.002209	0.002209	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	$-7.454 \cdot 10^{-20}$	$-7.454 \cdot 10^{-20}$	0	0.003094	0.003094	0
$H z \rightarrow b\bar{b}$	$-8.548 \cdot 10^{-8}$	$-8.548 \cdot 10^{-8}$	0	0.003494	0.003494	0
$H z \rightarrow s\bar{s}$	$6.947 \cdot 10^{-8}$	$6.947 \cdot 10^{-8}$	0	0.00341	0.00341	0
$H z \rightarrow t\bar{t}$	$-5.131 \cdot 10^{-6}$	$-5.131 \cdot 10^{-6}$	0	0.004699	0.004699	0

$H z \rightarrow u \bar{u}$	$-1.312 \cdot 10^{-7}$	$-1.312 \cdot 10^{-7}$	0	0.003375	0.003375	0
$W^+ W^- \rightarrow H b \bar{b}$	$-2.296 \cdot 10^{-8}$	$-2.296 \cdot 10^{-8}$	0	$1.636 \cdot 10^{-8}$	$1.636 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$8.743 \cdot 10^{-8}$	$8.743 \cdot 10^{-8}$	0	$4.798 \cdot 10^{-7}$	$4.798 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$-3.298 \cdot 10^{-9}$	$-3.298 \cdot 10^{-9}$	0	$1.401 \cdot 10^{-8}$	$1.401 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$1.96 \cdot 10^{-8}$	$1.96 \cdot 10^{-8}$	0	$1.844 \cdot 10^{-7}$	$1.844 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow W^+ W^-$	$-2.013 \cdot 10^{-15}$	$-2.013 \cdot 10^{-15}$	0	0.001982	0.001982	0
$W^+ W^- \rightarrow \gamma \gamma$	$-3.41 \cdot 10^{-17}$	$-3.41 \cdot 10^{-17}$	0	0.07495	0.07495	0
$W^+ W^- \rightarrow \gamma \gamma \gamma$	$1.14 \cdot 10^{-8}$	$1.14 \cdot 10^{-8}$	0	$8.041 \cdot 10^{-8}$	$8.041 \cdot 10^{-8}$	0
$\gamma W^+ \rightarrow z W^+$	$2.64 \cdot 10^{-16}$	$2.64 \cdot 10^{-16}$	0	0.4716	0.4716	0
$b \bar{b} \rightarrow \gamma \gamma$	$5.942 \cdot 10^{-25}$	$5.942 \cdot 10^{-25}$	0	$2.082 \cdot 10^{-6}$	$2.082 \cdot 10^{-6}$	0
$z z \rightarrow W^+ W^-$	$-2.905 \cdot 10^{-15}$	$-2.905 \cdot 10^{-15}$	0	1.056	1.056	0
$z z \rightarrow z z$	$1.49 \cdot 10^{-18}$	$1.49 \cdot 10^{-18}$	0	0.2309	0.2309	0

2.14 cHWtil

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow H z z$	$-1.144 \cdot 10^{-5}$	$-1.144 \cdot 10^{-5}$	0	$7.411 \cdot 10^{-6}$	$7.411 \cdot 10^{-6}$	0
$HH \rightarrow W^+ W^-$	$1.019 \cdot 10^{-14}$	$1.019 \cdot 10^{-14}$	0	12.72	12.72	0
$HH \rightarrow W^+ W^- \gamma$	$5.549 \cdot 10^{-7}$	$5.549 \cdot 10^{-7}$	0	0.0003739	0.0003739	0
$HH \rightarrow W^+ \bar{t} b$	$9.672 \cdot 10^{-7}$	$9.672 \cdot 10^{-7}$	0	$4.807 \cdot 10^{-6}$	$4.807 \cdot 10^{-6}$	0
$HH \rightarrow W^+ e^- \bar{\nu}_e$	$6.617 \cdot 10^{-8}$	$6.617 \cdot 10^{-8}$	0	$4.361 \cdot 10^{-6}$	$4.361 \cdot 10^{-6}$	0
$HH \rightarrow W^- u \bar{d}$	$-3.145 \cdot 10^{-6}$	$-3.145 \cdot 10^{-6}$	0	$1.041 \cdot 10^{-5}$	$1.041 \cdot 10^{-5}$	0
$HH \rightarrow z \bar{b} b$	$4.969 \cdot 10^{-7}$	$4.969 \cdot 10^{-7}$	0	$1.586 \cdot 10^{-6}$	$1.586 \cdot 10^{-6}$	0
$HH \rightarrow z \nu_e \bar{\nu}_e$	$1.085 \cdot 10^{-7}$	$1.085 \cdot 10^{-7}$	0	$1.075 \cdot 10^{-6}$	$1.075 \cdot 10^{-6}$	0
$HH \rightarrow z c \bar{c}$	$2.163 \cdot 10^{-6}$	$2.163 \cdot 10^{-6}$	0	$2.663 \cdot 10^{-5}$	$2.663 \cdot 10^{-5}$	0
$HH \rightarrow z d \bar{d}$	$-1.094 \cdot 10^{-6}$	$-1.094 \cdot 10^{-6}$	0	$3.771 \cdot 10^{-6}$	$3.771 \cdot 10^{-6}$	0
$HH \rightarrow z e^+ e^-$	$-4.96 \cdot 10^{-8}$	$-4.96 \cdot 10^{-8}$	0	$6.687 \cdot 10^{-7}$	$6.687 \cdot 10^{-7}$	0
$HH \rightarrow z t \bar{t}$	$3.655 \cdot 10^{-6}$	$3.655 \cdot 10^{-6}$	0	$4.143 \cdot 10^{-6}$	$4.143 \cdot 10^{-6}$	0

$HH \rightarrow zz$	$1.372 \cdot 10^{-16}$	$1.372 \cdot 10^{-16}$	0	2.383	2.383	0
$HW^+ \rightarrow \gamma t \bar{b}$	$2.032 \cdot 10^{-8}$	$2.032 \cdot 10^{-8}$	0	$8.371 \cdot 10^{-7}$	$8.371 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u \bar{d}$	$-5.196 \cdot 10^{-9}$	$-5.196 \cdot 10^{-9}$	0	$5.89 \cdot 10^{-7}$	$5.89 \cdot 10^{-7}$	0
$HW^+ \rightarrow u \bar{d}$	$-5.974 \cdot 10^{-15}$	$-5.974 \cdot 10^{-15}$	0	0.05262	0.05262	0
$HW^- \rightarrow \bar{t} b$	$-3.847 \cdot 10^{-5}$	$-3.847 \cdot 10^{-5}$	0	0.06272	0.06272	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-5.876 \cdot 10^{-10}$	$-5.876 \cdot 10^{-10}$	0	$3.28 \cdot 10^{-8}$	$3.28 \cdot 10^{-8}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	$-2.022 \cdot 10^{-11}$	$-2.022 \cdot 10^{-11}$	0	0.03185	0.03185	0
$H\gamma \rightarrow b \bar{b}$	$-6.222 \cdot 10^{-10}$	$-6.222 \cdot 10^{-10}$	0	0.009097	0.009097	0
$H\gamma \rightarrow c \bar{c}$	$3.898 \cdot 10^{-10}$	$3.898 \cdot 10^{-10}$	0	0.01101	0.01101	0
$H\gamma \rightarrow d \bar{d}$	$-2.379 \cdot 10^{-15}$	$-2.379 \cdot 10^{-15}$	0	0.01077	0.01077	0
$H\gamma \rightarrow e^+ e^-$	$4.312 \cdot 10^{-18}$	$4.312 \cdot 10^{-18}$	0	0.002932	0.002932	0
$H\gamma \rightarrow t \bar{t}$	$-9.393 \cdot 10^{-5}$	$-9.393 \cdot 10^{-5}$	0	0.01294	0.01294	0
$H z \rightarrow \mu^+ \mu^-$	$6.939 \cdot 10^{-10}$	$6.939 \cdot 10^{-10}$	0	0.006758	0.006758	0
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	$-1.412 \cdot 10^{-22}$	$-1.412 \cdot 10^{-22}$	0	0.01305	0.01305	0
$H z \rightarrow b \bar{b}$	$1.912 \cdot 10^{-8}$	$1.912 \cdot 10^{-8}$	0	0.02041	0.02041	0
$H z \rightarrow s \bar{s}$	$-4.234 \cdot 10^{-7}$	$-4.234 \cdot 10^{-7}$	0	0.03575	0.03575	0
$H z \rightarrow t \bar{t}$	$1.108 \cdot 10^{-5}$	$1.108 \cdot 10^{-5}$	0	0.02922	0.02922	0
$H z \rightarrow u \bar{u}$	$8.442 \cdot 10^{-7}$	$8.442 \cdot 10^{-7}$	0	0.03557	0.03557	0
$W^+ W^- \rightarrow H b \bar{b}$	$2.8 \cdot 10^{-8}$	$2.8 \cdot 10^{-8}$	0	$1.858 \cdot 10^{-8}$	$1.858 \cdot 10^{-8}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$5.25 \cdot 10^{-7}$	$5.25 \cdot 10^{-7}$	0	$4.741 \cdot 10^{-6}$	$4.741 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$7.293 \cdot 10^{-7}$	$7.293 \cdot 10^{-7}$	0	$1.58 \cdot 10^{-6}$	$1.58 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$1.861 \cdot 10^{-7}$	$1.861 \cdot 10^{-7}$	0	$2.509 \cdot 10^{-5}$	$2.509 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow W^+ W^-$	$-2.755 \cdot 10^{-15}$	$-2.755 \cdot 10^{-15}$	0	3.439	3.439	0
$W^+ W^- \rightarrow \gamma \gamma$	$-1.34 \cdot 10^{-17}$	$-1.34 \cdot 10^{-17}$	0	0.02279	0.02279	0
$W^+ W^- \rightarrow \gamma \gamma \gamma$	$-8.243 \cdot 10^{-10}$	$-8.243 \cdot 10^{-10}$	0	$2.561 \cdot 10^{-9}$	$2.561 \cdot 10^{-9}$	0
$\gamma W^+ \rightarrow z W^+$	$-2.977 \cdot 10^{-17}$	$-2.977 \cdot 10^{-17}$	0	0.106	0.106	0
$b \bar{b} \rightarrow \gamma \gamma$	$1.797 \cdot 10^{-24}$	$1.797 \cdot 10^{-24}$	0	$5.97 \cdot 10^{-7}$	$5.97 \cdot 10^{-7}$	0
$zz \rightarrow W^+ W^-$	$1.304 \cdot 10^{-15}$	$1.304 \cdot 10^{-15}$	0	1.434	1.434	0
$zz \rightarrow zz$	$3.045 \cdot 10^{-17}$	$3.045 \cdot 10^{-17}$	0	0.9526	0.9526	0

2.15 cHbq

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z\bar{b}b$	$-2.521 \cdot 10^{-7}$	$-2.521 \cdot 10^{-7}$	0	$2.278 \cdot 10^{-6}$	$2.278 \cdot 10^{-6}$	0
$H z \rightarrow b\bar{b}$	-0.01864	-0.01864	0	0.4877	0.4877	0
$W^+W^- \rightarrow Hb\bar{b}$	$-3.001 \cdot 10^{-8}$	$-3.001 \cdot 10^{-8}$	0	$4.907 \cdot 10^{-7}$	$4.907 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-8.574 \cdot 10^{-5}$	$-8.574 \cdot 10^{-5}$	0	$3.988 \cdot 10^{-6}$	$3.988 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$-1.202 \cdot 10^{-5}$	$-1.202 \cdot 10^{-5}$	0	$2.455 \cdot 10^{-6}$	$2.455 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	$1.871 \cdot 10^{-5}$	$1.871 \cdot 10^{-5}$	0	0.0002213	0.0002213	0
$b\bar{b} \rightarrow d\bar{d}$	$-2.569 \cdot 10^{-5}$	$-2.569 \cdot 10^{-5}$	0	$5.745 \cdot 10^{-6}$	$5.745 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.0001138	-0.0001138	0	$5.066 \cdot 10^{-6}$	$5.066 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow u\bar{u}$	$3.692 \cdot 10^{-5}$	$3.692 \cdot 10^{-5}$	0	$2.023 \cdot 10^{-5}$	$2.023 \cdot 10^{-5}$	0

2.16 cHd

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z d\bar{d}$	$-2.127 \cdot 10^{-7}$	$-2.127 \cdot 10^{-7}$	0	$1.042 \cdot 10^{-6}$	$1.042 \cdot 10^{-6}$	0
$H z \rightarrow s\bar{s}$	-0.04261	-0.04261	0	1.045	1.045	0
$W^+W^- \rightarrow H d\bar{d}$	$-1.555 \cdot 10^{-7}$	$-1.555 \cdot 10^{-7}$	0	$8.943 \cdot 10^{-7}$	$8.943 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow d\bar{d}$	$-7.933 \cdot 10^{-5}$	$-7.933 \cdot 10^{-5}$	0	$4.063 \cdot 10^{-5}$	$4.063 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow c\bar{c}$	$1.864 \cdot 10^{-5}$	$1.864 \cdot 10^{-5}$	0	$1.586 \cdot 10^{-5}$	$1.586 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow e^+e^-$	$8.589 \cdot 10^{-7}$	$8.589 \cdot 10^{-7}$	0	$3.181 \cdot 10^{-6}$	$3.181 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow s\bar{s}$	$-6.222 \cdot 10^{-5}$	$-6.222 \cdot 10^{-5}$	0	$2.379 \cdot 10^{-5}$	$2.379 \cdot 10^{-5}$	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	$-1.348 \cdot 10^{-5}$	$-1.348 \cdot 10^{-5}$	0	$2.751 \cdot 10^{-6}$	$2.751 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.01297	0.01297	0	0.00188	0.00188	0
$t\bar{t} \rightarrow d\bar{d}$	$-4.394 \cdot 10^{-5}$	$-4.394 \cdot 10^{-5}$	0	$6.283 \cdot 10^{-6}$	$6.283 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	$-5.851 \cdot 10^{-5}$	$-5.851 \cdot 10^{-5}$	0	$5.468 \cdot 10^{-6}$	$5.468 \cdot 10^{-6}$	0

$u\bar{d} \rightarrow u\bar{d}$	0.000127	0.000127	0	$5.927 \cdot 10^{-5}$	$5.927 \cdot 10^{-5}$	0
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2.17 cHe11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow ze^+e^-$	$-7.458 \cdot 10^{-7}$	$-7.458 \cdot 10^{-7}$	0	$3.692 \cdot 10^{-6}$	$3.692 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow e^+e^-$	$-3.807 \cdot 10^{-5}$	$-3.807 \cdot 10^{-5}$	0	$5.527 \cdot 10^{-6}$	$5.527 \cdot 10^{-6}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.006956	-0.006956	0	0.000473	0.000473	0
$e^+\nu_e \rightarrow e^+\nu_e$	-0.001255	-0.001255	0	$8.536 \cdot 10^{-5}$	$8.536 \cdot 10^{-5}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.01905	-0.01905	0	0.003737	0.003737	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.0005235	0.0005235	0	$2.006 \cdot 10^{-5}$	$2.006 \cdot 10^{-5}$	0
$e^+e^- \rightarrow e^+e^-$	0.002594	0.002594	0	$9.753 \cdot 10^{-5}$	$9.753 \cdot 10^{-5}$	0

2.18 cHe22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H\bar{z} \rightarrow \mu^+\mu^-$	-0.04239	-0.04239	0	0.3467	0.3467	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.0008	-0.0008	0	$1.233 \cdot 10^{-5}$	$1.233 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-2.701 \cdot 10^{-5}$	$-2.701 \cdot 10^{-5}$	0	$2.526 \cdot 10^{-6}$	$2.526 \cdot 10^{-6}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	$7.558 \cdot 10^{-5}$	$7.558 \cdot 10^{-5}$	0	$1.113 \cdot 10^{-5}$	$1.113 \cdot 10^{-5}$	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.000664	-0.000664	0	$1.073 \cdot 10^{-5}$	$1.073 \cdot 10^{-5}$	0

2.19 cHe33

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

$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.0004132	0.0004132	0	$1.66 \cdot 10^{-5}$	$1.66 \cdot 10^{-5}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	0.001111	0.001111	0	$5.758 \cdot 10^{-5}$	$5.758 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	$6.375 \cdot 10^{-5}$	$6.375 \cdot 10^{-5}$	0	$8.57 \cdot 10^{-6}$	$8.57 \cdot 10^{-6}$	0

2.20 cHj1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow zc\bar{c}$	$-5.184 \cdot 10^{-7}$	$-5.184 \cdot 10^{-7}$	0	$1.094 \cdot 10^{-7}$	$1.094 \cdot 10^{-7}$	0
$HH \rightarrow zd\bar{d}$	$4.141 \cdot 10^{-6}$	$4.141 \cdot 10^{-6}$	0	$5.615 \cdot 10^{-6}$	$5.615 \cdot 10^{-6}$	0
$H z \rightarrow s\bar{s}$	0.1745	0.1745	0	0.7473	0.7473	0
$H z \rightarrow u\bar{u}$	-0.034	-0.034	0	0.1763	0.1763	0
$W^+W^- \rightarrow Hc\bar{c}$	$-7.341 \cdot 10^{-7}$	$-7.341 \cdot 10^{-7}$	0	$6.91 \cdot 10^{-7}$	$6.91 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$4.919 \cdot 10^{-6}$	$4.919 \cdot 10^{-6}$	0	$2.799 \cdot 10^{-7}$	$2.799 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow d\bar{d}$	0.000139	0.000139	0	$4.983 \cdot 10^{-6}$	$4.983 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow u\bar{u}$	-0.0007484	-0.0007484	0	$2.589 \cdot 10^{-5}$	$2.589 \cdot 10^{-5}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	$4.678 \cdot 10^{-5}$	$4.678 \cdot 10^{-5}$	0	$4.4 \cdot 10^{-6}$	$4.4 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow c\bar{c}$	$2.626 \cdot 10^{-5}$	$2.626 \cdot 10^{-5}$	0	$4.225 \cdot 10^{-6}$	$4.225 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow e^+e^-$	0.0002672	0.0002672	0	$6.417 \cdot 10^{-6}$	$6.417 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow s\bar{s}$	$4.823 \cdot 10^{-5}$	$4.823 \cdot 10^{-5}$	0	$3.854 \cdot 10^{-6}$	$3.854 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0.0001919	0.0001919	0	$6.831 \cdot 10^{-6}$	$6.831 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	$1.362 \cdot 10^{-5}$	$1.362 \cdot 10^{-5}$	0	$6.547 \cdot 10^{-6}$	$6.547 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.0004472	-0.0004472	0	$1.283 \cdot 10^{-5}$	$1.283 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	0.0001184	0.0001184	0	$5.405 \cdot 10^{-6}$	$5.405 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	0.0006384	0.0006384	0	$1.819 \cdot 10^{-5}$	$1.819 \cdot 10^{-5}$	0
$u\bar{d} \rightarrow u\bar{d}$	$-2.114 \cdot 10^{-5}$	$-2.114 \cdot 10^{-5}$	0	$3.185 \cdot 10^{-5}$	$3.185 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	-0.0003543	-0.0003543	0	$1.528 \cdot 10^{-5}$	$1.528 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow c\bar{c}$	$-8.151 \cdot 10^{-5}$	$-8.151 \cdot 10^{-5}$	0	$1.545 \cdot 10^{-5}$	$1.545 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow u\bar{u}$	0.0005801	0.0005801	0	0.02441	0.02441	0

2.21 cHj3

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^- u \bar{d}$	$1.723 \cdot 10^{-5}$	$1.723 \cdot 10^{-5}$	0	$6.463 \cdot 10^{-5}$	$6.463 \cdot 10^{-5}$	0
$HH \rightarrow z c \bar{c}$	$6.139 \cdot 10^{-7}$	$6.139 \cdot 10^{-7}$	0	$1.609 \cdot 10^{-6}$	$1.609 \cdot 10^{-6}$	0
$HH \rightarrow z d \bar{d}$	$1.82 \cdot 10^{-5}$	$1.82 \cdot 10^{-5}$	0	$6.042 \cdot 10^{-5}$	$6.042 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma u \bar{d}$	$1.147 \cdot 10^{-6}$	$1.147 \cdot 10^{-6}$	0	$5.349 \cdot 10^{-6}$	$5.349 \cdot 10^{-6}$	0
$HW^+ \rightarrow u \bar{d}$	0.1356	0.1356	0	0.6359	0.6359	0
$H z \rightarrow s \bar{s}$	0.1321	0.1321	0	0.5654	0.5654	0
$H z \rightarrow u \bar{u}$	0.1821	0.1821	0	0.9445	0.9445	0
$W^+ W^- \rightarrow H c \bar{c}$	$-5.551 \cdot 10^{-5}$	$-5.551 \cdot 10^{-5}$	0	$5.722 \cdot 10^{-5}$	$5.722 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$8.424 \cdot 10^{-7}$	$8.424 \cdot 10^{-7}$	0	$8.571 \cdot 10^{-7}$	$8.571 \cdot 10^{-7}$	0
$\bar{b} t \rightarrow \bar{d} u$	0.000155	0.000155	0	$4.698 \cdot 10^{-6}$	$4.698 \cdot 10^{-6}$	0
$b \bar{b} \rightarrow d \bar{d}$	0.0003525	0.0003525	0	$1.163 \cdot 10^{-5}$	$1.163 \cdot 10^{-5}$	0
$b \bar{b} \rightarrow u \bar{u}$	0.000124	0.000124	0	$5.305 \cdot 10^{-6}$	$5.305 \cdot 10^{-6}$	0
$c \bar{c} \rightarrow \mu^+ \mu^-$	$-4.783 \cdot 10^{-5}$	$-4.783 \cdot 10^{-5}$	0	$4.48 \cdot 10^{-6}$	$4.48 \cdot 10^{-6}$	0
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	0.0007443	0.0007443	0	$2.256 \cdot 10^{-5}$	$2.256 \cdot 10^{-5}$	0
$d \bar{d} \rightarrow c \bar{c}$	0.0001601	0.0001601	0	$1.278 \cdot 10^{-5}$	$1.278 \cdot 10^{-5}$	0
$d \bar{d} \rightarrow e^+ e^-$	$7.591 \cdot 10^{-5}$	$7.591 \cdot 10^{-5}$	0	$2.863 \cdot 10^{-6}$	$2.863 \cdot 10^{-6}$	0
$d \bar{d} \rightarrow s \bar{s}$	$5.832 \cdot 10^{-5}$	$5.832 \cdot 10^{-5}$	0	$4.471 \cdot 10^{-6}$	$4.471 \cdot 10^{-6}$	0
$s \bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	0.0005309	0.0005309	0	$1.89 \cdot 10^{-5}$	$1.89 \cdot 10^{-5}$	0
$s \bar{s} \rightarrow s \bar{s}$	-0.08061	-0.08061	0	0.003362	0.003362	0
$t \bar{t} \rightarrow c \bar{c}$	$5.69 \cdot 10^{-5}$	$5.69 \cdot 10^{-5}$	0	$5.413 \cdot 10^{-6}$	$5.413 \cdot 10^{-6}$	0
$t \bar{t} \rightarrow d \bar{d}$	0.0002492	0.0002492	0	$8.206 \cdot 10^{-6}$	$8.206 \cdot 10^{-6}$	0
$t \bar{t} \rightarrow s \bar{s}$	0.001157	0.001157	0	$3.254 \cdot 10^{-5}$	$3.254 \cdot 10^{-5}$	0
$u \bar{d} \rightarrow \mu^+ \nu_\mu$	$2.861 \cdot 10^{-5}$	$2.861 \cdot 10^{-5}$	0	$8.673 \cdot 10^{-7}$	$8.673 \cdot 10^{-7}$	0
$u \bar{d} \rightarrow c \bar{s}$	0.007146	0.007146	0	0.0004332	0.0004332	0
$u \bar{d} \rightarrow u \bar{d}$	-0.02061	-0.02061	0	0.0213	0.0213	0

$u\bar{u} \rightarrow \nu_e \bar{\nu}_e$	$1.662 \cdot 10^{-6}$	$1.662 \cdot 10^{-6}$	0	$7.168 \cdot 10^{-8}$	$7.168 \cdot 10^{-8}$	0
$u\bar{u} \rightarrow c\bar{c}$	0.0004623	0.0004623	0	$3.076 \cdot 10^{-5}$	$3.076 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow u\bar{u}$	-0.0004521	-0.0004521	0	$2.586 \cdot 10^{-5}$	$2.586 \cdot 10^{-5}$	0

2.22 cHl111

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow z\nu_e \bar{\nu}_e$	$-6.785 \cdot 10^{-7}$	$-6.785 \cdot 10^{-7}$	0	$7.55 \cdot 10^{-7}$	$7.55 \cdot 10^{-7}$	0
$HH \rightarrow ze^+e^-$	$5.255 \cdot 10^{-7}$	$5.255 \cdot 10^{-7}$	0	$1.319 \cdot 10^{-6}$	$1.319 \cdot 10^{-6}$	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.0001112	-0.0001112	0	$3.37 \cdot 10^{-6}$	$3.37 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	$-5.283 \cdot 10^{-5}$	$-5.283 \cdot 10^{-5}$	0	$1.601 \cdot 10^{-6}$	$1.601 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow e^+e^-$	0.0003745	0.0003745	0	$1.38 \cdot 10^{-5}$	$1.38 \cdot 10^{-5}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0.009821	0.009821	0	0.0005371	0.0005371	0
$e^+\nu_e \rightarrow e^+\nu_e$	-0.0005536	-0.0005536	0	$1.884 \cdot 10^{-5}$	$1.884 \cdot 10^{-5}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	0.001008	0.001008	0	0.0002088	0.0002088	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.0001986	-0.0001986	0	$9.394 \cdot 10^{-6}$	$9.394 \cdot 10^{-6}$	0
$e^+e^- \rightarrow e^+e^-$	-0.003388	-0.003388	0	0.0001507	0.0001507	0
$u\bar{u} \rightarrow \nu_e \bar{\nu}_e$	-0.0002265	-0.0002265	0	$6.866 \cdot 10^{-6}$	$6.866 \cdot 10^{-6}$	0

2.23 cHl122

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H\bar{z} \rightarrow \mu^+\mu^-$	0.04421	0.04421	0	0.2908	0.2908	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.0003452	-0.0003452	0	$1.133 \cdot 10^{-5}$	$1.133 \cdot 10^{-5}$	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.001227	-0.001227	0	$3.72 \cdot 10^{-5}$	$3.72 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	0.0001851	0.0001851	0	$6.963 \cdot 10^{-6}$	$6.963 \cdot 10^{-6}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	$-5.487 \cdot 10^{-6}$	$-5.487 \cdot 10^{-6}$	0	$1.918 \cdot 10^{-6}$	$1.918 \cdot 10^{-6}$	0

$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.002071	-0.002071	0	$6.276 \cdot 10^{-5}$	$6.276 \cdot 10^{-5}$	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.0004486	-0.0004486	0	$1.378 \cdot 10^{-5}$	$1.378 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$-5.288 \cdot 10^{-5}$	$-5.288 \cdot 10^{-5}$	0	$1.603 \cdot 10^{-6}$	$1.603 \cdot 10^{-6}$	0

2.24 cHI133

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.08573	-0.08573	0	0.3125	0.3125	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.000157	-0.000157	0	$9.069 \cdot 10^{-6}$	$9.069 \cdot 10^{-6}$	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.02255	-0.02255	0	0.001367	0.001367	0
$e^+\tau^- \rightarrow e^+\tau^-$	0.01232	0.01232	0	0.0008574	0.0008574	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.0001758	-0.0001758	0	$5.33 \cdot 10^{-6}$	$5.33 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0002751	0.0002751	0	$6.892 \cdot 10^{-6}$	$6.892 \cdot 10^{-6}$	0

2.25 cHI311

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow HH$	-0.02519	-0.02519	0	0.0007635	0.0007635	0
$HH \rightarrow HHH$	$-1.796 \cdot 10^{-7}$	$-1.796 \cdot 10^{-7}$	0	$8.164 \cdot 10^{-9}$	$8.164 \cdot 10^{-9}$	0
$HH \rightarrow H\tau^+\tau^-$	$-5.522 \cdot 10^{-12}$	$-5.522 \cdot 10^{-12}$	0	$2.511 \cdot 10^{-13}$	$2.511 \cdot 10^{-13}$	0
$HH \rightarrow Hb\bar{b}$	$-4.783 \cdot 10^{-11}$	$-4.783 \cdot 10^{-11}$	0	$2.175 \cdot 10^{-12}$	$2.175 \cdot 10^{-12}$	0
$HH \rightarrow Hs\bar{s}$	$-2.096 \cdot 10^{-13}$	$-2.096 \cdot 10^{-13}$	0	$9.53 \cdot 10^{-15}$	$9.53 \cdot 10^{-15}$	0
$HH \rightarrow Ht\bar{t}$	$-1.196 \cdot 10^{-5}$	$-1.196 \cdot 10^{-5}$	0	$5.437 \cdot 10^{-7}$	$5.437 \cdot 10^{-7}$	0
$HH \rightarrow Hu\bar{u}$	$-1.693 \cdot 10^{-17}$	$-1.693 \cdot 10^{-17}$	0	$7.698 \cdot 10^{-19}$	$7.698 \cdot 10^{-19}$	0
$HH \rightarrow Hzz$	$-1.274 \cdot 10^{-6}$	$-1.274 \cdot 10^{-6}$	0	$5.792 \cdot 10^{-8}$	$5.792 \cdot 10^{-8}$	0
$HH \rightarrow W^+W^-$	-0.1977	-0.1977	0	0.005992	0.005992	0
$HH \rightarrow W^+W^-\gamma$	$-3.58 \cdot 10^{-7}$	$-3.58 \cdot 10^{-7}$	0	$1.628 \cdot 10^{-8}$	$1.628 \cdot 10^{-8}$	0

$HH \rightarrow W^+ \bar{t}b$	$-9.435 \cdot 10^{-6}$	$-9.435 \cdot 10^{-6}$	0	$4.29 \cdot 10^{-7}$	$4.29 \cdot 10^{-7}$	0
$HH \rightarrow W^+ e^- \bar{\nu}_e$	$6.692 \cdot 10^{-7}$	$6.692 \cdot 10^{-7}$	0	$7.456 \cdot 10^{-7}$	$7.456 \cdot 10^{-7}$	0
$HH \rightarrow W^- u \bar{d}$	$-1.132 \cdot 10^{-7}$	$-1.132 \cdot 10^{-7}$	0	$5.148 \cdot 10^{-9}$	$5.148 \cdot 10^{-9}$	0
$HH \rightarrow z \bar{b}b$	$-2.126 \cdot 10^{-8}$	$-2.126 \cdot 10^{-8}$	0	$9.668 \cdot 10^{-10}$	$9.668 \cdot 10^{-10}$	0
$HH \rightarrow z \nu_e \bar{\nu}_e$	$1.452 \cdot 10^{-6}$	$1.452 \cdot 10^{-6}$	0	$1.639 \cdot 10^{-6}$	$1.639 \cdot 10^{-6}$	0
$HH \rightarrow z c \bar{c}$	$-3.936 \cdot 10^{-7}$	$-3.936 \cdot 10^{-7}$	0	$1.79 \cdot 10^{-8}$	$1.79 \cdot 10^{-8}$	0
$HH \rightarrow z d \bar{d}$	$-1.027 \cdot 10^{-6}$	$-1.027 \cdot 10^{-6}$	0	$4.669 \cdot 10^{-8}$	$4.669 \cdot 10^{-8}$	0
$HH \rightarrow z e^+ e^-$	$3.953 \cdot 10^{-7}$	$3.953 \cdot 10^{-7}$	0	$7.886 \cdot 10^{-7}$	$7.886 \cdot 10^{-7}$	0
$HH \rightarrow z t \bar{t}$	$-6.044 \cdot 10^{-6}$	$-6.044 \cdot 10^{-6}$	0	$2.748 \cdot 10^{-7}$	$2.748 \cdot 10^{-7}$	0
$HH \rightarrow z z$	-0.1409	-0.1409	0	0.004272	0.004272	0
$HW^+ \rightarrow \gamma t \bar{b}$	$-2.446 \cdot 10^{-6}$	$-2.446 \cdot 10^{-6}$	0	$1.112 \cdot 10^{-7}$	$1.112 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u \bar{d}$	$-1.34 \cdot 10^{-7}$	$-1.34 \cdot 10^{-7}$	0	$6.091 \cdot 10^{-9}$	$6.091 \cdot 10^{-9}$	0
$HW^+ \rightarrow u \bar{d}$	-0.002825	-0.002825	0	$8.563 \cdot 10^{-5}$	$8.563 \cdot 10^{-5}$	0
$HW^- \rightarrow \bar{t}b$	-0.02413	-0.02413	0	0.0007316	0.0007316	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$2.663 \cdot 10^{-9}$	$2.663 \cdot 10^{-9}$	0	$1.207 \cdot 10^{-8}$	$1.207 \cdot 10^{-8}$	0
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	-0.0007822	-0.0007822	0	$2.371 \cdot 10^{-5}$	$2.371 \cdot 10^{-5}$	0
$H\gamma \rightarrow b \bar{b}$	$-8.868 \cdot 10^{-6}$	$-8.868 \cdot 10^{-6}$	0	$2.688 \cdot 10^{-7}$	$2.688 \cdot 10^{-7}$	0
$H\gamma \rightarrow c \bar{c}$	$-3.364 \cdot 10^{-6}$	$-3.364 \cdot 10^{-6}$	0	$1.02 \cdot 10^{-7}$	$1.02 \cdot 10^{-7}$	0
$H\gamma \rightarrow d \bar{d}$	$-6.067 \cdot 10^{-10}$	$-6.067 \cdot 10^{-10}$	0	$1.839 \cdot 10^{-11}$	$1.839 \cdot 10^{-11}$	0
$H\gamma \rightarrow e^+ e^-$	$-1.023 \cdot 10^{-12}$	$-1.023 \cdot 10^{-12}$	0	$3.1 \cdot 10^{-14}$	$3.1 \cdot 10^{-14}$	0
$H\gamma \rightarrow t \bar{t}$	-0.05015	-0.05015	0	0.00152	0.00152	0
$H z \rightarrow \mu^+ \mu^-$	-0.0003526	-0.0003526	0	$1.069 \cdot 10^{-5}$	$1.069 \cdot 10^{-5}$	0
$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	-0.0005905	-0.0005905	0	$1.79 \cdot 10^{-5}$	$1.79 \cdot 10^{-5}$	0
$H z \rightarrow b \bar{b}$	-0.0008365	-0.0008365	0	$2.536 \cdot 10^{-5}$	$2.536 \cdot 10^{-5}$	0
$H z \rightarrow s \bar{s}$	-0.001715	-0.001715	0	$5.198 \cdot 10^{-5}$	$5.198 \cdot 10^{-5}$	0
$H z \rightarrow t \bar{t}$	-0.5189	-0.5189	0	0.01573	0.01573	0
$H z \rightarrow u \bar{u}$	-0.0007462	-0.0007462	0	$2.262 \cdot 10^{-5}$	$2.262 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow H b \bar{b}$	$-5.391 \cdot 10^{-6}$	$-5.391 \cdot 10^{-6}$	0	$2.451 \cdot 10^{-7}$	$2.451 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$-4.628 \cdot 10^{-7}$	$-4.628 \cdot 10^{-7}$	0	$2.104 \cdot 10^{-8}$	$2.104 \cdot 10^{-8}$	0

$W^+W^- \rightarrow Hdd\bar{d}$	$-3.494 \cdot 10^{-7}$	$-3.494 \cdot 10^{-7}$	0	$1.589 \cdot 10^{-8}$	$1.589 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-1.802 \cdot 10^{-5}$	$-1.802 \cdot 10^{-5}$	0	$8.192 \cdot 10^{-7}$	$8.192 \cdot 10^{-7}$	0
$W^+W^- \rightarrow W^+W^-$	-1.139	-1.139	0	0.03454	0.03454	0
$W^+W^- \rightarrow \gamma\gamma$	-0.04842	-0.04842	0	0.001468	0.001468	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-3.929 \cdot 10^{-6}$	$-3.929 \cdot 10^{-6}$	0	$1.787 \cdot 10^{-7}$	$1.787 \cdot 10^{-7}$	0
$\bar{b}t \rightarrow \bar{d}u$	-0.001622	-0.001622	0	$4.917 \cdot 10^{-5}$	$4.917 \cdot 10^{-5}$	0
$\gamma W^+ \rightarrow zW^+$	-0.04476	-0.04476	0	0.001357	0.001357	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.001651	-0.001651	0	$5.005 \cdot 10^{-5}$	$5.005 \cdot 10^{-5}$	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	$-6.407 \cdot 10^{-7}$	$-6.407 \cdot 10^{-7}$	0	$1.942 \cdot 10^{-8}$	$1.942 \cdot 10^{-8}$	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	$8.245 \cdot 10^{-22}$	$8.245 \cdot 10^{-22}$	0	$2.939 \cdot 10^{-39}$	$2.939 \cdot 10^{-39}$	0
$b\bar{b} \rightarrow \gamma\gamma$	$-3.967 \cdot 10^{-5}$	$-3.967 \cdot 10^{-5}$	0	$1.203 \cdot 10^{-6}$	$1.203 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	-0.0003162	-0.0003162	0	$9.585 \cdot 10^{-6}$	$9.585 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$7.843 \cdot 10^{-22}$	$7.937 \cdot 10^{-22}$	-0.01187	$4.191 \cdot 10^{-39}$	$4.287 \cdot 10^{-39}$	-0.02312
$b\bar{b} \rightarrow b\bar{b}$	0.0001023	0.0001023	0	$8.111 \cdot 10^{-7}$	$8.111 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow d\bar{d}$	-0.001133	-0.001133	0	$3.433 \cdot 10^{-5}$	$3.433 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.00198	-0.00198	0	0.001057	0.001057	0
$b\bar{b} \rightarrow u\bar{u}$	$-8.011 \cdot 10^{-5}$	$-8.011 \cdot 10^{-5}$	0	$2.428 \cdot 10^{-6}$	$2.428 \cdot 10^{-6}$	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	$1.967 \cdot 10^{-20}$	$1.967 \cdot 10^{-20}$	0	$4.575 \cdot 10^{-36}$	$4.575 \cdot 10^{-36}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0004374	-0.0004374	0	$1.326 \cdot 10^{-5}$	$1.326 \cdot 10^{-5}$	0
$c\bar{s} \rightarrow \tau^+\nu_\tau$	-0.0005913	-0.0005913	0	$1.792 \cdot 10^{-5}$	$1.792 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow c\bar{c}$	-0.001025	-0.001025	0	$3.106 \cdot 10^{-5}$	$3.106 \cdot 10^{-5}$	0
$d\bar{d} \rightarrow e^+e^-$	$-5.469 \cdot 10^{-6}$	$-5.469 \cdot 10^{-6}$	0	$1.305 \cdot 10^{-6}$	$1.305 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow s\bar{s}$	-0.001199	-0.001199	0	$3.634 \cdot 10^{-5}$	$3.634 \cdot 10^{-5}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.002127	-0.002127	0	0.0005548	0.0005548	0
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	$3.705 \cdot 10^{-19}$	$3.705 \cdot 10^{-19}$	0	$1.505 \cdot 10^{-36}$	$1.505 \cdot 10^{-36}$	0
$e^+\nu_e \rightarrow e^+\nu_e$	$6.335 \cdot 10^{-9}$	$6.335 \cdot 10^{-9}$	0	$2.322 \cdot 10^{-10}$	$2.322 \cdot 10^{-10}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.001488	-0.001488	0	$7.459 \cdot 10^{-5}$	$7.459 \cdot 10^{-5}$	0
$e^+e^- \rightarrow \mu^+\mu^-$	-0.001405	-0.001405	0	$3.813 \cdot 10^{-5}$	$3.813 \cdot 10^{-5}$	0
$e^+e^- \rightarrow e^+e^-$	-0.00437	-0.00437	0	0.0002631	0.0002631	0

$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	-0.000289	-0.000289	0	$8.76 \cdot 10^{-6}$	$8.76 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.001287	0.001287	0	$5.443 \cdot 10^{-6}$	$5.443 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	$-5.182 \cdot 10^{-5}$	$-5.182 \cdot 10^{-5}$	0	$1.571 \cdot 10^{-6}$	$1.571 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-9.826 \cdot 10^{-5}$	$-9.826 \cdot 10^{-5}$	0	$2.979 \cdot 10^{-6}$	$2.979 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.0003092	-0.0003092	0	$9.372 \cdot 10^{-6}$	$9.372 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow d\bar{d}$	-0.0009769	-0.0009769	0	$2.961 \cdot 10^{-5}$	$2.961 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	-0.0009707	-0.0009707	0	$2.942 \cdot 10^{-5}$	$2.942 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.048	0.048	0	0.00354	0.00354	0
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	-0.000267	-0.000267	0	$8.093 \cdot 10^{-6}$	$8.093 \cdot 10^{-6}$	0
$u\bar{d} \rightarrow c\bar{s}$	-0.001461	-0.001461	0	$4.428 \cdot 10^{-5}$	$4.428 \cdot 10^{-5}$	0
$u\bar{d} \rightarrow u\bar{d}$	0.0009916	0.0009916	0	$2.725 \cdot 10^{-5}$	$2.725 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow \nu_e \bar{\nu}_e$	$2.554 \cdot 10^{-20}$	$2.554 \cdot 10^{-20}$	0	$1.743 \cdot 10^{-37}$	$1.743 \cdot 10^{-37}$	0
$u\bar{u} \rightarrow c\bar{c}$	-0.000212	-0.000212	0	$6.425 \cdot 10^{-6}$	$6.425 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow u\bar{u}$	0.007977	0.007977	0	$3.741 \cdot 10^{-5}$	$3.741 \cdot 10^{-5}$	0
$zz \rightarrow W^+ W^-$	-3.921	-3.921	0	0.1188	0.1188	0
$zz \rightarrow zz$	-0.009826	-0.009826	0	0.0002979	0.0002979	0

2.26 cHI322

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow HH$	-0.01114	-0.01114	0	0.0003378	0.0003378	0
$HH \rightarrow HHH$	$-7.446 \cdot 10^{-8}$	$-7.446 \cdot 10^{-8}$	0	$3.385 \cdot 10^{-9}$	$3.385 \cdot 10^{-9}$	0
$HH \rightarrow H\tau^+ \tau^-$	$-9.779 \cdot 10^{-12}$	$-9.779 \cdot 10^{-12}$	0	$4.446 \cdot 10^{-13}$	$4.446 \cdot 10^{-13}$	0
$HH \rightarrow Hb\bar{b}$	$-3.271 \cdot 10^{-11}$	$-3.271 \cdot 10^{-11}$	0	$1.487 \cdot 10^{-12}$	$1.487 \cdot 10^{-12}$	0
$HH \rightarrow Hs\bar{s}$	$-2.042 \cdot 10^{-13}$	$-2.042 \cdot 10^{-13}$	0	$9.283 \cdot 10^{-15}$	$9.283 \cdot 10^{-15}$	0
$HH \rightarrow Ht\bar{t}$	$-1.896 \cdot 10^{-7}$	$-1.896 \cdot 10^{-7}$	0	$8.622 \cdot 10^{-9}$	$8.622 \cdot 10^{-9}$	0
$HH \rightarrow Hu\bar{u}$	$-3.197 \cdot 10^{-17}$	$-3.197 \cdot 10^{-17}$	0	$1.454 \cdot 10^{-18}$	$1.454 \cdot 10^{-18}$	0
$HH \rightarrow Hzz$	$-9.751 \cdot 10^{-7}$	$-9.751 \cdot 10^{-7}$	0	$4.434 \cdot 10^{-8}$	$4.434 \cdot 10^{-8}$	0

$HH \rightarrow W^+W^-$	-0.01363	-0.01363	0	0.0004133	0.0004133	0
$HH \rightarrow W^+W^-\gamma$	$-1.808 \cdot 10^{-5}$	$-1.808 \cdot 10^{-5}$	0	$8.218 \cdot 10^{-7}$	$8.218 \cdot 10^{-7}$	0
$HH \rightarrow W^+\bar{t}b$	-0.0003469	-0.0003469	0	$1.577 \cdot 10^{-5}$	$1.577 \cdot 10^{-5}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$-4.461 \cdot 10^{-8}$	$-4.461 \cdot 10^{-8}$	0	$2.028 \cdot 10^{-9}$	$2.028 \cdot 10^{-9}$	0
$HH \rightarrow W^-u\bar{d}$	$-1.934 \cdot 10^{-8}$	$-1.934 \cdot 10^{-8}$	0	$8.793 \cdot 10^{-10}$	$8.793 \cdot 10^{-10}$	0
$HH \rightarrow z\bar{b}b$	$-6.812 \cdot 10^{-7}$	$-6.812 \cdot 10^{-7}$	0	$3.097 \cdot 10^{-8}$	$3.097 \cdot 10^{-8}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$-1.773 \cdot 10^{-7}$	$-1.773 \cdot 10^{-7}$	0	$8.062 \cdot 10^{-9}$	$8.062 \cdot 10^{-9}$	0
$HH \rightarrow z c\bar{c}$	$-4.637 \cdot 10^{-8}$	$-4.637 \cdot 10^{-8}$	0	$2.108 \cdot 10^{-9}$	$2.108 \cdot 10^{-9}$	0
$HH \rightarrow z d\bar{d}$	$-4.981 \cdot 10^{-7}$	$-4.981 \cdot 10^{-7}$	0	$2.265 \cdot 10^{-8}$	$2.265 \cdot 10^{-8}$	0
$HH \rightarrow ze^+e^-$	$-8.279 \cdot 10^{-8}$	$-8.279 \cdot 10^{-8}$	0	$3.764 \cdot 10^{-9}$	$3.764 \cdot 10^{-9}$	0
$HH \rightarrow z t\bar{t}$	$-2.68 \cdot 10^{-6}$	$-2.68 \cdot 10^{-6}$	0	$1.218 \cdot 10^{-7}$	$1.218 \cdot 10^{-7}$	0
$HH \rightarrow zz$	-0.07872	-0.07872	0	0.002386	0.002386	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.008 \cdot 10^{-7}$	$-1.008 \cdot 10^{-7}$	0	$4.582 \cdot 10^{-9}$	$4.582 \cdot 10^{-9}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-4.97 \cdot 10^{-8}$	$-4.97 \cdot 10^{-8}$	0	$2.26 \cdot 10^{-9}$	$2.26 \cdot 10^{-9}$	0
$HW^+ \rightarrow u\bar{d}$	-0.002398	-0.002398	0	$7.27 \cdot 10^{-5}$	$7.27 \cdot 10^{-5}$	0
$HW^- \rightarrow \bar{t}b$	-0.2195	-0.2195	0	0.006654	0.006654	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$-5.228 \cdot 10^{-8}$	$-5.228 \cdot 10^{-8}$	0	$2.377 \cdot 10^{-9}$	$2.377 \cdot 10^{-9}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0.1351	0.1351	0	0.6295	0.6295	0
$H\gamma \rightarrow b\bar{b}$	$-9.368 \cdot 10^{-6}$	$-9.368 \cdot 10^{-6}$	0	$2.84 \cdot 10^{-7}$	$2.84 \cdot 10^{-7}$	0
$H\gamma \rightarrow c\bar{c}$	$-5.047 \cdot 10^{-6}$	$-5.047 \cdot 10^{-6}$	0	$1.53 \cdot 10^{-7}$	$1.53 \cdot 10^{-7}$	0
$H\gamma \rightarrow d\bar{d}$	$-1.63 \cdot 10^{-11}$	$-1.63 \cdot 10^{-11}$	0	$4.942 \cdot 10^{-13}$	$4.942 \cdot 10^{-13}$	0
$H\gamma \rightarrow e^+e^-$	$-1.032 \cdot 10^{-12}$	$-1.032 \cdot 10^{-12}$	0	$3.128 \cdot 10^{-14}$	$3.128 \cdot 10^{-14}$	0
$H\gamma \rightarrow t\bar{t}$	-0.1933	-0.1933	0	0.005861	0.005861	0
$H z \rightarrow \mu^+\mu^-$	0.04771	0.04771	0	0.3133	0.3133	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.0003523	-0.0003523	0	$1.068 \cdot 10^{-5}$	$1.068 \cdot 10^{-5}$	0
$H z \rightarrow b\bar{b}$	-0.001476	-0.001476	0	$4.475 \cdot 10^{-5}$	$4.475 \cdot 10^{-5}$	0
$H z \rightarrow s\bar{s}$	-0.0002854	-0.0002854	0	$8.652 \cdot 10^{-6}$	$8.652 \cdot 10^{-6}$	0
$H z \rightarrow t\bar{t}$	-0.3308	-0.3308	0	0.01003	0.01003	0
$H z \rightarrow u\bar{u}$	-0.001394	-0.001394	0	$4.226 \cdot 10^{-5}$	$4.226 \cdot 10^{-5}$	0

$W^+W^- \rightarrow Hb\bar{b}$	$-1.008 \cdot 10^{-6}$	$-1.008 \cdot 10^{-6}$	0	$4.585 \cdot 10^{-8}$	$4.585 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$-1.206 \cdot 10^{-7}$	$-1.206 \cdot 10^{-7}$	0	$5.482 \cdot 10^{-9}$	$5.482 \cdot 10^{-9}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-2.237 \cdot 10^{-7}$	$-2.237 \cdot 10^{-7}$	0	$1.017 \cdot 10^{-8}$	$1.017 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-2.368 \cdot 10^{-6}$	$-2.368 \cdot 10^{-6}$	0	$1.077 \cdot 10^{-7}$	$1.077 \cdot 10^{-7}$	0
$W^+W^- \rightarrow W^+W^-$	-5.053	-5.053	0	0.1532	0.1532	0
$W^+W^- \rightarrow \gamma\gamma$	-0.009239	-0.009239	0	0.0002801	0.0002801	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-9.117 \cdot 10^{-8}$	$-9.117 \cdot 10^{-8}$	0	$4.145 \cdot 10^{-9}$	$4.145 \cdot 10^{-9}$	0
$\bar{b}t \rightarrow \bar{d}u$	$-1.658 \cdot 10^{-5}$	$-1.658 \cdot 10^{-5}$	0	$5.025 \cdot 10^{-7}$	$5.025 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow zW^+$	-0.03006	-0.03006	0	0.0009111	0.0009111	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	-0.002553	-0.002553	0	$6.203 \cdot 10^{-5}$	$6.203 \cdot 10^{-5}$	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.0001266	-0.0001266	0	$3.836 \cdot 10^{-6}$	$3.836 \cdot 10^{-6}$	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	$-1.429 \cdot 10^{-19}$	$-1.429 \cdot 10^{-19}$	0	$2.941 \cdot 10^{-37}$	$2.941 \cdot 10^{-37}$	0
$b\bar{b} \rightarrow \gamma\gamma$	$-1.233 \cdot 10^{-5}$	$-1.233 \cdot 10^{-5}$	0	$3.738 \cdot 10^{-7}$	$3.738 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-2.695 \cdot 10^{-5}$	$-2.695 \cdot 10^{-5}$	0	$1.583 \cdot 10^{-6}$	$1.583 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	-0.0001303	-0.0001303	0	$3.95 \cdot 10^{-6}$	$3.95 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow b\bar{b}$	$8.466 \cdot 10^{-5}$	$8.466 \cdot 10^{-5}$	0	$7.512 \cdot 10^{-7}$	$7.512 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow d\bar{d}$	-0.0001979	-0.0001979	0	$5.998 \cdot 10^{-6}$	$5.998 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.1796	-0.1796	0	0.008597	0.008597	0
$b\bar{b} \rightarrow u\bar{u}$	-0.0006551	-0.0006551	0	$1.986 \cdot 10^{-5}$	$1.986 \cdot 10^{-5}$	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	-0.001164	-0.001164	0	$3.527 \cdot 10^{-5}$	$3.527 \cdot 10^{-5}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0001353	-0.0001353	0	$4.346 \cdot 10^{-6}$	$4.346 \cdot 10^{-6}$	0
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$-9.56 \cdot 10^{-5}$	$-9.56 \cdot 10^{-5}$	0	$2.898 \cdot 10^{-6}$	$2.898 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow c\bar{c}$	-0.0001442	-0.0001442	0	$4.37 \cdot 10^{-6}$	$4.37 \cdot 10^{-6}$	0
$d\bar{d} \rightarrow e^+e^-$	$-3.174 \cdot 10^{-5}$	$-3.174 \cdot 10^{-5}$	0	$9.621 \cdot 10^{-7}$	$9.621 \cdot 10^{-7}$	0
$d\bar{d} \rightarrow s\bar{s}$	-0.0007717	-0.0007717	0	$2.339 \cdot 10^{-5}$	$2.339 \cdot 10^{-5}$	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	$-6.193 \cdot 10^{-19}$	$-9.148 \cdot 10^{-19}$	-0.4772	$4.419 \cdot 10^{-35}$	$3.932 \cdot 10^{-35}$	0.1103
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	$2.21 \cdot 10^{-21}$	$2.21 \cdot 10^{-21}$	0	$5.877 \cdot 10^{-39}$	$5.877 \cdot 10^{-39}$	0
$e^+\nu_e \rightarrow e^+\nu_e$	-0.01914	-0.01914	0	0.0005802	0.0005802	0
$e^+\tau^- \rightarrow e^+\tau^-$	-0.1049	-0.1049	0	0.003179	0.003179	0

$e^+e^- \rightarrow \mu^+\mu^-$	-0.0009163	-0.0009163	0	$3.931 \cdot 10^{-5}$	$3.931 \cdot 10^{-5}$	0
$e^+e^- \rightarrow e^+e^-$	-0.02474	-0.02474	0	0.00075	0.00075	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	-0.0001576	-0.0001576	0	$4.778 \cdot 10^{-6}$	$4.778 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	0.000379	0.000379	0	$2.081 \cdot 10^{-6}$	$2.081 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$1.131 \cdot 10^{-20}$	$1.131 \cdot 10^{-20}$	0	$3.583 \cdot 10^{-36}$	$3.583 \cdot 10^{-36}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.0004077	-0.0004077	0	$1.236 \cdot 10^{-5}$	$1.236 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow c\bar{c}$	-0.000449	-0.000449	0	$1.361 \cdot 10^{-5}$	$1.361 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	-0.0004707	-0.0004707	0	$1.427 \cdot 10^{-5}$	$1.427 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	-0.0009204	-0.0009204	0	$2.79 \cdot 10^{-5}$	$2.79 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.08841	0.08841	0	0.003665	0.003665	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$4.923 \cdot 10^{-23}$	$4.923 \cdot 10^{-23}$	0	$1.224 \cdot 10^{-40}$	$1.224 \cdot 10^{-40}$	0
$u\bar{d} \rightarrow c\bar{s}$	$-7.447 \cdot 10^{-5}$	$-7.447 \cdot 10^{-5}$	0	$2.257 \cdot 10^{-6}$	$2.257 \cdot 10^{-6}$	0
$u\bar{d} \rightarrow u\bar{d}$	0.0242	0.0242	0	0.0009144	0.0009144	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	-0.0001126	-0.0001126	0	$3.414 \cdot 10^{-6}$	$3.414 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow c\bar{c}$	$-4.27 \cdot 10^{-5}$	$-4.27 \cdot 10^{-5}$	0	$1.294 \cdot 10^{-6}$	$1.294 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow u\bar{u}$	0.06368	0.06368	0	0.001097	0.001097	0
$zz \rightarrow W^+W^-$	-4.074	-4.074	0	0.1235	0.1235	0
$zz \rightarrow zz$	-0.009816	-0.009816	0	0.0002975	0.0002975	0

2.27 cHt

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow zt\bar{t}$	$-6.043 \cdot 10^{-5}$	$-6.043 \cdot 10^{-5}$	0	$4.103 \cdot 10^{-5}$	$4.103 \cdot 10^{-5}$	0
$H z \rightarrow t\bar{t}$	-2.22	-2.22	0	1.271	1.271	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.019 \cdot 10^{-5}$	$2.019 \cdot 10^{-5}$	0	$7.366 \cdot 10^{-7}$	$7.366 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.001949	-0.001949	0	$3.637 \cdot 10^{-5}$	$3.637 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$-1.051 \cdot 10^{-5}$	$-1.051 \cdot 10^{-5}$	0	$5.821 \cdot 10^{-7}$	$5.821 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0001943	0.0001943	0	$4.677 \cdot 10^{-6}$	$4.677 \cdot 10^{-6}$	0

$t\bar{t} \rightarrow c\bar{c}$	$-9.219 \cdot 10^{-5}$	$-9.219 \cdot 10^{-5}$	0	$1.881 \cdot 10^{-5}$	$1.881 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	0.0001507	0.0001507	0	$5 \cdot 10^{-5}$	$5 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	$1.204 \cdot 10^{-5}$	$1.204 \cdot 10^{-5}$	0	$2.64 \cdot 10^{-6}$	$2.64 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow t\bar{t}$	-0.09372	-0.09372	0	0.009373	0.009373	0

2.28 cHtbIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+ \bar{t}b$	$-2.364 \cdot 10^{-7}$	$-2.364 \cdot 10^{-7}$	0	$5.344 \cdot 10^{-6}$	$5.344 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.992 \cdot 10^{-8}$	$-1.992 \cdot 10^{-8}$	0	$5.558 \cdot 10^{-7}$	$5.558 \cdot 10^{-7}$	0
$HW^- \rightarrow \bar{t}b$	$-7.797 \cdot 10^{-6}$	$-7.797 \cdot 10^{-6}$	0	0.3036	0.3036	0
$W^+W^- \rightarrow Hb\bar{b}$	$-7.873 \cdot 10^{-9}$	$-7.873 \cdot 10^{-9}$	0	$3.703 \cdot 10^{-7}$	$3.703 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-4.241 \cdot 10^{-8}$	$-4.241 \cdot 10^{-8}$	0	$1.654 \cdot 10^{-9}$	$1.654 \cdot 10^{-9}$	0
$\bar{b}t \rightarrow \bar{d}u$	$-3.644 \cdot 10^{-21}$	$-3.644 \cdot 10^{-21}$	0	$3.806 \cdot 10^{-6}$	$3.806 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow t\bar{t}$	$1.208 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0.004017	0.00108	0.00108	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-1.141 \cdot 10^{-22}$	$-1.141 \cdot 10^{-22}$	0	$1.583 \cdot 10^{-7}$	$1.583 \cdot 10^{-7}$	0

2.29 cHtbRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+ \bar{t}b$	$-1.146 \cdot 10^{-6}$	$-1.146 \cdot 10^{-6}$	0	$1.514 \cdot 10^{-6}$	$1.514 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-4.977 \cdot 10^{-9}$	$-4.977 \cdot 10^{-9}$	0	$3.381 \cdot 10^{-8}$	$3.381 \cdot 10^{-8}$	0
$HW^- \rightarrow \bar{t}b$	-0.04844	-0.04844	0	0.3702	0.3702	0
$W^+W^- \rightarrow Hb\bar{b}$	$-3.095 \cdot 10^{-8}$	$-3.095 \cdot 10^{-8}$	0	$2.439 \cdot 10^{-7}$	$2.439 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-5.255 \cdot 10^{-7}$	$-5.255 \cdot 10^{-7}$	0	$2.009 \cdot 10^{-9}$	$2.009 \cdot 10^{-9}$	0
$\bar{b}t \rightarrow \bar{d}u$	$-2.016 \cdot 10^{-6}$	$-2.016 \cdot 10^{-6}$	0	$6.552 \cdot 10^{-7}$	$6.552 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	0.0005355	0.0005355	0	0.001098	0.001098	0

$$b\bar{t} \rightarrow e^- \bar{\nu}_e \quad -6.719 \cdot 10^{-7} \quad -6.719 \cdot 10^{-7} \quad 0 \quad 1.413 \cdot 10^{-7} \quad 1.413 \cdot 10^{-7} \quad 0$$

2.30 cHudIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^- u \bar{d}$	$-3.277 \cdot 10^{-25}$	$-3.277 \cdot 10^{-25}$	$-1.343 \cdot 10^{-6}$	$2.244 \cdot 10^{-24}$	$2.244 \cdot 10^{-24}$	$-2.674 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u \bar{d}$	$-7.866 \cdot 10^{-26}$	$-7.866 \cdot 10^{-26}$	$-1.335 \cdot 10^{-6}$	$1.927 \cdot 10^{-26}$	$1.927 \cdot 10^{-26}$	$-2.646 \cdot 10^{-6}$
$HW^+ \rightarrow u \bar{d}$	$3.762 \cdot 10^{-23}$	$3.762 \cdot 10^{-23}$	$-1.329 \cdot 10^{-6}$	$1.078 \cdot 10^{-20}$	$1.078 \cdot 10^{-20}$	$-2.691 \cdot 10^{-6}$
$W^+ W^- \rightarrow H c \bar{c}$	$5.296 \cdot 10^{-18}$	$5.296 \cdot 10^{-18}$	$4.721 \cdot 10^{-7}$	$6.235 \cdot 10^{-24}$	$6.235 \cdot 10^{-24}$	$9.462 \cdot 10^{-7}$
$W^+ W^- \rightarrow H d \bar{d}$	$1.782 \cdot 10^{-25}$	$1.782 \cdot 10^{-25}$	$-1.347 \cdot 10^{-6}$	$2.18 \cdot 10^{-35}$	$2.18 \cdot 10^{-35}$	$-2.66 \cdot 10^{-6}$
$\bar{b} t \rightarrow \bar{d} u$	$1.681 \cdot 10^{-37}$	$-4.089 \cdot 10^{-38}$	1.243	$1.338 \cdot 10^{-25}$	$1.338 \cdot 10^{-25}$	$-2.691 \cdot 10^{-6}$
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	$3.308 \cdot 10^{-31}$	$-3.586 \cdot 10^{-32}$	1.108	$4.512 \cdot 10^{-17}$	$4.512 \cdot 10^{-17}$	$9.308 \cdot 10^{-7}$
$u \bar{d} \rightarrow \mu^+ \nu_\mu$	$-2.607 \cdot 10^{-40}$	$-7.081 \cdot 10^{-39}$	-26.16	$2.16 \cdot 10^{-25}$	$2.16 \cdot 10^{-25}$	$-2.685 \cdot 10^{-6}$
$u \bar{d} \rightarrow c \bar{s}$	$2.74 \cdot 10^{-33}$	$-5.478 \cdot 10^{-33}$	2.999	$2.183 \cdot 10^{-18}$	$2.183 \cdot 10^{-18}$	$9.619 \cdot 10^{-7}$
$u \bar{d} \rightarrow u \bar{d}$	$-1.663 \cdot 10^{-36}$	$-1.908 \cdot 10^{-36}$	-0.1472	$1.57 \cdot 10^{-24}$	$1.57 \cdot 10^{-24}$	$-2.675 \cdot 10^{-6}$

2.31 cHudRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^- u \bar{d}$	$-2.79 \cdot 10^{-24}$	$-2.79 \cdot 10^{-24}$	$-1.326 \cdot 10^{-6}$	$2.314 \cdot 10^{-25}$	$2.314 \cdot 10^{-25}$	$-2.679 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u \bar{d}$	$-1.823 \cdot 10^{-23}$	$-1.823 \cdot 10^{-23}$	$-1.371 \cdot 10^{-6}$	$2.456 \cdot 10^{-25}$	$2.456 \cdot 10^{-25}$	$-2.647 \cdot 10^{-6}$
$HW^+ \rightarrow u \bar{d}$	$-2.346 \cdot 10^{-19}$	$-2.346 \cdot 10^{-19}$	$-1.322 \cdot 10^{-6}$	$3.17 \cdot 10^{-20}$	$3.17 \cdot 10^{-20}$	$-2.65 \cdot 10^{-6}$
$W^+ W^- \rightarrow H c \bar{c}$	$-4.459 \cdot 10^{-18}$	$-4.459 \cdot 10^{-18}$	$4.709 \cdot 10^{-7}$	$9.064 \cdot 10^{-25}$	$9.064 \cdot 10^{-25}$	$9.488 \cdot 10^{-7}$
$W^+ W^- \rightarrow H d \bar{d}$	$-4.241 \cdot 10^{-24}$	$-4.241 \cdot 10^{-24}$	$-1.344 \cdot 10^{-6}$	$3.508 \cdot 10^{-35}$	$3.508 \cdot 10^{-35}$	$-2.651 \cdot 10^{-6}$
$\bar{b} t \rightarrow \bar{d} u$	$3.298 \cdot 10^{-21}$	$3.298 \cdot 10^{-21}$	$-1.334 \cdot 10^{-6}$	$1.767 \cdot 10^{-24}$	$1.767 \cdot 10^{-24}$	$-2.66 \cdot 10^{-6}$
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	$-4.122 \cdot 10^{-16}$	$-4.122 \cdot 10^{-16}$	$4.609 \cdot 10^{-7}$	$5.647 \cdot 10^{-17}$	$5.647 \cdot 10^{-17}$	$9.562 \cdot 10^{-7}$
$u \bar{d} \rightarrow \mu^+ \nu_\mu$	$-3.123 \cdot 10^{-24}$	$-3.123 \cdot 10^{-24}$	$-1.345 \cdot 10^{-6}$	$4.523 \cdot 10^{-26}$	$4.523 \cdot 10^{-26}$	$-2.675 \cdot 10^{-6}$

$u\bar{d} \rightarrow c\bar{s}$	$-1.285 \cdot 10^{-15}$	$-1.285 \cdot 10^{-15}$	$4.671 \cdot 10^{-7}$	$2.21 \cdot 10^{-16}$	$2.21 \cdot 10^{-16}$	$9.501 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-1.773 \cdot 10^{-20}$	$-1.773 \cdot 10^{-20}$	$-1.297 \cdot 10^{-6}$	$2.283 \cdot 10^{-24}$	$2.283 \cdot 10^{-24}$	$-2.672 \cdot 10^{-6}$

2.32 cQQ1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-1.773	-1.773	0	3.885	3.885	0
$b\bar{b} \rightarrow t\bar{t}$	-0.3358	-0.3358	0	1.119	1.119	0
$t\bar{t} \rightarrow t\bar{t}$	-33.89	-33.89	0	28.92	28.92	0

2.33 cQQ8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-0.03429	-0.03429	0	0.09617	0.09617	$-2.08 \cdot 10^{-8}$
$b\bar{b} \rightarrow t\bar{t}$	0.0916	0.0916	0	0.1229	0.1229	0
$t\bar{t} \rightarrow t\bar{t}$	-8.202	-8.202	$-1.219 \cdot 10^{-8}$	3	3	0

2.34 cQb1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	0.01726	0.01726	0	3.204	3.204	0
$b\bar{b} \rightarrow t\bar{t}$	-0.003975	-0.003975	0	0.1698	0.1698	0

2.35 cQb8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-88.97	-88.97	0	0.4445	0.4445	0
$b\bar{b} \rightarrow t\bar{t}$	0.2102	0.2102	0	0.06435	0.06435	0

2.36 cQd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow d\bar{d}$	0.02044	0.02044	0	0.006895	0.006895	0
$t\bar{t} \rightarrow d\bar{d}$	0.3473	0.3473	0	0.1106	0.1106	0
$t\bar{t} \rightarrow s\bar{s}$	0.5148	0.5148	0	0.1671	0.1671	0

2.37 cQe22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \mu^+\mu^-$	$-8.793 \cdot 10^{-5}$	$-8.793 \cdot 10^{-5}$	0	0.002124	0.002124	0

2.38 cQe33

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.003271	-0.003271	0	0.04109	0.04109	0

2.39 cQj11

interference square

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \rightarrow d\bar{d}$	0.04004	0.04004	0	0.1806	0.1806	0
$b\bar{b} \rightarrow u\bar{u}$	−0.01928	−0.01928	0	0.09281	0.09281	0
$t\bar{t} \rightarrow c\bar{c}$	0.02098	0.02098	0	0.09128	0.09128	0
$t\bar{t} \rightarrow d\bar{d}$	−0.1748	−0.1748	0	0.8453	0.8453	0
$t\bar{t} \rightarrow s\bar{s}$	−0.05897	−0.05897	0	0.2878	0.2878	0

2.40 cQj18

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \rightarrow d\bar{d}$	0.5525	0.5525	0	0.1865	0.1865	0
$b\bar{b} \rightarrow u\bar{u}$	0.03854	0.03854	0	0.013	0.013	0
$t\bar{t} \rightarrow c\bar{c}$	0.04379	0.04379	0	0.008145	0.008145	0
$t\bar{t} \rightarrow d\bar{d}$	0.08957	0.08957	0	0.0236	0.0236	0
$t\bar{t} \rightarrow s\bar{s}$	0.4986	0.4986	0	0.1616	0.1616	0

2.41 cQj31

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0.007809	0.007809	0	0.0364	0.0364	0
$b\bar{b} \rightarrow d\bar{d}$	$7.918 \cdot 10^{-5}$	$7.918 \cdot 10^{-5}$	0	0.0003583	0.0003583	0
$b\bar{b} \rightarrow u\bar{u}$	0.08047	0.08047	0	0.3873	0.3873	0
$t\bar{t} \rightarrow c\bar{c}$	0.1081	0.1081	0	0.4855	0.4855	0
$t\bar{t} \rightarrow d\bar{d}$	0.00462	0.00462	0	0.02622	0.02622	0
$t\bar{t} \rightarrow s\bar{s}$	0.000257	0.000257	0	0.005224	0.005224	0

2.42 cQj38

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$1.589 \cdot 10^{-10}$	$6.744 \cdot 10^{-19}$	1	0.02468	0.02468	0
$b\bar{b} \rightarrow d\bar{d}$	0.1447	0.1447	0	0.04882	0.04882	0
$b\bar{b} \rightarrow u\bar{u}$	-0.05869	-0.05869	0	0.0198	0.0198	0
$t\bar{t} \rightarrow c\bar{c}$	0.0723	0.0723	0	0.01777	0.01777	0
$t\bar{t} \rightarrow d\bar{d}$	-0.1521	-0.1521	0	0.04468	0.04468	0
$t\bar{t} \rightarrow s\bar{s}$	-0.6528	-0.6528	0	0.2137	0.2137	0

2.43 cQl111

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	$-1.647 \cdot 10^{-5}$	$-1.647 \cdot 10^{-5}$	0	$7.096 \cdot 10^{-5}$	$7.096 \cdot 10^{-5}$	0

2.44 cQl122

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \mu^+ \mu^-$	0.02569	0.02569	0	0.1325	0.1325	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	0.04128	0.04128	0	0.2165	0.2165	0

2.45 cQl133

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

$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.07866	-0.07866	0	0.3321	0.3321	0
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2.46 cQl311

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	0.0001869	0.0001869	0	0.0007945	0.0007945	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0.1725	0.1725	0	0.8039	0.8039	0

2.47 cQl322

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \mu^+ \mu^-$	0.01804	0.01804	0	0.09302	0.09302	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	0.006924	0.006924	0	0.03982	0.03982	0

2.48 cQl333

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	0.02906	0.02906	0	0.1205	0.1205	0

2.49 cQt1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	-0.1558	-0.1558	0	0.1698	0.1698	0
$t\bar{t} \rightarrow t\bar{t}$	-0.9112	-0.9112	0	7.661	7.661	0

2.50 cQt8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	-0.09892	-0.09892	0	0.002677	0.002677	0
$t\bar{t} \rightarrow t\bar{t}$	-14.72	-14.72	0	1.587	1.587	0

2.51 cQtQb1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	$1.867 \cdot 10^{-18}$	$1.066 \cdot 10^{-18}$	0.4287	0.8542	0.8542	0

2.52 cQtQb1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	0.001038	0.001038	0	1.091	1.091	0

2.53 cQtQb8Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	$-1.44 \cdot 10^{-18}$	$-1.197 \cdot 10^{-18}$	0.1685	0.1076	0.1076	0

2.54 cQtQb8Re

interference square

	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	0.005479	0.005479	0	0.09513	0.09513	0

2.55 cQtjd1Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$6.058 \cdot 10^{-14}$	$6.058 \cdot 10^{-14}$	$-5.943 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$-1.13 \cdot 10^{-26}$	$1.741 \cdot 10^{-26}$	2.541	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$6.738 \cdot 10^{-24}$	$6.74 \cdot 10^{-24}$	-0.0004263	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$7.003 \cdot 10^{-7}$

2.56 cQtjd1Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-3.56 \cdot 10^{-10}$	$-3.56 \cdot 10^{-10}$	$-5.899 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$-7.075 \cdot 10^{-10}$	$-7.075 \cdot 10^{-10}$	$-5.936 \cdot 10^{-7}$	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-2.819 \cdot 10^{-7}$	$-2.819 \cdot 10^{-7}$	$3.193 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$6.303 \cdot 10^{-7}$

2.57 cQtjd8Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$3.841 \cdot 10^{-29}$	$-8.975 \cdot 10^{-29}$	3.336	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.176 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$1.943 \cdot 10^{-28}$	$1.262 \cdot 10^{-27}$	-5.493	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$2.255 \cdot 10^{-24}$	$-3.625 \cdot 10^{-25}$	1.161	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$

2.58 cQtjd8Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-5.039 \cdot 10^{-27}$	$2.088 \cdot 10^{-38}$	1	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.176 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$2.012 \cdot 10^{-11}$	$2.012 \cdot 10^{-11}$	$-5.964 \cdot 10^{-7}$	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$1.001 \cdot 10^{-8}$	$1.001 \cdot 10^{-8}$	$2.998 \cdot 10^{-7}$	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$

2.59 cQu1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	0.01366	0.01366	0	0.4921	0.4921	0
$t\bar{t} \rightarrow c\bar{c}$	0.01815	0.01815	0	0.5581	0.5581	0

2.60 cQu8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	0.05503	0.05503	0	0.01857	0.01857	0
$t\bar{t} \rightarrow c\bar{c}$	0.1411	0.1411	0	0.041	0.041	0

2.61 cQujb1Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-6.61 \cdot 10^{-17}$	$-6.61 \cdot 10^{-17}$	$-7.261 \cdot 10^{-7}$	$1.485 \cdot 10^{-11}$	$1.485 \cdot 10^{-11}$	$-1.414 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-4.393 \cdot 10^{-30}$	$-2.371 \cdot 10^{-29}$	-4.398	$2.533 \cdot 10^{-11}$	$2.533 \cdot 10^{-11}$	$-1.46 \cdot 10^{-6}$

2.62 cQujb1Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-5.952 \cdot 10^{-13}$	$-5.952 \cdot 10^{-13}$	$-7.225 \cdot 10^{-7}$	$3.536 \cdot 10^{-11}$	$3.536 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-1.305 \cdot 10^{-14}$	$-1.305 \cdot 10^{-14}$	$-6.895 \cdot 10^{-7}$	$7.737 \cdot 10^{-12}$	$7.737 \cdot 10^{-12}$	$-1.448 \cdot 10^{-6}$

2.63 cQujb8Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-2.024 \cdot 10^{-17}$	$-2.024 \cdot 10^{-17}$	$-7.41 \cdot 10^{-7}$	$1.222 \cdot 10^{-13}$	$1.222 \cdot 10^{-13}$	$-1.391 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$2.269 \cdot 10^{-29}$	$2.279 \cdot 10^{-29}$	-0.004443	$1.518 \cdot 10^{-11}$	$1.518 \cdot 10^{-11}$	$-1.449 \cdot 10^{-6}$

2.64 cQujb8Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-1.2 \cdot 10^{-13}$	$-1.2 \cdot 10^{-13}$	$-7.5 \cdot 10^{-7}$	$1.222 \cdot 10^{-13}$	$1.222 \cdot 10^{-13}$	$-1.391 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-1.661 \cdot 10^{-12}$	$-1.661 \cdot 10^{-12}$	$-7.225 \cdot 10^{-7}$	$1.518 \cdot 10^{-11}$	$1.518 \cdot 10^{-11}$	$-1.449 \cdot 10^{-6}$

2.65 cW

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+W^-\gamma$	$-2.013 \cdot 10^{-7}$	$-2.013 \cdot 10^{-7}$	0	$4.195 \cdot 10^{-6}$	$4.195 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$4.462 \cdot 10^{-8}$	$4.462 \cdot 10^{-8}$	0	$5.814 \cdot 10^{-7}$	$5.814 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$9.814 \cdot 10^{-7}$	$9.814 \cdot 10^{-7}$	0	$3.387 \cdot 10^{-6}$	$3.387 \cdot 10^{-6}$	0

$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$9.898 \cdot 10^{-8}$	$9.898 \cdot 10^{-8}$	0	$6.531 \cdot 10^{-7}$	$6.531 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hb\bar{b}$	$-2.143 \cdot 10^{-8}$	$-2.143 \cdot 10^{-8}$	0	$8.478 \cdot 10^{-7}$	$8.478 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$-1.859 \cdot 10^{-7}$	$-1.859 \cdot 10^{-7}$	0	$4.46 \cdot 10^{-7}$	$4.46 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-2.003 \cdot 10^{-8}$	$-2.003 \cdot 10^{-8}$	0	$2.382 \cdot 10^{-6}$	$2.382 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-6.19 \cdot 10^{-7}$	$-6.19 \cdot 10^{-7}$	0	$5.731 \cdot 10^{-6}$	$5.731 \cdot 10^{-6}$	0
$W^+W^- \rightarrow W^+W^-$	0.04155	0.04155	0	0.4104	0.4104	0
$W^+W^- \rightarrow \gamma\gamma$	0.0005342	0.0005342	0	0.6648	0.6648	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$-1.081 \cdot 10^{-6}$	$-1.081 \cdot 10^{-6}$	0	$1.631 \cdot 10^{-6}$	$1.631 \cdot 10^{-6}$	0
$\gamma W^+ \rightarrow zW^+$	0.003498	0.003498	0	1.913	1.913	0
$zz \rightarrow W^+W^-$	-0.04279	-0.04279	0	15.98	15.98	0

2.66 cWtil

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+W^-\gamma$	$-1.269 \cdot 10^{-6}$	$-1.269 \cdot 10^{-6}$	0	$3.975 \cdot 10^{-7}$	$3.975 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-3.456 \cdot 10^{-8}$	$-3.456 \cdot 10^{-8}$	0	$3.759 \cdot 10^{-7}$	$3.759 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$1.055 \cdot 10^{-9}$	$1.055 \cdot 10^{-9}$	0	$2.357 \cdot 10^{-7}$	$2.357 \cdot 10^{-7}$	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-5.602 \cdot 10^{-9}$	$-5.602 \cdot 10^{-9}$	0	$3.441 \cdot 10^{-8}$	$3.441 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Hb\bar{b}$	$2.881 \cdot 10^{-7}$	$2.881 \cdot 10^{-7}$	0	$8.697 \cdot 10^{-7}$	$8.697 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$2.509 \cdot 10^{-8}$	$2.509 \cdot 10^{-8}$	0	$4.036 \cdot 10^{-7}$	$4.036 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$1.954 \cdot 10^{-7}$	$1.954 \cdot 10^{-7}$	0	$4.626 \cdot 10^{-7}$	$4.626 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$5.107 \cdot 10^{-7}$	$5.107 \cdot 10^{-7}$	0	$4.477 \cdot 10^{-6}$	$4.477 \cdot 10^{-6}$	0
$W^+W^- \rightarrow W^+W^-$	$4.762 \cdot 10^{-14}$	$1.237 \cdot 10^{-13}$	-1.598	6.927	6.927	0
$W^+W^- \rightarrow \gamma\gamma$	$8.222 \cdot 10^{-18}$	$8.217 \cdot 10^{-18}$	0.0006639	0.6626	0.6626	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$1.011 \cdot 10^{-6}$	$1.011 \cdot 10^{-6}$	0	$1.886 \cdot 10^{-6}$	$1.886 \cdot 10^{-6}$	0
$\gamma W^+ \rightarrow zW^+$	$2.081 \cdot 10^{-15}$	$3.203 \cdot 10^{-15}$	-0.5396	3.831	3.831	0
$zz \rightarrow W^+W^-$	$-6.834 \cdot 10^{-14}$	$-6.835 \cdot 10^{-14}$	-0.0001354	16.02	16.02	0

2.67 cbBIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z\bar{b}b$	$-2.797 \cdot 10^{-8}$	$-2.797 \cdot 10^{-8}$	0	$1.825 \cdot 10^{-7}$	$1.825 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$2.362 \cdot 10^{-7}$	$2.362 \cdot 10^{-7}$	0	$3.33 \cdot 10^{-6}$	$3.33 \cdot 10^{-6}$	0
$H\gamma \rightarrow b\bar{b}$	$-2.665 \cdot 10^{-20}$	$-2.665 \cdot 10^{-20}$	0	1.197	1.197	0
$HZ \rightarrow b\bar{b}$	$-2.779 \cdot 10^{-6}$	$-2.779 \cdot 10^{-6}$	0	0.2038	0.2038	0
$W^+W^- \rightarrow Hb\bar{b}$	$-1.226 \cdot 10^{-10}$	$-1.226 \cdot 10^{-10}$	0	$5.001 \cdot 10^{-9}$	$5.001 \cdot 10^{-9}$	0
$b\bar{b} \rightarrow \gamma\gamma$	$-1.004 \cdot 10^{-23}$	$-4.289 \cdot 10^{-23}$	-3.273	0.00199	0.00199	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-1.037 \cdot 10^{-22}$	$-1.037 \cdot 10^{-22}$	0	0.002981	0.002981	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$2.143 \cdot 10^{-21}$	$2.143 \cdot 10^{-21}$	0	$5.091 \cdot 10^{-5}$	$5.091 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow b\bar{b}$	$7.597 \cdot 10^{-19}$	$7.603 \cdot 10^{-19}$	-0.0007433	0.006707	0.006707	0
$b\bar{b} \rightarrow d\bar{d}$	$-8.636 \cdot 10^{-21}$	$-8.636 \cdot 10^{-21}$	0	0.0009978	0.0009978	0
$b\bar{b} \rightarrow t\bar{t}$	$1.049 \cdot 10^{-20}$	$1.049 \cdot 10^{-20}$	$3.509 \cdot 10^{-5}$	0.003297	0.003297	0
$b\bar{b} \rightarrow u\bar{u}$	$4.167 \cdot 10^{-20}$	$4.167 \cdot 10^{-20}$	$4.411 \cdot 10^{-5}$	0.002707	0.002707	0

2.68 cbBRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z\bar{b}b$	$-8.784 \cdot 10^{-9}$	$-8.784 \cdot 10^{-9}$	0	$2.271 \cdot 10^{-7}$	$2.271 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-7.842 \cdot 10^{-8}$	$-7.842 \cdot 10^{-8}$	0	$1.595 \cdot 10^{-6}$	$1.595 \cdot 10^{-6}$	0
$H\gamma \rightarrow b\bar{b}$	$-1.284 \cdot 10^{-5}$	$-1.284 \cdot 10^{-5}$	0	0.3315	0.3315	0
$HZ \rightarrow b\bar{b}$	-0.0006987	-0.0006987	0	0.2863	0.2863	0
$W^+W^- \rightarrow Hb\bar{b}$	$4.697 \cdot 10^{-9}$	$4.697 \cdot 10^{-9}$	0	$4.542 \cdot 10^{-9}$	$4.542 \cdot 10^{-9}$	0
$b\bar{b} \rightarrow \gamma\gamma$	$9.225 \cdot 10^{-6}$	$9.225 \cdot 10^{-6}$	0	0.00199	0.00199	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$4.522 \cdot 10^{-5}$	$4.522 \cdot 10^{-5}$	0	0.00216	0.00216	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$-2.364 \cdot 10^{-5}$	$-2.364 \cdot 10^{-5}$	0	0.000573	0.000573	0

$b\bar{b} \rightarrow b\bar{b}$	0.0004022	0.0004022	0	0.005121	0.005121	0
$b\bar{b} \rightarrow d\bar{d}$	$-2.578 \cdot 10^{-5}$	$-2.578 \cdot 10^{-5}$	0	0.0004578	0.0004578	0
$b\bar{b} \rightarrow t\bar{t}$	0.0002247	0.0002247	0	0.003228	0.003228	0
$b\bar{b} \rightarrow u\bar{u}$	$3.198 \cdot 10^{-5}$	$3.198 \cdot 10^{-5}$	0	0.00347	0.00347	0

2.69 cbGIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	$5.933 \cdot 10^{-21}$	$5.933 \cdot 10^{-21}$	0	0.01243	0.01243	0
$b\bar{b} \rightarrow d\bar{d}$	$-1.838 \cdot 10^{-25}$	$-1.838 \cdot 10^{-25}$	0	0.03667	0.03667	0
$b\bar{b} \rightarrow t\bar{t}$	$-8.29 \cdot 10^{-20}$	$-8.29 \cdot 10^{-20}$	0	0.0219	0.0219	0
$b\bar{b} \rightarrow u\bar{u}$	$9.191 \cdot 10^{-26}$	$9.191 \cdot 10^{-26}$	0	0.03457	0.03457	0

2.70 cbGRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-0.01547	-0.01547	0	0.01389	0.01389	0
$b\bar{b} \rightarrow d\bar{d}$	-0.004666	-0.004666	0	0.0144	0.0144	0
$b\bar{b} \rightarrow t\bar{t}$	-0.004799	-0.004799	0	0.01335	0.01335	0
$b\bar{b} \rightarrow u\bar{u}$	-0.004666	-0.004666	0	0.008716	0.008716	0

2.71 cbHIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Hb\bar{b}$	$1.005 \cdot 10^{-10}$	$1.005 \cdot 10^{-10}$	0	$3.568 \cdot 10^{-6}$	$3.568 \cdot 10^{-6}$	0

$HH \rightarrow W^+ \bar{t}b$	$2.332 \cdot 10^{-7}$	$2.332 \cdot 10^{-7}$	0	$9.036 \cdot 10^{-7}$	$9.036 \cdot 10^{-7}$	0
$HH \rightarrow z \bar{b}b$	$-9.761 \cdot 10^{-9}$	$-9.761 \cdot 10^{-9}$	0	$1.168 \cdot 10^{-5}$	$1.168 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t \bar{b}$	$-3.058 \cdot 10^{-9}$	$-3.058 \cdot 10^{-9}$	0	$2.164 \cdot 10^{-8}$	$2.164 \cdot 10^{-8}$	0
$HW^- \rightarrow \bar{t}b$	$5.006 \cdot 10^{-6}$	$5.006 \cdot 10^{-6}$	0	0.06337	0.06337	0
$H\gamma \rightarrow b \bar{b}$	$1.714 \cdot 10^{-18}$	$1.714 \cdot 10^{-18}$	0	0.04106	0.04106	0
$H z \rightarrow b \bar{b}$	$1.765 \cdot 10^{-8}$	$1.765 \cdot 10^{-8}$	0	0.06655	0.06655	0
$W^+ W^- \rightarrow H b \bar{b}$	$8.752 \cdot 10^{-9}$	$8.752 \cdot 10^{-9}$	0	$2.367 \cdot 10^{-7}$	$2.367 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$5.843 \cdot 10^{-10}$	$5.843 \cdot 10^{-10}$	0	$1.427 \cdot 10^{-12}$	$1.427 \cdot 10^{-12}$	0
$b \bar{b} \rightarrow \mu^+ \mu^-$	$4.174 \cdot 10^{-27}$	$4.174 \cdot 10^{-27}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
$b \bar{b} \rightarrow b \bar{b}$	$-5.255 \cdot 10^{-20}$	$-5.254 \cdot 10^{-20}$	0.0002239	$2.826 \cdot 10^{-6}$	$2.826 \cdot 10^{-6}$	0
$b \bar{b} \rightarrow d \bar{d}$	$-1.258 \cdot 10^{-29}$	$-1.258 \cdot 10^{-29}$	0	$6.823 \cdot 10^{-13}$	$6.823 \cdot 10^{-13}$	0
$b \bar{b} \rightarrow t \bar{t}$	$-3.39 \cdot 10^{-20}$	$-9.809 \cdot 10^{-21}$	0.7107	0.0008223	0.0008223	0
$b \bar{b} \rightarrow u \bar{u}$	$-1.578 \cdot 10^{-29}$	$-1.578 \cdot 10^{-29}$	0	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0

2.72 cbHRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow H b \bar{b}$	$-2.03 \cdot 10^{-8}$	$-2.03 \cdot 10^{-8}$	0	$4.58 \cdot 10^{-7}$	$4.58 \cdot 10^{-7}$	0
$HH \rightarrow W^+ \bar{t}b$	$-1.91 \cdot 10^{-6}$	$-1.91 \cdot 10^{-6}$	0	$9.658 \cdot 10^{-6}$	$9.658 \cdot 10^{-6}$	0
$HH \rightarrow z \bar{b}b$	$1.41 \cdot 10^{-8}$	$1.41 \cdot 10^{-8}$	0	$1.726 \cdot 10^{-6}$	$1.726 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t \bar{b}$	$2.33 \cdot 10^{-8}$	$2.33 \cdot 10^{-8}$	0	$1.322 \cdot 10^{-7}$	$1.322 \cdot 10^{-7}$	0
$HW^- \rightarrow \bar{t}b$	-0.009146	-0.009146	0	0.07146	0.07146	0
$H\gamma \rightarrow b \bar{b}$	-0.0003693	-0.0003693	0	0.0004663	0.0004663	0
$H z \rightarrow b \bar{b}$	-0.02806	-0.02806	0	0.09707	0.09707	0
$W^+ W^- \rightarrow H b \bar{b}$	$1.127 \cdot 10^{-7}$	$1.127 \cdot 10^{-7}$	0	$4.266 \cdot 10^{-7}$	$4.266 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$7.057 \cdot 10^{-9}$	$7.057 \cdot 10^{-9}$	0	$1.248 \cdot 10^{-11}$	$1.248 \cdot 10^{-11}$	0
$b \bar{b} \rightarrow \mu^+ \mu^-$	$-9.272 \cdot 10^{-11}$	$-9.272 \cdot 10^{-11}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
$b \bar{b} \rightarrow b \bar{b}$	0.003825	0.003825	0	$4.943 \cdot 10^{-6}$	$4.943 \cdot 10^{-6}$	0

$b\bar{b} \rightarrow d\bar{d}$	$-5.43 \cdot 10^{-13}$	$-5.43 \cdot 10^{-13}$	0	$6.822 \cdot 10^{-13}$	$6.822 \cdot 10^{-13}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.0004296	-0.0004296	0	0.0008222	0.0008222	0
$b\bar{b} \rightarrow u\bar{u}$	$-1.161 \cdot 10^{-13}$	$-1.161 \cdot 10^{-13}$	0	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0

2.73 cbWIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$-1.333 \cdot 10^{-7}$	$-1.333 \cdot 10^{-7}$	0	$1.154 \cdot 10^{-5}$	$1.154 \cdot 10^{-5}$	0
$HH \rightarrow z\bar{b}b$	$1.225 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	0	$1.716 \cdot 10^{-6}$	$1.716 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-6.245 \cdot 10^{-9}$	$-6.245 \cdot 10^{-9}$	0	$1.998 \cdot 10^{-6}$	$1.998 \cdot 10^{-6}$	0
$HW^- \rightarrow \bar{t}b$	$-6.495 \cdot 10^{-6}$	$-6.495 \cdot 10^{-6}$	0	1.408	1.408	0
$H\gamma \rightarrow b\bar{b}$	$-1.075 \cdot 10^{-23}$	$-1.075 \cdot 10^{-23}$	0	0.5975	0.5975	0
$H z \rightarrow b\bar{b}$	$1.847 \cdot 10^{-6}$	$1.847 \cdot 10^{-6}$	0	1.494	1.494	0
$W^+W^- \rightarrow Hb\bar{b}$	$-2.977 \cdot 10^{-8}$	$-2.977 \cdot 10^{-8}$	0	$4.104 \cdot 10^{-6}$	$4.104 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-3.23 \cdot 10^{-9}$	$-3.23 \cdot 10^{-9}$	0	$3.81 \cdot 10^{-8}$	$3.81 \cdot 10^{-8}$	0
$\bar{b}t \rightarrow \bar{d}u$	$-4.287 \cdot 10^{-19}$	$-4.287 \cdot 10^{-19}$	0	0.01094	0.01094	0
$b\bar{b} \rightarrow \gamma\gamma$	$-6.013 \cdot 10^{-23}$	$-6.013 \cdot 10^{-23}$	0	0.0005705	0.0005705	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-1.396 \cdot 10^{-22}$	$-1.396 \cdot 10^{-22}$	0	0.001965	0.001965	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	$6.219 \cdot 10^{-20}$	$6.219 \cdot 10^{-20}$	0	0.002148	0.002148	0
$b\bar{b} \rightarrow b\bar{b}$	$-5.499 \cdot 10^{-18}$	$-5.463 \cdot 10^{-18}$	0.006539	0.01432	0.01432	0
$b\bar{b} \rightarrow d\bar{d}$	$-6.213 \cdot 10^{-19}$	$-6.213 \cdot 10^{-19}$	$2.366 \cdot 10^{-6}$	0.006407	0.006407	0
$b\bar{b} \rightarrow t\bar{t}$	$-1.835 \cdot 10^{-18}$	$-1.835 \cdot 10^{-18}$	0	0.949	0.949	0
$b\bar{b} \rightarrow u\bar{u}$	$-4.184 \cdot 10^{-20}$	$-4.184 \cdot 10^{-20}$	0	0.00554	0.00554	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$2.704 \cdot 10^{-19}$	$2.704 \cdot 10^{-19}$	0	0.004483	0.004483	0

2.74 cbWRe

interference

square

	mod1	mod2	1 - mod2/mod1		mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$-2.535 \cdot 10^{-7}$	$-2.535 \cdot 10^{-7}$	0		$5.954 \cdot 10^{-6}$	$5.954 \cdot 10^{-6}$	0
$HH \rightarrow z \bar{b}b$	$-2.354 \cdot 10^{-7}$	$-2.354 \cdot 10^{-7}$	0		$4.448 \cdot 10^{-6}$	$4.448 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t \bar{b}$	$-2.512 \cdot 10^{-8}$	$-2.512 \cdot 10^{-8}$	0		$1.209 \cdot 10^{-6}$	$1.209 \cdot 10^{-6}$	0
$HW^- \rightarrow \bar{t}b$	0.004016	0.004016	0		1.125	1.125	0
$H\gamma \rightarrow b \bar{b}$	$1.25 \cdot 10^{-6}$	$1.25 \cdot 10^{-6}$	0		0.5223	0.5223	0
$H z \rightarrow b \bar{b}$	-0.001305	-0.001305	0		1.199	1.199	0
$W^+ W^- \rightarrow H b \bar{b}$	$7.506 \cdot 10^{-9}$	$7.506 \cdot 10^{-9}$	0		$1.583 \cdot 10^{-6}$	$1.583 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$-1.28 \cdot 10^{-7}$	$-1.28 \cdot 10^{-7}$	0		$1.193 \cdot 10^{-8}$	$1.193 \cdot 10^{-8}$	0
$\bar{b}t \rightarrow \bar{d}u$	$-3.649 \cdot 10^{-5}$	$-3.649 \cdot 10^{-5}$	0		0.004372	0.004372	0
$b \bar{b} \rightarrow \gamma \gamma$	$-4.012 \cdot 10^{-6}$	$-4.012 \cdot 10^{-6}$	0		0.0005706	0.0005706	0
$b \bar{b} \rightarrow \mu^+ \mu^-$	$-3.136 \cdot 10^{-5}$	$-3.136 \cdot 10^{-5}$	0		0.002045	0.002045	0
$b \bar{b} \rightarrow \nu_e \bar{\nu}_e$	$-2.781 \cdot 10^{-5}$	$-2.781 \cdot 10^{-5}$	0		0.002179	0.002179	0
$b \bar{b} \rightarrow b \bar{b}$	0.2655	0.2655	0		1.69	1.69	0
$b \bar{b} \rightarrow d \bar{d}$	$-1.093 \cdot 10^{-5}$	$-1.093 \cdot 10^{-5}$	0		0.002513	0.002513	0
$b \bar{b} \rightarrow t \bar{t}$	-0.004634	-0.004634	0		0.08269	0.08269	0
$b \bar{b} \rightarrow u \bar{u}$	$-6.613 \cdot 10^{-5}$	$-6.613 \cdot 10^{-5}$	0		0.005353	0.005353	0
$b \bar{t} \rightarrow e^- \bar{\nu}_e$	$-5.557 \cdot 10^{-6}$	$-5.557 \cdot 10^{-6}$	0		0.000701	0.000701	0

2.75 cbb

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b \bar{b} \rightarrow b \bar{b}$	$8.568 \cdot 10^{-5}$	$8.568 \cdot 10^{-5}$	0	0.01127	0.01127	0

2.76 cbd1

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

$b\bar{b} \rightarrow d\bar{d}$	0.004305	0.004305	0	0.1582	0.1582	0
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2.77 cbd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow d\bar{d}$	0.0076	0.0076	0	0.002561	0.002561	0

2.78 cbe22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \mu^+\mu^-$	0.007596	0.007596	0	0.09302	0.09302	0

2.79 cbj1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow d\bar{d}$	$-9.401 \cdot 10^{-5}$	$-9.401 \cdot 10^{-5}$	0	0.007054	0.007054	0
$b\bar{b} \rightarrow u\bar{u}$	-0.007674	-0.007674	0	0.5748	0.5748	0

2.80 cbj8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow d\bar{d}$	0.04669	0.04669	0	0.01575	0.01575	0
$b\bar{b} \rightarrow u\bar{u}$	0.04702	0.04702	0	0.01587	0.01587	0

2.81 cbl11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	0.004095	0.004095	0	0.09966	0.09966	0

2.82 cbl22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \mu^+ \mu^-$	0.003638	0.003638	0	0.08965	0.08965	0

2.83 cbu1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	-0.003185	-0.003185	0	0.05851	0.05851	0

2.84 cdBIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z d \bar{d}$	$2.599 \cdot 10^{-15}$	$2.599 \cdot 10^{-15}$	$-5.771 \cdot 10^{-7}$	$1.287 \cdot 10^{-15}$	$1.287 \cdot 10^{-15}$	$-1.166 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u \bar{d}$	$-8.801 \cdot 10^{-16}$	$-8.801 \cdot 10^{-16}$	$-5.795 \cdot 10^{-7}$	$5.039 \cdot 10^{-17}$	$5.039 \cdot 10^{-17}$	$-1.171 \cdot 10^{-6}$
$H\gamma \rightarrow d \bar{d}$	$3.782 \cdot 10^{-28}$	$3.782 \cdot 10^{-28}$	$-5.816 \cdot 10^{-7}$	$1.169 \cdot 10^{-9}$	$1.169 \cdot 10^{-9}$	$-1.198 \cdot 10^{-6}$
$H z \rightarrow s \bar{s}$	$2.437 \cdot 10^{-11}$	$2.437 \cdot 10^{-11}$	$3.283 \cdot 10^{-7}$	$9.159 \cdot 10^{-8}$	$9.159 \cdot 10^{-8}$	$6.332 \cdot 10^{-7}$
$W^+ W^- \rightarrow H d \bar{d}$	$-4.263 \cdot 10^{-16}$	$-4.263 \cdot 10^{-16}$	$-5.864 \cdot 10^{-7}$	$2.43 \cdot 10^{-18}$	$2.43 \cdot 10^{-18}$	$-1.194 \cdot 10^{-6}$
$b\bar{b} \rightarrow d \bar{d}$	$3.484 \cdot 10^{-29}$	$-1.288 \cdot 10^{-29}$	1.37	$6.132 \cdot 10^{-13}$	$6.132 \cdot 10^{-13}$	$-1.158 \cdot 10^{-6}$

$d\bar{d} \rightarrow c\bar{c}$	$-6.075 \cdot 10^{-29}$	$-6.076 \cdot 10^{-29}$	-0.0002705	$1.998 \cdot 10^{-12}$	$1.998 \cdot 10^{-12}$	$-1.151 \cdot 10^{-6}$
$d\bar{d} \rightarrow e^+e^-$	$-1.041 \cdot 10^{-28}$	$-1.041 \cdot 10^{-28}$	$-6.53 \cdot 10^{-6}$	$4.787 \cdot 10^{-13}$	$4.787 \cdot 10^{-13}$	$-1.191 \cdot 10^{-6}$
$d\bar{d} \rightarrow s\bar{s}$	$9.133 \cdot 10^{-28}$	$8.937 \cdot 10^{-28}$	0.0215	$8.472 \cdot 10^{-11}$	$8.472 \cdot 10^{-11}$	$6.374 \cdot 10^{-7}$
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	$-6.269 \cdot 10^{-25}$	$-6.269 \cdot 10^{-25}$	0	$1.781 \cdot 10^{-10}$	$1.781 \cdot 10^{-10}$	$6.177 \cdot 10^{-7}$
$s\bar{s} \rightarrow s\bar{s}$	$2.16 \cdot 10^{-23}$	$2.169 \cdot 10^{-23}$	-0.004282	$2.469 \cdot 10^{-10}$	$2.469 \cdot 10^{-10}$	$6.481 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$4.448 \cdot 10^{-26}$	$4.323 \cdot 10^{-26}$	0.02816	$2.068 \cdot 10^{-12}$	$2.068 \cdot 10^{-12}$	$-1.161 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$2.838 \cdot 10^{-24}$	$2.891 \cdot 10^{-24}$	-0.01893	$8.437 \cdot 10^{-10}$	$8.437 \cdot 10^{-10}$	$6.282 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-2.57 \cdot 10^{-26}$	$-2.57 \cdot 10^{-26}$	$-5.058 \cdot 10^{-6}$	$1.031 \cdot 10^{-11}$	$1.031 \cdot 10^{-11}$	$-1.164 \cdot 10^{-6}$

2.85 cdBRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z d\bar{d}$	$-4.523 \cdot 10^{-16}$	$-4.523 \cdot 10^{-16}$	$-5.969 \cdot 10^{-7}$	$9.089 \cdot 10^{-16}$	$9.089 \cdot 10^{-16}$	$-1.166 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u\bar{d}$	$-3.059 \cdot 10^{-16}$	$-3.059 \cdot 10^{-16}$	$-5.885 \cdot 10^{-7}$	$7.565 \cdot 10^{-16}$	$7.565 \cdot 10^{-16}$	$-1.176 \cdot 10^{-6}$
$H\gamma \rightarrow d\bar{d}$	$-3.485 \cdot 10^{-19}$	$-3.485 \cdot 10^{-19}$	$-5.739 \cdot 10^{-7}$	$3.253 \cdot 10^{-10}$	$3.253 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$H z \rightarrow s\bar{s}$	$-8.321 \cdot 10^{-9}$	$-8.321 \cdot 10^{-9}$	$3.125 \cdot 10^{-7}$	$6.524 \cdot 10^{-8}$	$6.524 \cdot 10^{-8}$	$6.284 \cdot 10^{-7}$
$W^+W^- \rightarrow H d\bar{d}$	$1.297 \cdot 10^{-16}$	$1.297 \cdot 10^{-16}$	$-6.168 \cdot 10^{-7}$	$5.219 \cdot 10^{-18}$	$5.219 \cdot 10^{-18}$	$-1.169 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$-7.919 \cdot 10^{-13}$	$-7.919 \cdot 10^{-13}$	$-5.935 \cdot 10^{-7}$	$2.702 \cdot 10^{-13}$	$2.702 \cdot 10^{-13}$	$-1.184 \cdot 10^{-6}$
$d\bar{d} \rightarrow c\bar{c}$	$9.258 \cdot 10^{-13}$	$9.258 \cdot 10^{-13}$	$-5.833 \cdot 10^{-7}$	$2.507 \cdot 10^{-12}$	$2.507 \cdot 10^{-12}$	$-1.157 \cdot 10^{-6}$
$d\bar{d} \rightarrow e^+e^-$	$1.612 \cdot 10^{-12}$	$1.612 \cdot 10^{-12}$	$-6.203 \cdot 10^{-7}$	$7.928 \cdot 10^{-13}$	$7.928 \cdot 10^{-13}$	$-1.173 \cdot 10^{-6}$
$d\bar{d} \rightarrow s\bar{s}$	$-8.539 \cdot 10^{-11}$	$-8.539 \cdot 10^{-11}$	$3.162 \cdot 10^{-7}$	$1.766 \cdot 10^{-10}$	$1.766 \cdot 10^{-10}$	$6.23 \cdot 10^{-7}$
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	$-1.156 \cdot 10^{-10}$	$-1.156 \cdot 10^{-10}$	$3.46 \cdot 10^{-7}$	$1.64 \cdot 10^{-10}$	$1.64 \cdot 10^{-10}$	$6.099 \cdot 10^{-7}$
$s\bar{s} \rightarrow s\bar{s}$	$3.543 \cdot 10^{-9}$	$3.543 \cdot 10^{-9}$	$3.105 \cdot 10^{-7}$	$2.679 \cdot 10^{-9}$	$2.679 \cdot 10^{-9}$	$6.346 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$-4.259 \cdot 10^{-12}$	$-4.259 \cdot 10^{-12}$	$-5.87 \cdot 10^{-7}$	$2.038 \cdot 10^{-12}$	$2.038 \cdot 10^{-12}$	$-1.177 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$4.197 \cdot 10^{-10}$	$4.197 \cdot 10^{-10}$	$3.097 \cdot 10^{-7}$	$1.029 \cdot 10^{-9}$	$1.029 \cdot 10^{-9}$	$5.833 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-2.541 \cdot 10^{-11}$	$-2.541 \cdot 10^{-11}$	$-5.904 \cdot 10^{-7}$	$9.482 \cdot 10^{-11}$	$9.482 \cdot 10^{-11}$	$-1.171 \cdot 10^{-6}$

2.86 cdGIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow d\bar{d}$	$-2.059 \cdot 10^{-27}$	$-2.476 \cdot 10^{-27}$	-0.203	$1.036 \cdot 10^{-11}$	$1.036 \cdot 10^{-11}$	$-1.158 \cdot 10^{-6}$
$d\bar{d} \rightarrow c\bar{c}$	$-5.256 \cdot 10^{-34}$	$-6.28 \cdot 10^{-33}$	-10.95	$2.855 \cdot 10^{-11}$	$2.855 \cdot 10^{-11}$	$-1.156 \cdot 10^{-6}$
$d\bar{d} \rightarrow s\bar{s}$	$-1.053 \cdot 10^{-24}$	$-9.079 \cdot 10^{-25}$	0.1376	$6.767 \cdot 10^{-9}$	$6.767 \cdot 10^{-9}$	$6.354 \cdot 10^{-7}$
$s\bar{s} \rightarrow s\bar{s}$	$-2.036 \cdot 10^{-24}$	$-1.251 \cdot 10^{-24}$	0.3855	$5.698 \cdot 10^{-8}$	$5.698 \cdot 10^{-8}$	$6.318 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$2.149 \cdot 10^{-27}$	$2.609 \cdot 10^{-27}$	-0.2142	$2.413 \cdot 10^{-11}$	$2.413 \cdot 10^{-11}$	$-1.16 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$7.338 \cdot 10^{-25}$	$4.379 \cdot 10^{-25}$	0.4033	$1.208 \cdot 10^{-8}$	$1.208 \cdot 10^{-8}$	$6.622 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$1.921 \cdot 10^{-25}$	$1.921 \cdot 10^{-25}$	$8.226 \cdot 10^{-6}$	$1.094 \cdot 10^{-9}$	$1.094 \cdot 10^{-9}$	$-1.188 \cdot 10^{-6}$

2.87 cdGRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow d\bar{d}$	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-6.436 \cdot 10^{-7}$	$2.678 \cdot 10^{-11}$	$2.678 \cdot 10^{-11}$	$-1.158 \cdot 10^{-6}$
$d\bar{d} \rightarrow c\bar{c}$	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-5.721 \cdot 10^{-7}$	$1.693 \cdot 10^{-11}$	$1.693 \cdot 10^{-11}$	$-1.182 \cdot 10^{-6}$
$d\bar{d} \rightarrow s\bar{s}$	$-5.56 \cdot 10^{-8}$	$-5.56 \cdot 10^{-8}$	$3.058 \cdot 10^{-7}$	$5.465 \cdot 10^{-10}$	$5.465 \cdot 10^{-10}$	$6.222 \cdot 10^{-7}$
$s\bar{s} \rightarrow s\bar{s}$	$-2.362 \cdot 10^{-7}$	$-2.362 \cdot 10^{-7}$	$2.964 \cdot 10^{-7}$	$1.419 \cdot 10^{-7}$	$1.419 \cdot 10^{-7}$	$6.34 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$-1.567 \cdot 10^{-10}$	$-1.567 \cdot 10^{-10}$	$-6.383 \cdot 10^{-7}$	$2.087 \cdot 10^{-11}$	$2.087 \cdot 10^{-11}$	$-1.198 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-6.213 \cdot 10^{-8}$	$-6.213 \cdot 10^{-8}$	$3.219 \cdot 10^{-7}$	$1.048 \cdot 10^{-8}$	$1.048 \cdot 10^{-8}$	$6.676 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-1.481 \cdot 10^{-10}$	$-1.481 \cdot 10^{-10}$	$-6.075 \cdot 10^{-7}$	$7.983 \cdot 10^{-11}$	$7.983 \cdot 10^{-11}$	$-1.165 \cdot 10^{-6}$

2.88 cdHIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Hs\bar{s}$	$2.18 \cdot 10^{-18}$	$2.18 \cdot 10^{-18}$	$3.211 \cdot 10^{-7}$	$6.192 \cdot 10^{-13}$	$6.192 \cdot 10^{-13}$	$6.299 \cdot 10^{-7}$

$HH \rightarrow W^- u \bar{d}$	$-1.438 \cdot 10^{-15}$	$-1.438 \cdot 10^{-15}$	$-5.562 \cdot 10^{-7}$	$2.278 \cdot 10^{-15}$	$2.278 \cdot 10^{-15}$	$-1.141 \cdot 10^{-6}$
$HH \rightarrow z d \bar{d}$	$-3.449 \cdot 10^{-17}$	$-3.449 \cdot 10^{-17}$	$-5.799 \cdot 10^{-7}$	$2.833 \cdot 10^{-15}$	$2.833 \cdot 10^{-15}$	$-1.165 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u \bar{d}$	$-1.464 \cdot 10^{-16}$	$-1.464 \cdot 10^{-16}$	$-6.148 \cdot 10^{-7}$	$9.321 \cdot 10^{-17}$	$9.321 \cdot 10^{-17}$	$-1.169 \cdot 10^{-6}$
$HW^+ \rightarrow u \bar{d}$	$-2.41 \cdot 10^{-13}$	$-2.41 \cdot 10^{-13}$	$-5.809 \cdot 10^{-7}$	$4.565 \cdot 10^{-11}$	$4.565 \cdot 10^{-11}$	$-1.161 \cdot 10^{-6}$
$H\gamma \rightarrow d \bar{d}$	$8.078 \cdot 10^{-28}$	$8.078 \cdot 10^{-28}$	0	$3.387 \cdot 10^{-13}$	$3.387 \cdot 10^{-13}$	$-1.152 \cdot 10^{-6}$
$H z \rightarrow s \bar{s}$	$-1.151 \cdot 10^{-14}$	$-1.151 \cdot 10^{-14}$	$2.606 \cdot 10^{-7}$	$1.746 \cdot 10^{-8}$	$1.746 \cdot 10^{-8}$	$6.3 \cdot 10^{-7}$
$W^+ W^- \rightarrow H c \bar{c}$	$-6.869 \cdot 10^{-13}$	$-6.869 \cdot 10^{-13}$	$3.203 \cdot 10^{-7}$	$9.567 \cdot 10^{-21}$	$9.567 \cdot 10^{-21}$	$6.271 \cdot 10^{-7}$
$W^+ W^- \rightarrow H d \bar{d}$	$-2.511 \cdot 10^{-16}$	$-2.511 \cdot 10^{-16}$	$-5.973 \cdot 10^{-7}$	$8.428 \cdot 10^{-17}$	$8.428 \cdot 10^{-17}$	$-1.175 \cdot 10^{-6}$
$b \bar{b} \rightarrow d \bar{d}$	$1.918 \cdot 10^{-31}$	$1.877 \cdot 10^{-31}$	0.02142	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
$d \bar{d} \rightarrow c \bar{c}$	$7.361 \cdot 10^{-32}$	$-2.876 \cdot 10^{-32}$	1.391	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
$d \bar{d} \rightarrow e^+ e^-$	$5.02 \cdot 10^{-39}$	$1.112 \cdot 10^{-39}$	0.7785	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
$d \bar{d} \rightarrow s \bar{s}$	$1.029 \cdot 10^{-33}$	$2.081 \cdot 10^{-33}$	-1.023	$3.893 \cdot 10^{-19}$	$3.893 \cdot 10^{-19}$	$-2.825 \cdot 10^{-7}$
$s \bar{s} \rightarrow s \bar{s}$	$-1.178 \cdot 10^{-24}$	$-8.903 \cdot 10^{-25}$	0.2445	$3.973 \cdot 10^{-16}$	$3.973 \cdot 10^{-16}$	$6.293 \cdot 10^{-7}$
$t \bar{t} \rightarrow d \bar{d}$	$-2.382 \cdot 10^{-28}$	$-2.607 \cdot 10^{-28}$	-0.09419	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
$t \bar{t} \rightarrow s \bar{s}$	$-1.391 \cdot 10^{-25}$	$-4.145 \cdot 10^{-25}$	-1.98	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
$u \bar{d} \rightarrow u \bar{d}$	$2.063 \cdot 10^{-36}$	$2.109 \cdot 10^{-36}$	-0.02212	$9.863 \cdot 10^{-23}$	$9.863 \cdot 10^{-23}$	$-1.166 \cdot 10^{-6}$

2.89 cdHRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow H s \bar{s}$	$-2.641 \cdot 10^{-12}$	$-2.641 \cdot 10^{-12}$	$3.029 \cdot 10^{-7}$	$1.513 \cdot 10^{-12}$	$1.513 \cdot 10^{-12}$	$6.607 \cdot 10^{-7}$
$HH \rightarrow W^- u \bar{d}$	$-7.483 \cdot 10^{-15}$	$-7.483 \cdot 10^{-15}$	$-5.88 \cdot 10^{-7}$	$1.118 \cdot 10^{-14}$	$1.118 \cdot 10^{-14}$	$-1.253 \cdot 10^{-6}$
$HH \rightarrow z d \bar{d}$	$5.218 \cdot 10^{-15}$	$5.218 \cdot 10^{-15}$	$-5.941 \cdot 10^{-7}$	$5.583 \cdot 10^{-16}$	$5.583 \cdot 10^{-16}$	$-1.182 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u \bar{d}$	$-5.974 \cdot 10^{-15}$	$-5.974 \cdot 10^{-15}$	$-5.859 \cdot 10^{-7}$	$9.411 \cdot 10^{-17}$	$9.411 \cdot 10^{-17}$	$-1.169 \cdot 10^{-6}$
$HW^+ \rightarrow u \bar{d}$	$-7.262 \cdot 10^{-12}$	$-7.262 \cdot 10^{-12}$	$-5.921 \cdot 10^{-7}$	$4.406 \cdot 10^{-11}$	$4.406 \cdot 10^{-11}$	$-1.157 \cdot 10^{-6}$
$H\gamma \rightarrow d \bar{d}$	$-6.067 \cdot 10^{-10}$	$-6.067 \cdot 10^{-10}$	$-5.934 \cdot 10^{-7}$	$1.839 \cdot 10^{-11}$	$1.839 \cdot 10^{-11}$	$-1.142 \cdot 10^{-6}$
$H z \rightarrow s \bar{s}$	$-4.021 \cdot 10^{-10}$	$-4.021 \cdot 10^{-10}$	$3.233 \cdot 10^{-7}$	$1.746 \cdot 10^{-8}$	$1.746 \cdot 10^{-8}$	$6.3 \cdot 10^{-7}$
$W^+ W^- \rightarrow H c \bar{c}$	$2.712 \cdot 10^{-13}$	$2.712 \cdot 10^{-13}$	$3.318 \cdot 10^{-7}$	$7.707 \cdot 10^{-21}$	$7.707 \cdot 10^{-21}$	$6.228 \cdot 10^{-7}$

$W^+W^- \rightarrow Hdd\bar{d}$	$-1.176 \cdot 10^{-16}$	$-1.176 \cdot 10^{-16}$	$-5.951 \cdot 10^{-7}$	$3.727 \cdot 10^{-17}$	$3.727 \cdot 10^{-17}$	$-1.181 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$-1.304 \cdot 10^{-14}$	$-1.304 \cdot 10^{-14}$	$-6.137 \cdot 10^{-7}$	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
$d\bar{d} \rightarrow c\bar{c}$	$-1.191 \cdot 10^{-15}$	$-1.191 \cdot 10^{-15}$	$-5.876 \cdot 10^{-7}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
$d\bar{d} \rightarrow e^+e^-$	$-6.469 \cdot 10^{-23}$	$-6.469 \cdot 10^{-23}$	$-5.874 \cdot 10^{-7}$	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
$d\bar{d} \rightarrow s\bar{s}$	$-1.291 \cdot 10^{-17}$	$-1.291 \cdot 10^{-17}$	$-1.549 \cdot 10^{-7}$	$7.787 \cdot 10^{-19}$	$7.787 \cdot 10^{-19}$	$-2.697 \cdot 10^{-7}$
$s\bar{s} \rightarrow s\bar{s}$	$4.722 \cdot 10^{-8}$	$4.722 \cdot 10^{-8}$	$3.177 \cdot 10^{-7}$	$6.954 \cdot 10^{-16}$	$6.954 \cdot 10^{-16}$	$6.184 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$-2.075 \cdot 10^{-11}$	$-2.075 \cdot 10^{-11}$	$-5.782 \cdot 10^{-7}$	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-8.23 \cdot 10^{-9}$	$-8.23 \cdot 10^{-9}$	$3.159 \cdot 10^{-7}$	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-2.027 \cdot 10^{-21}$	$-2.027 \cdot 10^{-21}$	$-5.921 \cdot 10^{-7}$	$9.746 \cdot 10^{-23}$	$9.746 \cdot 10^{-23}$	$-1.17 \cdot 10^{-6}$

2.90 cdWIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^-u\bar{d}$	$-3.271 \cdot 10^{-16}$	$-3.271 \cdot 10^{-16}$	$-5.809 \cdot 10^{-7}$	$5.25 \cdot 10^{-15}$	$5.25 \cdot 10^{-15}$	$-1.181 \cdot 10^{-6}$
$HH \rightarrow zdd\bar{d}$	$3.043 \cdot 10^{-16}$	$3.043 \cdot 10^{-16}$	$-5.915 \cdot 10^{-7}$	$3.226 \cdot 10^{-15}$	$3.226 \cdot 10^{-15}$	$-1.147 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u\bar{d}$	$-1.027 \cdot 10^{-15}$	$-1.027 \cdot 10^{-15}$	$-5.843 \cdot 10^{-7}$	$4.68 \cdot 10^{-15}$	$4.68 \cdot 10^{-15}$	$-1.175 \cdot 10^{-6}$
$HW^+ \rightarrow u\bar{d}$	$-1.29 \cdot 10^{-13}$	$-1.29 \cdot 10^{-13}$	$-5.425 \cdot 10^{-7}$	$4.112 \cdot 10^{-10}$	$4.112 \cdot 10^{-10}$	$-1.167 \cdot 10^{-6}$
$H\gamma \rightarrow d\bar{d}$	$-3.007 \cdot 10^{-27}$	$-3.007 \cdot 10^{-27}$	$-5.986 \cdot 10^{-7}$	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
$H z \rightarrow s\bar{s}$	$5.755 \cdot 10^{-11}$	$5.755 \cdot 10^{-11}$	$3.302 \cdot 10^{-7}$	$2.359 \cdot 10^{-7}$	$2.359 \cdot 10^{-7}$	$6.357 \cdot 10^{-7}$
$W^+W^- \rightarrow Hc\bar{c}$	$1.776 \cdot 10^{-11}$	$1.776 \cdot 10^{-11}$	$2.816 \cdot 10^{-7}$	$2.426 \cdot 10^{-17}$	$2.426 \cdot 10^{-17}$	$6.183 \cdot 10^{-7}$
$W^+W^- \rightarrow Hdd\bar{d}$	$7.359 \cdot 10^{-16}$	$7.359 \cdot 10^{-16}$	$-5.843 \cdot 10^{-7}$	$7.448 \cdot 10^{-16}$	$7.448 \cdot 10^{-16}$	$-1.168 \cdot 10^{-6}$
$b\bar{t} \rightarrow d\bar{u}$	$8.824 \cdot 10^{-26}$	$8.861 \cdot 10^{-26}$	-0.0042	$5.056 \cdot 10^{-12}$	$5.056 \cdot 10^{-12}$	$-1.167 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$6.542 \cdot 10^{-29}$	$8.204 \cdot 10^{-29}$	-0.2541	$4.697 \cdot 10^{-12}$	$4.697 \cdot 10^{-12}$	$-1.171 \cdot 10^{-6}$
$c\bar{s} \rightarrow \tau^+\bar{\nu}_\tau$	$-2.107 \cdot 10^{-24}$	$-2.09 \cdot 10^{-24}$	0.008265	$1.158 \cdot 10^{-9}$	$1.158 \cdot 10^{-9}$	$6.046 \cdot 10^{-7}$
$d\bar{d} \rightarrow c\bar{c}$	$8.457 \cdot 10^{-28}$	$8.458 \cdot 10^{-28}$	-0.0001457	$3.201 \cdot 10^{-12}$	$3.201 \cdot 10^{-12}$	$-1.156 \cdot 10^{-6}$
$d\bar{d} \rightarrow e^+e^-$	$6.643 \cdot 10^{-27}$	$6.643 \cdot 10^{-27}$	$-8.279 \cdot 10^{-7}$	$1.547 \cdot 10^{-12}$	$1.547 \cdot 10^{-12}$	$-1.164 \cdot 10^{-6}$
$d\bar{d} \rightarrow s\bar{s}$	$-1.349 \cdot 10^{-26}$	$-1.136 \cdot 10^{-26}$	0.1578	$6.607 \cdot 10^{-10}$	$6.607 \cdot 10^{-10}$	$6.205 \cdot 10^{-7}$
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	$3.984 \cdot 10^{-25}$	$3.984 \cdot 10^{-25}$	0	$2.289 \cdot 10^{-10}$	$2.289 \cdot 10^{-10}$	$6.117 \cdot 10^{-7}$

$s\bar{s} \rightarrow s\bar{s}$	$-2.239 \cdot 10^{-23}$	$-1.958 \cdot 10^{-23}$	0.1256	$7.073 \cdot 10^{-8}$	$7.073 \cdot 10^{-8}$	$6.362 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$4.633 \cdot 10^{-27}$	$4.567 \cdot 10^{-27}$	0.01424	$4.624 \cdot 10^{-12}$	$4.624 \cdot 10^{-12}$	$-1.168 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-3.745 \cdot 10^{-25}$	$-3.734 \cdot 10^{-25}$	0.00276	$2.485 \cdot 10^{-10}$	$2.485 \cdot 10^{-10}$	$6.036 \cdot 10^{-7}$
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	$1.121 \cdot 10^{-29}$	$-1.027 \cdot 10^{-29}$	1.916	$1.364 \cdot 10^{-12}$	$1.364 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$
$u\bar{d} \rightarrow c\bar{s}$	$-2.783 \cdot 10^{-25}$	$8.927 \cdot 10^{-26}$	1.321	$2.397 \cdot 10^{-9}$	$2.397 \cdot 10^{-9}$	$6.259 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$1.556 \cdot 10^{-24}$	$1.55 \cdot 10^{-24}$	0.003649	$1.685 \cdot 10^{-10}$	$1.685 \cdot 10^{-10}$	$-1.187 \cdot 10^{-6}$

2.91 cdWRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^- u\bar{d}$	$-5.374 \cdot 10^{-16}$	$-5.374 \cdot 10^{-16}$	$-5.954 \cdot 10^{-7}$	$6.173 \cdot 10^{-16}$	$6.173 \cdot 10^{-16}$	$-1.183 \cdot 10^{-6}$
$HH \rightarrow z d\bar{d}$	$-8.447 \cdot 10^{-16}$	$-8.447 \cdot 10^{-16}$	$-5.919 \cdot 10^{-7}$	$3.169 \cdot 10^{-15}$	$3.169 \cdot 10^{-15}$	$-1.167 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma u\bar{d}$	$-1.838 \cdot 10^{-15}$	$-1.838 \cdot 10^{-15}$	$-5.983 \cdot 10^{-7}$	$1.352 \cdot 10^{-15}$	$1.352 \cdot 10^{-15}$	$-1.183 \cdot 10^{-6}$
$HW^+ \rightarrow u\bar{d}$	$-3.561 \cdot 10^{-11}$	$-3.561 \cdot 10^{-11}$	$-5.616 \cdot 10^{-7}$	$9.243 \cdot 10^{-10}$	$9.243 \cdot 10^{-10}$	$-1.179 \cdot 10^{-6}$
$H\gamma \rightarrow d\bar{d}$	$1.866 \cdot 10^{-19}$	$1.866 \cdot 10^{-19}$	$-5.895 \cdot 10^{-7}$	$9.328 \cdot 10^{-11}$	$9.328 \cdot 10^{-11}$	$-1.169 \cdot 10^{-6}$
$H z \rightarrow s\bar{s}$	$-1.554 \cdot 10^{-8}$	$-1.554 \cdot 10^{-8}$	$3.218 \cdot 10^{-7}$	$2.275 \cdot 10^{-7}$	$2.275 \cdot 10^{-7}$	$6.593 \cdot 10^{-7}$
$W^+ W^- \rightarrow H c\bar{c}$	$-1.638 \cdot 10^{-13}$	$-1.638 \cdot 10^{-13}$	$3.052 \cdot 10^{-7}$	$2.762 \cdot 10^{-19}$	$2.762 \cdot 10^{-19}$	$6.518 \cdot 10^{-7}$
$W^+ W^- \rightarrow H d\bar{d}$	$2.182 \cdot 10^{-16}$	$2.182 \cdot 10^{-16}$	$-5.959 \cdot 10^{-7}$	$2.275 \cdot 10^{-15}$	$2.275 \cdot 10^{-15}$	$-1.143 \cdot 10^{-6}$
$\bar{b}t \rightarrow \bar{d}u$	$9.687 \cdot 10^{-15}$	$9.687 \cdot 10^{-15}$	$-5.884 \cdot 10^{-7}$	$3.772 \cdot 10^{-12}$	$3.772 \cdot 10^{-12}$	$-1.166 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$-5.687 \cdot 10^{-12}$	$-5.687 \cdot 10^{-12}$	$-5.803 \cdot 10^{-7}$	$1.701 \cdot 10^{-12}$	$1.701 \cdot 10^{-12}$	$-1.117 \cdot 10^{-6}$
$c\bar{s} \rightarrow \tau^+ \nu_\tau$	$-1.029 \cdot 10^{-9}$	$-1.029 \cdot 10^{-9}$	$2.915 \cdot 10^{-7}$	$1.157 \cdot 10^{-9}$	$1.157 \cdot 10^{-9}$	$6.912 \cdot 10^{-7}$
$d\bar{d} \rightarrow c\bar{c}$	$-3.381 \cdot 10^{-12}$	$-3.381 \cdot 10^{-12}$	$-5.916 \cdot 10^{-7}$	$4.676 \cdot 10^{-12}$	$4.676 \cdot 10^{-12}$	$-1.176 \cdot 10^{-6}$
$d\bar{d} \rightarrow e^+ e^-$	$-1.702 \cdot 10^{-12}$	$-1.702 \cdot 10^{-12}$	$-5.875 \cdot 10^{-7}$	$5.574 \cdot 10^{-13}$	$5.574 \cdot 10^{-13}$	$-1.166 \cdot 10^{-6}$
$d\bar{d} \rightarrow s\bar{s}$	$-3.276 \cdot 10^{-10}$	$-3.276 \cdot 10^{-10}$	$3.357 \cdot 10^{-7}$	$1.111 \cdot 10^{-9}$	$1.111 \cdot 10^{-9}$	$6.3 \cdot 10^{-7}$
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	$-2.159 \cdot 10^{-10}$	$-2.159 \cdot 10^{-10}$	$3.242 \cdot 10^{-7}$	$5.718 \cdot 10^{-10}$	$5.718 \cdot 10^{-10}$	$6.296 \cdot 10^{-7}$
$s\bar{s} \rightarrow s\bar{s}$	$-1.561 \cdot 10^{-8}$	$-1.561 \cdot 10^{-8}$	$3.203 \cdot 10^{-7}$	$1.678 \cdot 10^{-8}$	$1.678 \cdot 10^{-8}$	$5.96 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$2.067 \cdot 10^{-12}$	$2.067 \cdot 10^{-12}$	$-5.805 \cdot 10^{-7}$	$3.671 \cdot 10^{-12}$	$3.671 \cdot 10^{-12}$	$-1.171 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-1.308 \cdot 10^{-9}$	$-1.308 \cdot 10^{-9}$	$3.822 \cdot 10^{-7}$	$1.867 \cdot 10^{-9}$	$1.867 \cdot 10^{-9}$	$6.428 \cdot 10^{-7}$

$u\bar{d} \rightarrow \mu^+\nu_\mu$	$-1.596 \cdot 10^{-12}$	$-1.596 \cdot 10^{-12}$	$-5.639 \cdot 10^{-7}$	$2.986 \cdot 10^{-12}$	$2.986 \cdot 10^{-12}$	$-1.172 \cdot 10^{-6}$
$u\bar{d} \rightarrow c\bar{s}$	$-4.489 \cdot 10^{-10}$	$-4.489 \cdot 10^{-10}$	$3.119 \cdot 10^{-7}$	$1.249 \cdot 10^{-9}$	$1.249 \cdot 10^{-9}$	$6.406 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$1.031 \cdot 10^{-9}$	$1.031 \cdot 10^{-9}$	$-5.819 \cdot 10^{-7}$	$1.429 \cdot 10^{-10}$	$1.429 \cdot 10^{-10}$	$-1.189 \cdot 10^{-6}$

2.92 cdd8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow s\bar{s}$	0.04308	0.04308	0	0.02908	0.02908	0
$s\bar{s} \rightarrow s\bar{s}$	-0.09067	-0.09067	$-9.927 \cdot 10^{-8}$	0.1836	0.1836	$-2.179 \cdot 10^{-7}$

2.93 ceBIm11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow ze^+e^-$	$-1.123 \cdot 10^{-13}$	$-1.123 \cdot 10^{-13}$	0	$1.6 \cdot 10^{-7}$	$1.6 \cdot 10^{-7}$	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$8.948 \cdot 10^{-14}$	$8.948 \cdot 10^{-14}$	0	$7.908 \cdot 10^{-8}$	$7.908 \cdot 10^{-8}$	0
$H\gamma \rightarrow e^+e^-$	$-1.096 \cdot 10^{-23}$	$-1.096 \cdot 10^{-23}$	0	0.2474	0.2474	0
$d\bar{d} \rightarrow e^+e^-$	$7.932 \cdot 10^{-26}$	$7.932 \cdot 10^{-26}$	0	0.0003412	0.0003412	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	$-3.809 \cdot 10^{-24}$	$-3.809 \cdot 10^{-24}$	0	0.01187	0.01187	0
$e^+\nu_e \rightarrow e^+\nu_e$	$-2.18 \cdot 10^{-22}$	$-2.18 \cdot 10^{-22}$	0	0.0008839	0.0008839	0
$e^+\tau^- \rightarrow e^+\tau^-$	$-1.426 \cdot 10^{-14}$	$-1.426 \cdot 10^{-14}$	0	0.3931	0.3931	0
$e^+e^- \rightarrow \mu^+\mu^-$	$2.709 \cdot 10^{-24}$	$2.709 \cdot 10^{-24}$	0	0.001315	0.001315	0
$e^+e^- \rightarrow e^+e^-$	$-3.795 \cdot 10^{-22}$	$-3.795 \cdot 10^{-22}$	0	0.07331	0.07331	0

2.94 ceBIm22

interference	square
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	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$H z \rightarrow \mu^+ \mu^-$	$1.684 \cdot 10^{-8}$	$1.684 \cdot 10^{-8}$	0	0.1093	0.1093	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$1.989 \cdot 10^{-21}$	$1.989 \cdot 10^{-21}$	0	0.004184	0.004184	0
$b \bar{b} \rightarrow \mu^+ \mu^-$	$-1.869 \cdot 10^{-23}$	$-1.869 \cdot 10^{-23}$	0	0.000346	0.000346	0
$c \bar{c} \rightarrow \mu^+ \mu^-$	$2.945 \cdot 10^{-24}$	$2.945 \cdot 10^{-24}$	0	0.0006085	0.0006085	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	$1.01 \cdot 10^{-22}$	$1.01 \cdot 10^{-22}$	0	0.0006948	0.0006948	0

2.95 ceBIm33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$5.51 \cdot 10^{-21}$	$5.51 \cdot 10^{-21}$	0	0.00762	0.00762	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$2.23 \cdot 10^{-14}$	$2.23 \cdot 10^{-14}$	0	0.04664	0.04664	0
$t \bar{t} \rightarrow \tau^+ \tau^-$	$-1.899 \cdot 10^{-20}$	$-1.899 \cdot 10^{-20}$	0	0.001076	0.001076	0

2.96 ceBRe11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z e^+ e^-$	$-4.151 \cdot 10^{-13}$	$-4.151 \cdot 10^{-13}$	0	$4.936 \cdot 10^{-7}$	$4.936 \cdot 10^{-7}$	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-1.607 \cdot 10^{-12}$	$-1.607 \cdot 10^{-12}$	0	$2.455 \cdot 10^{-7}$	$2.455 \cdot 10^{-7}$	0
$H \gamma \rightarrow e^+ e^-$	$-6.656 \cdot 10^{-18}$	$-6.656 \cdot 10^{-18}$	0	0.3786	0.3786	0
$d \bar{d} \rightarrow e^+ e^-$	$-1.978 \cdot 10^{-10}$	$-1.978 \cdot 10^{-10}$	0	$4.904 \cdot 10^{-5}$	$4.904 \cdot 10^{-5}$	0
$e^+ \nu_\mu \rightarrow e^+ \nu_\mu$	$1.076 \cdot 10^{-8}$	$1.076 \cdot 10^{-8}$	0	0.001434	0.001434	0
$e^+ \nu_e \rightarrow e^+ \nu_e$	$3.451 \cdot 10^{-8}$	$3.451 \cdot 10^{-8}$	0	0.006406	0.006406	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$9.51 \cdot 10^{-9}$	$9.51 \cdot 10^{-9}$	0	0.02043	0.02043	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	$3.655 \cdot 10^{-8}$	$3.655 \cdot 10^{-8}$	0	0.009158	0.009158	0
$e^+ e^- \rightarrow e^+ e^-$	$1.311 \cdot 10^{-7}$	$1.311 \cdot 10^{-7}$	0	0.05218	0.05218	0

2.97 ceBRe22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$H z \rightarrow \mu^+ \mu^-$	$-9.112 \cdot 10^{-7}$	$-9.112 \cdot 10^{-7}$	0	0.1262	0.1262	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$5.258 \cdot 10^{-6}$	$5.258 \cdot 10^{-6}$	0	0.003621	0.003621	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	$3.301 \cdot 10^{-8}$	$3.301 \cdot 10^{-8}$	0	0.0003211	0.0003211	0
$c\bar{c} \rightarrow \mu^+ \mu^-$	$7.151 \cdot 10^{-7}$	$7.151 \cdot 10^{-7}$	0	0.0009011	0.0009011	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	$4.73 \cdot 10^{-6}$	$4.73 \cdot 10^{-6}$	0	0.0002494	0.0002494	0

2.98 ceBRe33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	0.0001492	0.0001492	0	0.00565	0.00565	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$-7.622 \cdot 10^{-5}$	$-7.622 \cdot 10^{-5}$	0	0.06895	0.06895	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-3.483 \cdot 10^{-5}$	$-3.483 \cdot 10^{-5}$	0	0.0001106	0.0001106	0

2.99 ceHIm11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ e^- \bar{\nu}_e$	$-3.7 \cdot 10^{-13}$	$-3.7 \cdot 10^{-13}$	0	$3.195 \cdot 10^{-7}$	$3.195 \cdot 10^{-7}$	0
$HH \rightarrow z e^+ e^-$	$8.003 \cdot 10^{-13}$	$8.003 \cdot 10^{-13}$	0	$1.927 \cdot 10^{-6}$	$1.927 \cdot 10^{-6}$	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-3.451 \cdot 10^{-13}$	$-3.451 \cdot 10^{-13}$	0	$5.332 \cdot 10^{-9}$	$5.332 \cdot 10^{-9}$	0
$H\gamma \rightarrow e^+ e^-$	$1.654 \cdot 10^{-23}$	$1.654 \cdot 10^{-23}$	0	0.003632	0.003632	0
$d\bar{d} \rightarrow e^+ e^-$	$-1.892 \cdot 10^{-33}$	$-1.892 \cdot 10^{-33}$	0	$2.274 \cdot 10^{-13}$	$2.274 \cdot 10^{-13}$	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$-1.681 \cdot 10^{-20}$	$-1.681 \cdot 10^{-20}$	0	$8.14 \cdot 10^{-8}$	$8.14 \cdot 10^{-8}$	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	$-2.88 \cdot 10^{-31}$	$-2.88 \cdot 10^{-31}$	0	$3.493 \cdot 10^{-10}$	$3.493 \cdot 10^{-10}$	0

$e^+e^- \rightarrow e^+e^-$	$-2.329 \cdot 10^{-24}$	$-2.329 \cdot 10^{-24}$	0	$6.104 \cdot 10^{-14}$	$6.104 \cdot 10^{-14}$	0
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2.100 ceHIm22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	$6.775 \cdot 10^{-8}$	$6.775 \cdot 10^{-8}$	0	0.02143	0.02143	0
$HZ \rightarrow \mu^+ \mu^-$	$4.306 \cdot 10^{-12}$	$4.306 \cdot 10^{-12}$	0	0.02035	0.02035	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$7.283 \cdot 10^{-26}$	$7.283 \cdot 10^{-26}$	0	$9.878 \cdot 10^{-8}$	$9.878 \cdot 10^{-8}$	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	$-1.635 \cdot 10^{-25}$	$-1.635 \cdot 10^{-25}$	0	$1.822 \cdot 10^{-7}$	$1.822 \cdot 10^{-7}$	0
$c\bar{c} \rightarrow \mu^+ \mu^-$	$-8.695 \cdot 10^{-28}$	$-8.695 \cdot 10^{-28}$	0	$1.682 \cdot 10^{-8}$	$1.682 \cdot 10^{-8}$	0
$e^+e^- \rightarrow \mu^+ \mu^-$	$-1.543 \cdot 10^{-32}$	$-1.543 \cdot 10^{-32}$	0	$8.169 \cdot 10^{-15}$	$8.169 \cdot 10^{-15}$	0

2.101 ceHIm33

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow H\tau^+\tau^-$	$1.935 \cdot 10^{-10}$	$1.935 \cdot 10^{-10}$	0	$2.168 \cdot 10^{-6}$	$2.168 \cdot 10^{-6}$	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$4.855 \cdot 10^{-28}$	$4.855 \cdot 10^{-28}$	0	$3.493 \cdot 10^{-10}$	$3.493 \cdot 10^{-10}$	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$2.122 \cdot 10^{-26}$	$2.122 \cdot 10^{-26}$	0	$6.731 \cdot 10^{-15}$	$6.731 \cdot 10^{-15}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-1.976 \cdot 10^{-21}$	$-1.976 \cdot 10^{-21}$	0	0.0002929	0.0002929	0

2.102 ceHRe11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+ e^- \bar{\nu}_e$	$-1.548 \cdot 10^{-11}$	$-1.548 \cdot 10^{-11}$	0	$1.114 \cdot 10^{-5}$	$1.114 \cdot 10^{-5}$	0
$HH \rightarrow ze^+e^-$	$2.873 \cdot 10^{-12}$	$2.873 \cdot 10^{-12}$	0	$9.617 \cdot 10^{-8}$	$9.617 \cdot 10^{-8}$	0

$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$2.623 \cdot 10^{-11}$	$2.623 \cdot 10^{-11}$	0	$4.01 \cdot 10^{-7}$	$4.01 \cdot 10^{-7}$	0
$H\gamma \rightarrow e^+ e^-$	$-1.435 \cdot 10^{-7}$	$-1.435 \cdot 10^{-7}$	0	0.001482	0.001482	0
$d\bar{d} \rightarrow e^+ e^-$	$-2.189 \cdot 10^{-17}$	$-2.189 \cdot 10^{-17}$	0	$2.274 \cdot 10^{-13}$	$2.274 \cdot 10^{-13}$	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$-1.877 \cdot 10^{-11}$	$-1.877 \cdot 10^{-11}$	0	$8.112 \cdot 10^{-8}$	$8.112 \cdot 10^{-8}$	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	$-3.397 \cdot 10^{-14}$	$-3.397 \cdot 10^{-14}$	0	$3.493 \cdot 10^{-10}$	$3.493 \cdot 10^{-10}$	0
$e^+ e^- \rightarrow e^+ e^-$	$5.279 \cdot 10^{-8}$	$5.279 \cdot 10^{-8}$	0	$9.382 \cdot 10^{-14}$	$9.382 \cdot 10^{-14}$	0

2.103 ceHRe22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	$-1.158 \cdot 10^{-5}$	$-1.158 \cdot 10^{-5}$	0	0.02107	0.02107	0
$H\gamma \rightarrow \mu^+ \mu^-$	$-1.313 \cdot 10^{-6}$	$-1.313 \cdot 10^{-6}$	0	0.02045	0.02045	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$-1.957 \cdot 10^{-9}$	$-1.957 \cdot 10^{-9}$	0	$9.878 \cdot 10^{-8}$	$9.878 \cdot 10^{-8}$	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	$-3.662 \cdot 10^{-9}$	$-3.662 \cdot 10^{-9}$	0	$1.822 \cdot 10^{-7}$	$1.822 \cdot 10^{-7}$	0
$c\bar{c} \rightarrow \mu^+ \mu^-$	$-3.336 \cdot 10^{-10}$	$-3.336 \cdot 10^{-10}$	0	$1.682 \cdot 10^{-8}$	$1.682 \cdot 10^{-8}$	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	$-1.611 \cdot 10^{-16}$	$-1.611 \cdot 10^{-16}$	0	$8.169 \cdot 10^{-15}$	$8.169 \cdot 10^{-15}$	0

2.104 ceHRe33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow H\tau^+ \tau^-$	$-1.273 \cdot 10^{-8}$	$-1.273 \cdot 10^{-8}$	0	$1.296 \cdot 10^{-7}$	$1.296 \cdot 10^{-7}$	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$-1.163 \cdot 10^{-10}$	$-1.163 \cdot 10^{-10}$	0	$3.492 \cdot 10^{-10}$	$3.492 \cdot 10^{-10}$	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$-5.685 \cdot 10^{-15}$	$-5.685 \cdot 10^{-15}$	0	$6.658 \cdot 10^{-15}$	$6.658 \cdot 10^{-15}$	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-9.778 \cdot 10^{-5}$	$-9.778 \cdot 10^{-5}$	0	0.0002929	0.0002929	0

2.105 ceWIm22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	$-2.356 \cdot 10^{-8}$	$-2.356 \cdot 10^{-8}$	0	0.4923	0.4923	0
$HZ \rightarrow \mu^+ \mu^-$	$-3.739 \cdot 10^{-8}$	$-3.739 \cdot 10^{-8}$	0	0.3173	0.3173	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$7.611 \cdot 10^{-22}$	$7.611 \cdot 10^{-22}$	0	0.005072	0.005072	0
$b\bar{b} \rightarrow \mu^+ \mu^-$	$-2.333 \cdot 10^{-23}$	$-2.333 \cdot 10^{-23}$	0	0.001715	0.001715	0
$c\bar{c} \rightarrow \mu^+ \mu^-$	$-2.17 \cdot 10^{-23}$	$-2.17 \cdot 10^{-23}$	0	0.001385	0.001385	0
$e^+ \nu_e \rightarrow \mu^+ \nu_\mu$	$1.059 \cdot 10^{-22}$	$1.059 \cdot 10^{-22}$	0	0.01273	0.01273	0
$e^+ e^- \rightarrow \mu^+ \mu^-$	$-1.597 \cdot 10^{-22}$	$-1.597 \cdot 10^{-22}$	0	0.00373	0.00373	0
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	$-2.351 \cdot 10^{-23}$	$-2.351 \cdot 10^{-23}$	0	0.004355	0.004355	0

2.106 ceWIm33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	$1.441 \cdot 10^{-21}$	$1.441 \cdot 10^{-21}$	0	0.006229	0.006229	0
$c\bar{s} \rightarrow \tau^+ \nu_\tau$	$-2.245 \cdot 10^{-21}$	$-2.245 \cdot 10^{-21}$	0	0.003766	0.003766	0
$e^+ \tau^- \rightarrow e^+ \tau^-$	$4.334 \cdot 10^{-14}$	$4.334 \cdot 10^{-14}$	0	0.01407	0.01407	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-5.267 \cdot 10^{-20}$	$-5.267 \cdot 10^{-20}$	0	0.0007184	0.0007184	0

2.107 ceWRe11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ e^- \bar{\nu}_e$	$-1.055 \cdot 10^{-11}$	$-1.055 \cdot 10^{-11}$	0	$1.342 \cdot 10^{-7}$	$1.342 \cdot 10^{-7}$	0
$HH \rightarrow z e^+ e^-$	$-4.463 \cdot 10^{-13}$	$-4.463 \cdot 10^{-13}$	0	$3.744 \cdot 10^{-7}$	$3.744 \cdot 10^{-7}$	0
$HW^- \rightarrow \gamma e^- \bar{\nu}_e$	$-1.177 \cdot 10^{-12}$	$-1.177 \cdot 10^{-12}$	0	$1.174 \cdot 10^{-6}$	$1.174 \cdot 10^{-6}$	0
$H\gamma \rightarrow e^+ e^-$	$1.822 \cdot 10^{-18}$	$1.822 \cdot 10^{-18}$	0	0.2223	0.2223	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-1.645 \cdot 10^{-8}$	$-1.645 \cdot 10^{-8}$	0	0.00207	0.00207	0

$d\bar{d} \rightarrow e^+e^-$	$1.011 \cdot 10^{-9}$	$1.011 \cdot 10^{-9}$	0	0.0005455	0.0005455	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	$2.051 \cdot 10^{-7}$	$2.051 \cdot 10^{-7}$	0	0.1562	0.1562	0
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	$-3.01 \cdot 10^{-8}$	$-3.01 \cdot 10^{-8}$	0	0.01257	0.01257	0
$e^+\nu_e \rightarrow e^+\nu_e$	$-6.01 \cdot 10^{-9}$	$-6.01 \cdot 10^{-9}$	0	0.00236	0.00236	0
$e^+\tau^- \rightarrow e^+\tau^-$	$1.388 \cdot 10^{-7}$	$1.388 \cdot 10^{-7}$	0	0.2266	0.2266	0
$e^+e^- \rightarrow \mu^+\mu^-$	$-2.763 \cdot 10^{-8}$	$-2.763 \cdot 10^{-8}$	0	0.004821	0.004821	0
$e^+e^- \rightarrow e^+e^-$	$-6.196 \cdot 10^{-9}$	$-6.196 \cdot 10^{-9}$	0	0.1347	0.1347	0

2.108 ceWRe22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HW^- \rightarrow \mu^- \bar{\nu}_\mu$	$-1.238 \cdot 10^{-5}$	$-1.238 \cdot 10^{-5}$	0	0.6806	0.6806	0
$HZ \rightarrow \mu^+\mu^-$	$-1.702 \cdot 10^{-6}$	$-1.702 \cdot 10^{-6}$	0	0.1039	0.1039	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	$-3.283 \cdot 10^{-6}$	$-3.283 \cdot 10^{-6}$	0	0.002282	0.002282	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-1.413 \cdot 10^{-6}$	$-1.413 \cdot 10^{-6}$	0	0.0006418	0.0006418	0
$c\bar{c} \rightarrow \mu^+\mu^-$	$-1.1 \cdot 10^{-6}$	$-1.1 \cdot 10^{-6}$	0	0.002179	0.002179	0
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	$-6.225 \cdot 10^{-6}$	$-6.225 \cdot 10^{-6}$	0	0.01257	0.01257	0
$e^+e^- \rightarrow \mu^+\mu^-$	$-5.713 \cdot 10^{-6}$	$-5.713 \cdot 10^{-6}$	0	0.004821	0.004821	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$-1.819 \cdot 10^{-6}$	$-1.819 \cdot 10^{-6}$	0	0.004352	0.004352	0

2.109 ceWRe33

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	$-5.043 \cdot 10^{-5}$	$-5.043 \cdot 10^{-5}$	0	0.0005002	0.0005002	0
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$-3.681 \cdot 10^{-5}$	$-3.681 \cdot 10^{-5}$	0	0.004056	0.004056	0
$e^+\tau^- \rightarrow e^+\tau^-$	$7.313 \cdot 10^{-5}$	$7.313 \cdot 10^{-5}$	0	0.05191	0.05191	0
$t\bar{t} \rightarrow \tau^+\tau^-$	$-4.896 \cdot 10^{-5}$	$-4.896 \cdot 10^{-5}$	0	0.001581	0.001581	0

2.110 ced11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \rightarrow e^+e^-$	0.0004386	0.0004386	0	0.005371	0.005371	0

2.111 cee1111

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+e^- \rightarrow e^+e^-$	-0.1786	-0.1786	0	3.425	3.425	0

2.112 cee1122

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+e^- \rightarrow \mu^+\mu^-$	0.05156	0.05156	0	0.2104	0.2104	0

2.113 cee1133

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+\tau^- \rightarrow e^+\tau^-$	-2.087	-2.087	0	0.8202	0.8202	0

2.114 cee2233

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

$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.03998	0.03998	0	0.1632	0.1632	0
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2.115 ceu22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.026	-0.026	0	0.1592	0.1592	0

2.116 cjQbd1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	$-1.003 \cdot 10^{-15}$	$-1.003 \cdot 10^{-15}$	$-5.981 \cdot 10^{-7}$	$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.181 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$3.949 \cdot 10^{-28}$	$-2.334 \cdot 10^{-28}$	1.591	$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$

2.117 cjQbd1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	$5.955 \cdot 10^{-12}$	$5.955 \cdot 10^{-12}$	$-5.878 \cdot 10^{-7}$	$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$1.37 \cdot 10^{-11}$	$1.37 \cdot 10^{-11}$	$-5.839 \cdot 10^{-7}$	$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$

2.118 cjQbd8Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	$-1.34 \cdot 10^{-15}$	$-1.34 \cdot 10^{-15}$	$-5.972 \cdot 10^{-7}$	$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.126 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$1.118 \cdot 10^{-28}$	$-3.278 \cdot 10^{-28}$	3.932	$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$

2.119 cjQbd8Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$7.864 \cdot 10^{-12}$	$7.864 \cdot 10^{-12}$	$-5.977 \cdot 10^{-7}$	$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.188 \cdot 10^{-6}$
$\bar{b}\bar{b} \rightarrow d\bar{d}$	$1.58 \cdot 10^{-11}$	$1.58 \cdot 10^{-11}$	$-5.697 \cdot 10^{-7}$	$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$

2.120 cjQtu1Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$8.542 \cdot 10^{-15}$	$8.542 \cdot 10^{-15}$	$-7.258 \cdot 10^{-7}$	$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.429 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$-3.884 \cdot 10^{-21}$	$6.998 \cdot 10^{-22}$	1.18	0.0001065	0.0001065	$2.817 \cdot 10^{-7}$

2.121 cjQtu1Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$5.062 \cdot 10^{-11}$	$5.062 \cdot 10^{-11}$	$-7.309 \cdot 10^{-7}$	$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.494 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$3.126 \cdot 10^{-5}$	$3.126 \cdot 10^{-5}$	$1.279 \cdot 10^{-7}$	0.0001065	0.0001065	$2.817 \cdot 10^{-7}$

2.122 cjQtu8Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$1.15 \cdot 10^{-14}$	$1.15 \cdot 10^{-14}$	$-6.954 \cdot 10^{-7}$	$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.433 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$-2.39 \cdot 10^{-21}$	$-1.354 \cdot 10^{-21}$	0.4334	$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.957 \cdot 10^{-7}$

2.123 cjQtu8Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$6.748 \cdot 10^{-11}$	$6.748 \cdot 10^{-11}$	$-7.262 \cdot 10^{-7}$	$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$4.669 \cdot 10^{-5}$	$4.669 \cdot 10^{-5}$	$1.499 \cdot 10^{-7}$	$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.957 \cdot 10^{-7}$

2.124 cjd1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	-0.008174	-0.008174	0	0.6125	0.6125	0
$d\bar{d} \rightarrow s\bar{s}$	-0.0226	-0.0226	0	1.629	1.629	0
$s\bar{s} \rightarrow s\bar{s}$	0.1304	0.1304	0	2.068	2.068	0
$u\bar{d} \rightarrow u\bar{d}$	0.2004	0.2004	0	1	1	0

2.125 cjd8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	0.2628	0.2628	0	0.08869	0.08869	0
$d\bar{d} \rightarrow s\bar{s}$	0.2942	0.2942	0	0.09929	0.09929	0
$s\bar{s} \rightarrow s\bar{s}$	-1.002	-1.002	0	0.6965	0.6965	0
$u\bar{d} \rightarrow u\bar{d}$	-0.6607	-0.6607	0	0.2222	0.2222	0

2.126 cje11

interference square

	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow e^+e^-$	-0.0001356	-0.0001356	0	0.003258	0.003258	0

2.127 cje22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.0003323	-0.0003323	0	0.008297	0.008297	0

2.128 cjj11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	-0.05635	-0.05635	0	0.5424	0.5424	0
$d\bar{d} \rightarrow s\bar{s}$	0.1233	0.1233	0	1.112	1.112	0
$s\bar{s} \rightarrow s\bar{s}$	-0.06359	-0.06359	0	0.65	0.65	0
$u\bar{d} \rightarrow u\bar{d}$	$7.881 \cdot 10^{-6}$	$7.881 \cdot 10^{-6}$	0	$4.519 \cdot 10^{-5}$	$4.519 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow c\bar{c}$	0.03528	0.03528	0	0.3191	0.3191	0
$u\bar{u} \rightarrow u\bar{u}$	-3.672	-3.672	0	5.231	5.231	0

2.129 cjj18

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	1.111	1.111	0	0.7498	0.7498	0
$d\bar{d} \rightarrow s\bar{s}$	0.5251	0.5251	$-1.905 \cdot 10^{-8}$	0.3544	0.3544	0
$s\bar{s} \rightarrow s\bar{s}$	-0.3866	-0.3866	0	0.3552	0.3552	$-2.815 \cdot 10^{-8}$
$u\bar{d} \rightarrow u\bar{d}$	-8.166	-8.166	0	0.6877	0.6877	0

$u\bar{u} \rightarrow c\bar{c}$	0.08014	0.08014	$-1.248 \cdot 10^{-8}$	0.05409	0.05409	0
$u\bar{u} \rightarrow u\bar{u}$	-0.1482	-0.1482	0	0.2185	0.2185	0

2.130 cjj31

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \rightarrow c\bar{c}$	0.2885	0.2885	0	2.777	2.777	0
$d\bar{d} \rightarrow s\bar{s}$	0.001498	0.001498	0	0.01352	0.01352	0
$s\bar{s} \rightarrow s\bar{s}$	-4.068	-4.068	0	5.437	5.437	0
$u\bar{d} \rightarrow c\bar{s}$	1.156	1.156	0	10.77	10.77	0
$u\bar{d} \rightarrow u\bar{d}$	-1.058	-1.058	0	2.127	2.127	0
$u\bar{u} \rightarrow c\bar{c}$	0.4405	0.4405	0	3.984	3.984	0
$u\bar{u} \rightarrow u\bar{u}$	-285.3	-285.3	0	10.45	10.45	0

2.131 cjj38

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \rightarrow c\bar{c}$	-0.04247	-0.04247	$2.355 \cdot 10^{-8}$	0.02866	0.02866	0
$d\bar{d} \rightarrow s\bar{s}$	1.285	1.285	0	0.8675	0.8675	0
$s\bar{s} \rightarrow s\bar{s}$	-0.7563	-0.7563	$-9.256 \cdot 10^{-8}$	0.4801	0.4801	$-1.875 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$-4.669 \cdot 10^{-8}$	$1.802 \cdot 10^{-17}$	1	2.901	2.901	0
$u\bar{d} \rightarrow u\bar{d}$	0.6646	0.6646	$6.019 \cdot 10^{-8}$	0.9463	0.9463	$8.454 \cdot 10^{-8}$
$u\bar{u} \rightarrow c\bar{c}$	1.316	1.316	0	0.8883	0.8883	0
$u\bar{u} \rightarrow u\bar{u}$	$-3.092 \cdot 10^4$	$-3.092 \cdot 10^4$	$-9.704 \cdot 10^{-8}$	1.185	1.185	$-1.688 \cdot 10^{-7}$

2.132 cjtQd1Im

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$5.678 \cdot 10^{-15}$	$5.678 \cdot 10^{-15}$	$-5.812 \cdot 10^{-7}$	$1.433 \cdot 10^{-11}$	$1.433 \cdot 10^{-11}$	$-1.186 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$8.809 \cdot 10^{-28}$	$5.584 \cdot 10^{-28}$	0.3661	$1.783 \cdot 10^{-10}$	$1.783 \cdot 10^{-10}$	$-1.178 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-2.539 \cdot 10^{-24}$	$-3.023 \cdot 10^{-24}$	-0.1909	$4.47 \cdot 10^{-9}$	$4.47 \cdot 10^{-9}$	$6.488 \cdot 10^{-7}$

2.133 cjtQd1Re

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-1.1 \cdot 10^{-10}$	$-1.1 \cdot 10^{-10}$	$-6.364 \cdot 10^{-7}$	$1.518 \cdot 10^{-10}$	$1.518 \cdot 10^{-10}$	$-1.186 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$-9.692 \cdot 10^{-11}$	$-9.692 \cdot 10^{-11}$	$-5.881 \cdot 10^{-7}$	$2.71 \cdot 10^{-10}$	$2.71 \cdot 10^{-10}$	$-1.181 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-4.503 \cdot 10^{-8}$	$-4.503 \cdot 10^{-8}$	$3.331 \cdot 10^{-7}$	$1.308 \cdot 10^{-7}$	$1.308 \cdot 10^{-7}$	$6.88 \cdot 10^{-7}$

2.134 cjtQd8Im

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$8.047 \cdot 10^{-15}$	$8.047 \cdot 10^{-15}$	$-5.841 \cdot 10^{-7}$	$3.596 \cdot 10^{-12}$	$3.596 \cdot 10^{-12}$	$-1.168 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$7.401 \cdot 10^{-27}$	$4.152 \cdot 10^{-27}$	0.439	$4.9 \cdot 10^{-12}$	$4.9 \cdot 10^{-12}$	$-1.184 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$8.348 \cdot 10^{-25}$	$3.206 \cdot 10^{-24}$	-2.841	$2.386 \cdot 10^{-8}$	$2.386 \cdot 10^{-8}$	$6.288 \cdot 10^{-7}$

2.135 cjtQd8Re

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-9.907 \cdot 10^{-11}$	$-9.907 \cdot 10^{-11}$	$-5.854 \cdot 10^{-7}$	$1.542 \cdot 10^{-11}$	$1.542 \cdot 10^{-11}$	$-1.167 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$-2.374 \cdot 10^{-10}$	$-2.374 \cdot 10^{-10}$	$-5.897 \cdot 10^{-7}$	$3.977 \cdot 10^{-11}$	$3.977 \cdot 10^{-11}$	$-1.182 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-1.155 \cdot 10^{-7}$	$-1.155 \cdot 10^{-7}$	$3.463 \cdot 10^{-7}$	$2.384 \cdot 10^{-8}$	$2.384 \cdot 10^{-8}$	$6.291 \cdot 10^{-7}$

2.136 cju1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	0.0001843	0.0001843	0	0.006655	0.006655	0
$u\bar{d} \rightarrow u\bar{d}$	-0.1884	-0.1884	0	1	1	0
$u\bar{u} \rightarrow c\bar{c}$	0.03029	0.03029	0	1.135	1.135	0
$u\bar{u} \rightarrow u\bar{u}$	-0.08073	-0.08073	0	2.651	2.651	0

2.137 cju8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	0.3488	0.3488	0	0.1177	0.1177	0
$u\bar{d} \rightarrow u\bar{d}$	-1.334	-1.334	0	0.2222	0.2222	0
$u\bar{u} \rightarrow c\bar{c}$	0.7495	0.7495	0	0.2529	0.2529	0
$u\bar{u} \rightarrow u\bar{u}$	-20.65	-20.65	0	0.4463	0.4463	0

2.138 cjuQb1Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-3.197 \cdot 10^{-16}$	$-3.197 \cdot 10^{-16}$	$-7.195 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
$\bar{b}b \rightarrow u\bar{u}$	$7.012 \cdot 10^{-31}$	$1.402 \cdot 10^{-30}$	-0.9999	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$

2.139 cjuQb1Re

interference square

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-1.902 \cdot 10^{-12}$	$-1.902 \cdot 10^{-12}$	$-7.36 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.429 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-3.733 \cdot 10^{-12}$	$-3.733 \cdot 10^{-12}$	$-7.233 \cdot 10^{-7}$	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$

2.140 cjuQb8Im

	mod1	mod2	interference	mod1	mod2	square
			1 − mod2/mod1			1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-2.031 \cdot 10^{-29}$	$-8.296 \cdot 10^{-30}$	0.5915	$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$4.595 \cdot 10^{-29}$	$-1.256 \cdot 10^{-29}$	1.273	$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$

2.141 cjuQb8Re

	mod1	mod2	interference	mod1	mod2	square
			1 − mod2/mod1			1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-2.666 \cdot 10^{-29}$	$-2.314 \cdot 10^{-29}$	0.1319	$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$6.282 \cdot 10^{-14}$	$6.282 \cdot 10^{-14}$	$-7.322 \cdot 10^{-7}$	$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$

2.142 cjuid11Im

	mod1	mod2	interference	mod1	mod2	square
			1 − mod2/mod1			1 − mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	$-8.274 \cdot 10^{-31}$	$-6.89 \cdot 10^{-31}$	0.1672	$1.279 \cdot 10^{-14}$	$1.279 \cdot 10^{-14}$	$-5.474 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$-1.506 \cdot 10^{-19}$	$-1.506 \cdot 10^{-19}$	$-2.656 \cdot 10^{-7}$	$1.567 \cdot 10^{-16}$	$1.567 \cdot 10^{-16}$	$-5.743 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-7.932 \cdot 10^{-35}$	$-8.066 \cdot 10^{-35}$	-0.01693	$1.214 \cdot 10^{-19}$	$1.214 \cdot 10^{-19}$	$-2.636 \cdot 10^{-6}$

2.143 cjuid11Re

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	$-2.104 \cdot 10^{-15}$	$-2.104 \cdot 10^{-15}$	$-3.326 \cdot 10^{-7}$	$5.158 \cdot 10^{-15}$	$5.158 \cdot 10^{-15}$	$-6.01 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$-3.341 \cdot 10^{-15}$	$-3.341 \cdot 10^{-15}$	$-2.993 \cdot 10^{-7}$	$2.526 \cdot 10^{-15}$	$2.526 \cdot 10^{-15}$	$-5.939 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-1.748 \cdot 10^{-20}$	$-1.748 \cdot 10^{-20}$	$-1.373 \cdot 10^{-6}$	$7.476 \cdot 10^{-20}$	$7.476 \cdot 10^{-20}$	$-2.662 \cdot 10^{-6}$

2.144 cjuid1Re

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	$-3.863 \cdot 10^{-14}$	$-3.863 \cdot 10^{-14}$	$-3.107 \cdot 10^{-7}$	$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	$-5.747 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$-1.922 \cdot 10^{-14}$	$-1.922 \cdot 10^{-14}$	$-3.122 \cdot 10^{-7}$	$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	$-5.949 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$1.483 \cdot 10^{-20}$	$1.483 \cdot 10^{-20}$	$-1.281 \cdot 10^{-6}$	$1.472 \cdot 10^{-19}$	$1.472 \cdot 10^{-19}$	$-2.65 \cdot 10^{-6}$

2.145 cjuid81Im

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	$-6.014 \cdot 10^{-31}$	$-2.485 \cdot 10^{-31}$	0.5868	$1.698 \cdot 10^{-15}$	$1.698 \cdot 10^{-15}$	$-5.89 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$-1.04 \cdot 10^{-18}$	$-1.04 \cdot 10^{-18}$	$-2.885 \cdot 10^{-7}$	$1.095 \cdot 10^{-15}$	$1.095 \cdot 10^{-15}$	$-5.479 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-4.642 \cdot 10^{-35}$	$-4.496 \cdot 10^{-35}$	0.03157	$1.635 \cdot 10^{-20}$	$1.635 \cdot 10^{-20}$	$-2.691 \cdot 10^{-6}$

2.146 cjuid81Re

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	$-8.758 \cdot 10^{-15}$	$-8.758 \cdot 10^{-15}$	$-2.969 \cdot 10^{-7}$	$9.06 \cdot 10^{-16}$	$9.06 \cdot 10^{-16}$	$-5.96 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$-7.796 \cdot 10^{-15}$	$-7.796 \cdot 10^{-15}$	$-2.95 \cdot 10^{-7}$	$1.756 \cdot 10^{-15}$	$1.756 \cdot 10^{-15}$	$-6.263 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$1.138 \cdot 10^{-19}$	$1.138 \cdot 10^{-19}$	$-1.318 \cdot 10^{-6}$	$1.164 \cdot 10^{-20}$	$1.164 \cdot 10^{-20}$	$-2.664 \cdot 10^{-6}$

2.147 cjugd8Im

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	$-5.517 \cdot 10^{-33}$	$-5.517 \cdot 10^{-33}$	$-3.625 \cdot 10^{-8}$	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-6.112 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$8.765 \cdot 10^{-32}$	$4.631 \cdot 10^{-32}$	0.4717	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-5.636 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-6.938 \cdot 10^{-36}$	$-6.517 \cdot 10^{-36}$	0.06076	$1.312 \cdot 10^{-20}$	$1.312 \cdot 10^{-20}$	$-2.667 \cdot 10^{-6}$

2.148 cjugd8Re

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow c\bar{c}$	$5.953 \cdot 10^{-16}$	$5.953 \cdot 10^{-16}$	$-2.856 \cdot 10^{-7}$	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-6.112 \cdot 10^{-7}$
$u\bar{d} \rightarrow c\bar{s}$	$-3.51 \cdot 10^{-31}$	$-3.14 \cdot 10^{-39}$	1	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-6.105 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$6.838 \cdot 10^{-20}$	$6.838 \cdot 10^{-20}$	$-1.345 \cdot 10^{-6}$	$1.115 \cdot 10^{-20}$	$1.115 \cdot 10^{-20}$	$-2.69 \cdot 10^{-6}$

2.149 cld11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow e^+e^-$	$4.402 \cdot 10^{-5}$	$4.402 \cdot 10^{-5}$	0	0.001085	0.001085	0

2.150 cld33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	0.0001424	0.0001424	0	0.003465	0.003465	0

2.151 cle1111

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+\nu_e \rightarrow e^+\nu_e$	-0.1213	-0.1213	0	1	1	0
$e^+e^- \rightarrow e^+e^-$	-0.2046	-0.2046	0	3.076	3.076	0

2.152 cle1122

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+e^- \rightarrow \mu^+\mu^-$	0.002427	0.002427	0	0.01994	0.01994	0

2.153 cle1133

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+\tau^- \rightarrow e^+\tau^-$	-0.6753	-0.6753	0	1	1	0

2.154 cle1221

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	$1.791 \cdot 10^{-9}$	$1.791 \cdot 10^{-9}$	0	1	1	0
$e^+e^- \rightarrow \mu^+\mu^-$	$3.554 \cdot 10^{-9}$	$3.554 \cdot 10^{-9}$	0	2	2	0

2.155 cle1331

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$e^+\tau^- \rightarrow e^+\tau^-$	$-1.746 \cdot 10^{-8}$	$-1.746 \cdot 10^{-8}$	0	0.06872	0.06872	0

2.156 cle2211

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	-0.4958	-0.4958	0	1	1	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.05782	0.05782	0	0.4751	0.4751	0

2.157 cle2332

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	$1.241 \cdot 10^{-5}$	$1.241 \cdot 10^{-5}$	0	2	2	0

2.158 cle3311

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$e^+\tau^- \rightarrow e^+\tau^-$	-0.1546	-0.1546	0	1	1	0

2.159 cle3322

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.05422	0.05422	0	0.4455	0.4455	0

2.160 cleQt1Im11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$8.145 \cdot 10^{-11}$	$8.145 \cdot 10^{-11}$	0	0.08333	0.08333	0

2.161 cleQt1Re11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$4.866 \cdot 10^{-7}$	$4.866 \cdot 10^{-7}$	0	0.08333	0.08333	0

2.162 cleQt1Re33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+ \tau^-$	0.003358	0.003358	0	0.1668	0.1668	0

2.163 cleQt3Im11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-1.702 \cdot 10^{-10}$	$-1.702 \cdot 10^{-10}$	0	0.4257	0.4257	0

2.164 cleQt3Im33

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

$t\bar{t} \rightarrow \tau^+\tau^-$	$1.326 \cdot 10^{-18}$	$1.326 \cdot 10^{-18}$	0	2.65	2.65	0
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2.165 cleQt3Re11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	$-1.064 \cdot 10^{-6}$	$-1.064 \cdot 10^{-6}$	0	0.4678	0.4678	0

2.166 cleQt3Re33

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	0.01008	0.01008	0	1.51	1.51	0

2.167 clebQIm11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	$-2.051 \cdot 10^{-12}$	$-2.051 \cdot 10^{-12}$	0	0.08333	0.08333	0

2.168 clebQIm22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \mu^+\mu^-$	$7.087 \cdot 10^{-23}$	$7.087 \cdot 10^{-23}$	0	0.1667	0.1667	0

2.169 clebQRe11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-1.207 \cdot 10^{-8}$	$-1.207 \cdot 10^{-8}$	0	0.08333	0.08333	0

2.170 clebQRe22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \mu^+ \mu^-$	$-4.912 \cdot 10^{-6}$	$-4.912 \cdot 10^{-6}$	0	0.1667	0.1667	0

2.171 cledjIm11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow e^+ e^-$	$2.519 \cdot 10^{-38}$	$-2.568 \cdot 10^{-34}$	$1.02 \cdot 10^4$	$1.199 \cdot 10^{-10}$	$1.199 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$

2.172 cledjIm22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	$1.227 \cdot 10^{-17}$	$1.227 \cdot 10^{-17}$	$-5.707 \cdot 10^{-7}$	$5.996 \cdot 10^{-11}$	$5.996 \cdot 10^{-11}$	$-1.168 \cdot 10^{-6}$

2.173 cledjIm33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{s} \rightarrow \tau^+ \nu_\tau$	$8.162 \cdot 10^{-14}$	$8.162 \cdot 10^{-14}$	$3.063 \cdot 10^{-7}$	$2.378 \cdot 10^{-8}$	$2.378 \cdot 10^{-8}$	$6.308 \cdot 10^{-7}$

2.174 cledjRe11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow e^+e^-$	$-7.076 \cdot 10^{-16}$	$-7.076 \cdot 10^{-16}$	$-5.794 \cdot 10^{-7}$	$1.199 \cdot 10^{-10}$	$1.199 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$

2.175 cledjRe22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$-7.304 \cdot 10^{-14}$	$-7.304 \cdot 10^{-14}$	$-5.888 \cdot 10^{-7}$	$5.996 \cdot 10^{-11}$	$5.996 \cdot 10^{-11}$	$-1.184 \cdot 10^{-6}$

2.176 cledjRe33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$-4.861 \cdot 10^{-10}$	$-4.861 \cdot 10^{-10}$	$3.086 \cdot 10^{-7}$	$2.378 \cdot 10^{-8}$	$2.378 \cdot 10^{-8}$	$6.308 \cdot 10^{-7}$

2.177 cleju1Im22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{c} \rightarrow \mu^+\mu^-$	$-9.166 \cdot 10^{-26}$	$2.344 \cdot 10^{-28}$	1.003	$8.868 \cdot 10^{-6}$	$8.868 \cdot 10^{-6}$	$2.706 \cdot 10^{-7}$
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$-2.63 \cdot 10^{-18}$	$-2.63 \cdot 10^{-18}$	$-7.224 \cdot 10^{-7}$	$1.283 \cdot 10^{-11}$	$1.283 \cdot 10^{-11}$	$-1.481 \cdot 10^{-6}$

2.178 cleju1Im33

interference	square
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	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$-1.518 \cdot 10^{-11}$	$-1.518 \cdot 10^{-11}$	$1.318 \cdot 10^{-7}$	$4.434 \cdot 10^{-6}$	$4.434 \cdot 10^{-6}$	$2.932 \cdot 10^{-7}$

2.179 cleju1Re22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{c} \rightarrow \mu^+\mu^-$	$1.087 \cdot 10^{-8}$	$1.087 \cdot 10^{-8}$	$9.203 \cdot 10^{-8}$	$8.868 \cdot 10^{-6}$	$8.868 \cdot 10^{-6}$	$2.819 \cdot 10^{-7}$
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$1.558 \cdot 10^{-14}$	$1.558 \cdot 10^{-14}$	$-7.06 \cdot 10^{-7}$	$1.283 \cdot 10^{-11}$	$1.283 \cdot 10^{-11}$	$-1.481 \cdot 10^{-6}$

2.180 cleju1Re33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$9.08 \cdot 10^{-8}$	$9.08 \cdot 10^{-8}$	$1.432 \cdot 10^{-7}$	$4.434 \cdot 10^{-6}$	$4.434 \cdot 10^{-6}$	$2.706 \cdot 10^{-7}$

2.181 cleju3Im22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{c} \rightarrow \mu^+\mu^-$	$2.781 \cdot 10^{-24}$	$4.242 \cdot 10^{-24}$	-0.5251	$6.356 \cdot 10^{-5}$	$6.356 \cdot 10^{-5}$	$2.675 \cdot 10^{-7}$
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$5.608 \cdot 10^{-18}$	$5.608 \cdot 10^{-18}$	$-7.311 \cdot 10^{-7}$	$6.451 \cdot 10^{-11}$	$6.451 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$

2.182 cleju3Im33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$4.942 \cdot 10^{-12}$	$4.942 \cdot 10^{-12}$	$1.416 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$2.722 \cdot 10^{-7}$

2.183 cleju3Re22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{c} \rightarrow \mu^+\mu^-$	$-2.497 \cdot 10^{-8}$	$-2.497 \cdot 10^{-8}$	$1.201 \cdot 10^{-7}$	$5.175 \cdot 10^{-5}$	$5.175 \cdot 10^{-5}$	$2.899 \cdot 10^{-7}$
$u\bar{d} \rightarrow \mu^+\nu_\mu$	$-1.573 \cdot 10^{-15}$	$-1.573 \cdot 10^{-15}$	$-6.991 \cdot 10^{-7}$	$4.224 \cdot 10^{-13}$	$4.224 \cdot 10^{-13}$	$-1.444 \cdot 10^{-6}$

2.184 cleju3Re33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{s} \rightarrow \tau^+\nu_\tau$	$-2.93 \cdot 10^{-8}$	$-2.93 \cdot 10^{-8}$	$1.365 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$7.348 \cdot 10^{-7}$	$2.722 \cdot 10^{-7}$

2.185 clj111

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow e^+e^-$	0.005129	0.005129	0	0.02645	0.02645	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	$3.575 \cdot 10^{-5}$	$3.575 \cdot 10^{-5}$	0	0.0001839	0.0001839	0

2.186 clj122

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.05026	-0.05026	0	0.2144	0.2144	0

2.187 clj133

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	-0.05992	-0.05992	0	0.2544	0.2544	0

2.188 clj311

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$d\bar{d} \rightarrow e^+ e^-$	0.02022	0.02022	0	0.1043	0.1043	0
$u\bar{u} \rightarrow \nu_e \bar{\nu}_e$	0.02213	0.02213	0	0.1138	0.1138	0

2.189 clj322

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{c} \rightarrow \mu^+ \mu^-$	0.03732	0.03732	0	0.1592	0.1592	0
$u\bar{d} \rightarrow \mu^+ \nu_\mu$	0.04479	0.04479	0	0.2088	0.2088	0

2.190 clj333

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$c\bar{s} \rightarrow \tau^+ \nu_\tau$	0.01867	0.01867	0	0.087	0.087	0
$s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$	0.02416	0.02416	0	0.1026	0.1026	0

2.191 cll1111

interference square

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$e^+\nu_e \rightarrow e^+\nu_e$	1.927	1.927	0	2.848	2.848	0
$e^+e^- \rightarrow e^+e^-$	−0.3455	−0.3455	0	4.509	4.509	0

2.192 cll1122

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	0.2638	0.2638	0	0.9535	0.9535	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0.03331	0.03331	0	0.1392	0.1392	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.03469	0.03469	0	0.1261	0.1261	0

2.193 cll1133

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$e^+\tau^- \rightarrow e^+\tau^-$	−0.02418	−0.02418	0	0.06576	0.06576	0

2.194 cll1221

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \rightarrow HH$	0.009196	0.009196	0	0.0001394	0.0001394	0
$HH \rightarrow HHH$	$1.778 \cdot 10^{-8}$	$1.778 \cdot 10^{-8}$	0	$4.043 \cdot 10^{-10}$	$4.043 \cdot 10^{-10}$	0
$HH \rightarrow H\tau^+\tau^-$	$2.405 \cdot 10^{-11}$	$2.405 \cdot 10^{-11}$	0	$5.468 \cdot 10^{-13}$	$5.468 \cdot 10^{-13}$	0
$HH \rightarrow Hb\bar{b}$	$3.585 \cdot 10^{-10}$	$3.585 \cdot 10^{-10}$	0	$8.15 \cdot 10^{-12}$	$8.15 \cdot 10^{-12}$	0
$HH \rightarrow Hs\bar{s}$	$4.089 \cdot 10^{-11}$	$4.089 \cdot 10^{-11}$	0	$9.296 \cdot 10^{-13}$	$9.296 \cdot 10^{-13}$	0
$HH \rightarrow Ht\bar{t}$	$1.38 \cdot 10^{-6}$	$1.38 \cdot 10^{-6}$	0	$3.137 \cdot 10^{-8}$	$3.137 \cdot 10^{-8}$	0

$HH \rightarrow Hu\bar{u}$	$1.602 \cdot 10^{-16}$	$1.602 \cdot 10^{-16}$	0	$3.641 \cdot 10^{-18}$	$3.641 \cdot 10^{-18}$	0
$HH \rightarrow Hzz$	$3.945 \cdot 10^{-6}$	$3.945 \cdot 10^{-6}$	0	$8.97 \cdot 10^{-8}$	$8.97 \cdot 10^{-8}$	0
$HH \rightarrow W^+W^-$	0.1444	0.1444	0	0.002189	0.002189	0
$HH \rightarrow W^+W^-\gamma$	$2.771 \cdot 10^{-6}$	$2.771 \cdot 10^{-6}$	0	$6.3 \cdot 10^{-8}$	$6.3 \cdot 10^{-8}$	0
$HH \rightarrow W^+\bar{t}b$	$8.19 \cdot 10^{-7}$	$8.19 \cdot 10^{-7}$	0	$1.862 \cdot 10^{-8}$	$1.862 \cdot 10^{-8}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	$1.17 \cdot 10^{-8}$	$1.17 \cdot 10^{-8}$	0	$2.66 \cdot 10^{-10}$	$2.66 \cdot 10^{-10}$	0
$HH \rightarrow W^-u\bar{d}$	$5.133 \cdot 10^{-7}$	$5.133 \cdot 10^{-7}$	0	$1.167 \cdot 10^{-8}$	$1.167 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	$4.873 \cdot 10^{-8}$	$4.873 \cdot 10^{-8}$	0	$1.108 \cdot 10^{-9}$	$1.108 \cdot 10^{-9}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	$2.146 \cdot 10^{-8}$	$2.146 \cdot 10^{-8}$	0	$4.879 \cdot 10^{-10}$	$4.879 \cdot 10^{-10}$	0
$HH \rightarrow zcc\bar{c}$	$8.5 \cdot 10^{-8}$	$8.5 \cdot 10^{-8}$	0	$1.932 \cdot 10^{-9}$	$1.932 \cdot 10^{-9}$	0
$HH \rightarrow zdd\bar{d}$	$3.34 \cdot 10^{-8}$	$3.34 \cdot 10^{-8}$	0	$7.593 \cdot 10^{-10}$	$7.593 \cdot 10^{-10}$	0
$HH \rightarrow ze^+e^-$	$8.718 \cdot 10^{-9}$	$8.718 \cdot 10^{-9}$	0	$1.982 \cdot 10^{-10}$	$1.982 \cdot 10^{-10}$	0
$HH \rightarrow zt\bar{t}$	$1.026 \cdot 10^{-6}$	$1.026 \cdot 10^{-6}$	0	$2.332 \cdot 10^{-8}$	$2.332 \cdot 10^{-8}$	0
$HH \rightarrow zz$	0.004707	0.004707	0	$7.134 \cdot 10^{-5}$	$7.134 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$1.919 \cdot 10^{-7}$	$1.919 \cdot 10^{-7}$	0	$4.362 \cdot 10^{-9}$	$4.362 \cdot 10^{-9}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$2.315 \cdot 10^{-9}$	$2.315 \cdot 10^{-9}$	0	$5.263 \cdot 10^{-11}$	$5.263 \cdot 10^{-11}$	0
$HW^+ \rightarrow u\bar{d}$	0.0003434	0.0003434	0	$5.204 \cdot 10^{-6}$	$5.204 \cdot 10^{-6}$	0
$HW^- \rightarrow \bar{t}b$	0.1555	0.1555	0	0.002357	0.002357	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$1.782 \cdot 10^{-8}$	$1.782 \cdot 10^{-8}$	0	$4.05 \cdot 10^{-10}$	$4.05 \cdot 10^{-10}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0.0003335	0.0003335	0	$5.054 \cdot 10^{-6}$	$5.054 \cdot 10^{-6}$	0
$H\gamma \rightarrow b\bar{b}$	$5.667 \cdot 10^{-6}$	$5.667 \cdot 10^{-6}$	0	$8.589 \cdot 10^{-8}$	$8.589 \cdot 10^{-8}$	0
$H\gamma \rightarrow c\bar{c}$	$4.099 \cdot 10^{-6}$	$4.099 \cdot 10^{-6}$	0	$6.212 \cdot 10^{-8}$	$6.212 \cdot 10^{-8}$	0
$H\gamma \rightarrow d\bar{d}$	$5.919 \cdot 10^{-12}$	$5.919 \cdot 10^{-12}$	0	$8.971 \cdot 10^{-14}$	$8.971 \cdot 10^{-14}$	0
$H\gamma \rightarrow e^+e^-$	$6.234 \cdot 10^{-13}$	$6.234 \cdot 10^{-13}$	0	$9.449 \cdot 10^{-15}$	$9.449 \cdot 10^{-15}$	0
$H\gamma \rightarrow t\bar{t}$	0.02696	0.02696	0	0.0004086	0.0004086	0
$H\gamma \rightarrow \mu^+\mu^-$	$1.714 \cdot 10^{-5}$	$1.714 \cdot 10^{-5}$	0	$2.598 \cdot 10^{-7}$	$2.598 \cdot 10^{-7}$	0
$H\gamma \rightarrow \nu_\tau\bar{\nu}_\tau$	0.000112	0.000112	0	$1.697 \cdot 10^{-6}$	$1.697 \cdot 10^{-6}$	0
$H\gamma \rightarrow b\bar{b}$	0.0006782	0.0006782	0	$1.028 \cdot 10^{-5}$	$1.028 \cdot 10^{-5}$	0
$H\gamma \rightarrow s\bar{s}$	0.0008907	0.0008907	0	$1.35 \cdot 10^{-5}$	$1.35 \cdot 10^{-5}$	0

$H z \rightarrow t \bar{t}$	0.1799	0.1799	0	0.002726	0.002726	0
$H z \rightarrow u \bar{u}$	0.0006581	0.0006581	0	$9.974 \cdot 10^{-6}$	$9.974 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H b \bar{b}$	$4.668 \cdot 10^{-8}$	$4.668 \cdot 10^{-8}$	0	$1.061 \cdot 10^{-9}$	$1.061 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow H c \bar{c}$	$7.45 \cdot 10^{-8}$	$7.45 \cdot 10^{-8}$	0	$1.694 \cdot 10^{-9}$	$1.694 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow H d \bar{d}$	$7.225 \cdot 10^{-6}$	$7.225 \cdot 10^{-6}$	0	$1.643 \cdot 10^{-7}$	$1.643 \cdot 10^{-7}$	0
$W^+ W^- \rightarrow H t \bar{t}$	$2.181 \cdot 10^{-7}$	$2.181 \cdot 10^{-7}$	0	$4.958 \cdot 10^{-9}$	$4.958 \cdot 10^{-9}$	0
$W^+ W^- \rightarrow W^+ W^-$	0.6226	0.6226	0	0.009436	0.009436	0
$W^+ W^- \rightarrow \gamma \gamma$	0.004412	0.004412	0	$6.686 \cdot 10^{-5}$	$6.686 \cdot 10^{-5}$	0
$W^+ W^- \rightarrow \gamma \gamma \gamma$	$8.682 \cdot 10^{-8}$	$8.682 \cdot 10^{-8}$	0	$1.974 \cdot 10^{-9}$	$1.974 \cdot 10^{-9}$	0
$\bar{b} t \rightarrow \bar{d} u$	$1.51 \cdot 10^{-5}$	$1.51 \cdot 10^{-5}$	0	$2.289 \cdot 10^{-7}$	$2.289 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow z W^+$	0.0161	0.0161	0	0.000244	0.000244	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	0.0004394	0.0004394	0	$6.659 \cdot 10^{-6}$	$6.659 \cdot 10^{-6}$	0
$\nu_\tau \bar{\nu}_\tau \rightarrow \nu_\tau \bar{\nu}_\tau$	$3.047 \cdot 10^{-6}$	$3.047 \cdot 10^{-6}$	0	$4.618 \cdot 10^{-8}$	$4.618 \cdot 10^{-8}$	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	0.2441	0.2441	0	0.886	0.886	0
$b \bar{b} \rightarrow \gamma \gamma$	$4.589 \cdot 10^{-6}$	$4.589 \cdot 10^{-6}$	0	$6.955 \cdot 10^{-8}$	$6.955 \cdot 10^{-8}$	0
$b \bar{b} \rightarrow \mu^+ \mu^-$	$3.859 \cdot 10^{-5}$	$3.859 \cdot 10^{-5}$	0	$5.849 \cdot 10^{-7}$	$5.849 \cdot 10^{-7}$	0
$b \bar{b} \rightarrow \nu_e \bar{\nu}_e$	$6.259 \cdot 10^{-5}$	$6.259 \cdot 10^{-5}$	0	$9.487 \cdot 10^{-7}$	$9.487 \cdot 10^{-7}$	0
$b \bar{b} \rightarrow b \bar{b}$	0.9458	0.9458	0	0.02274	0.02274	0
$b \bar{b} \rightarrow d \bar{d}$	$1.336 \cdot 10^{-5}$	$1.336 \cdot 10^{-5}$	0	$2.025 \cdot 10^{-7}$	$2.025 \cdot 10^{-7}$	0
$b \bar{b} \rightarrow t \bar{t}$	0.003989	0.003989	0	0.0003063	0.0003063	0
$b \bar{b} \rightarrow u \bar{u}$	$6.493 \cdot 10^{-5}$	$6.493 \cdot 10^{-5}$	0	$9.841 \cdot 10^{-7}$	$9.841 \cdot 10^{-7}$	0
$b \bar{t} \rightarrow e^- \bar{\nu}_e$	$4.198 \cdot 10^{-7}$	$4.198 \cdot 10^{-7}$	0	$6.362 \cdot 10^{-9}$	$6.362 \cdot 10^{-9}$	0
$c \bar{c} \rightarrow \mu^+ \mu^-$	$8.255 \cdot 10^{-5}$	$8.255 \cdot 10^{-5}$	0	$1.251 \cdot 10^{-6}$	$1.251 \cdot 10^{-6}$	0
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	0.0008698	0.0008698	0	$1.318 \cdot 10^{-5}$	$1.318 \cdot 10^{-5}$	0
$d \bar{d} \rightarrow c \bar{c}$	$8.694 \cdot 10^{-5}$	$8.694 \cdot 10^{-5}$	0	$1.318 \cdot 10^{-6}$	$1.318 \cdot 10^{-6}$	0
$d \bar{d} \rightarrow e^+ e^-$	$4.771 \cdot 10^{-5}$	$4.771 \cdot 10^{-5}$	0	$7.231 \cdot 10^{-7}$	$7.231 \cdot 10^{-7}$	0
$d \bar{d} \rightarrow s \bar{s}$	0.0002178	0.0002178	0	$3.302 \cdot 10^{-6}$	$3.302 \cdot 10^{-6}$	0
$e^+ \nu_\mu \rightarrow e^+ \nu_\mu$	0.00249	0.00249	0	$3.773 \cdot 10^{-5}$	$3.773 \cdot 10^{-5}$	0
$e^+ \nu_e \rightarrow \mu^+ \nu_\mu$	0.005833	0.005833	0	0.01368	0.01368	0

$e^+\nu_e \rightarrow e^+\nu_e$	0.0003433	0.0003433	0	$5.204 \cdot 10^{-6}$	$5.204 \cdot 10^{-6}$	0
$e^+\tau^- \rightarrow e^+\tau^-$	0.2929	0.2929	0	0.00444	0.00444	0
$e^+e^- \rightarrow \mu^+\mu^-$	0.0007914	0.0007914	0	0.001371	0.001371	0
$e^+e^- \rightarrow e^+e^-$	0.001069	0.001069	0	$1.62 \cdot 10^{-5}$	$1.62 \cdot 10^{-5}$	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0.0001221	0.0001221	0	$1.851 \cdot 10^{-6}$	$1.851 \cdot 10^{-6}$	0
$s\bar{s} \rightarrow s\bar{s}$	-0.01835	-0.01835	0	0.000112	0.000112	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$7.102 \cdot 10^{-5}$	$7.102 \cdot 10^{-5}$	0	$1.076 \cdot 10^{-6}$	$1.076 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0001036	0.0001036	0	$1.57 \cdot 10^{-6}$	$1.57 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow c\bar{c}$	0.0001046	0.0001046	0	$1.585 \cdot 10^{-6}$	$1.585 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow d\bar{d}$	0.0003183	0.0003183	0	$4.823 \cdot 10^{-6}$	$4.823 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	0.0003771	0.0003771	0	$5.715 \cdot 10^{-6}$	$5.715 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow t\bar{t}$	-0.2091	-0.2091	0	0.001453	0.001453	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	0.0001759	0.0001759	0	$2.666 \cdot 10^{-6}$	$2.666 \cdot 10^{-6}$	0
$u\bar{d} \rightarrow c\bar{s}$	0.0001913	0.0001913	0	$2.9 \cdot 10^{-6}$	$2.9 \cdot 10^{-6}$	0
$u\bar{d} \rightarrow u\bar{d}$	-0.0003481	-0.0003481	0	$5.056 \cdot 10^{-6}$	$5.056 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	0.0001193	0.0001193	0	$1.808 \cdot 10^{-6}$	$1.808 \cdot 10^{-6}$	0
$u\bar{u} \rightarrow c\bar{c}$	0.0008844	0.0008844	0	$1.34 \cdot 10^{-5}$	$1.34 \cdot 10^{-5}$	0
$u\bar{u} \rightarrow u\bar{u}$	-0.0007725	-0.0007725	0	$2.139 \cdot 10^{-6}$	$2.139 \cdot 10^{-6}$	0
$zz \rightarrow W^+W^-$	3.427	3.427	0	0.05194	0.05194	0
$zz \rightarrow zz$	0.004916	0.004916	0	$7.451 \cdot 10^{-5}$	$7.451 \cdot 10^{-5}$	0

2.195 cll1331

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+\tau^- \rightarrow e^+\tau^-$	-0.06106	-0.06106	0	0.1399	0.1399	0

2.196 cll2233

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.04268	0.04268	0	0.1552	0.1552	0

2.197 cll2332

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0.01689	0.01689	0	0.06142	0.06142	0

2.198 cll3333

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	-1.843	-1.843	0	9.127	9.127	0

2.199 clu11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	-0.001656	-0.001656	0	0.02014	0.02014	0

2.200 clu22

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \rightarrow \mu^+\mu^-$	-0.01478	-0.01478	0	0.1821	0.1821	0

2.201 ctBIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow zt\bar{t}$	$-9.539 \cdot 10^{-7}$	$-9.539 \cdot 10^{-7}$	0	$1.833 \cdot 10^{-5}$	$1.833 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$2.772 \cdot 10^{-9}$	$2.772 \cdot 10^{-9}$	0	$3.186 \cdot 10^{-8}$	$3.186 \cdot 10^{-8}$	0
$H\gamma \rightarrow t\bar{t}$	$1.479 \cdot 10^{-16}$	$1.479 \cdot 10^{-16}$	0	1.259	1.259	0
$H z \rightarrow t\bar{t}$	-0.0002479	-0.0002479	0	0.5783	0.5783	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.888 \cdot 10^{-7}$	$2.888 \cdot 10^{-7}$	0	$5.866 \cdot 10^{-8}$	$5.866 \cdot 10^{-8}$	0
$b\bar{b} \rightarrow t\bar{t}$	$1.281 \cdot 10^{-18}$	$9.742 \cdot 10^{-19}$	0.2397	0.0008621	0.0008621	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	$-4.63 \cdot 10^{-20}$	$-4.63 \cdot 10^{-20}$	0	0.0001494	0.0001494	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$3.036 \cdot 10^{-19}$	$3.036 \cdot 10^{-19}$	0	0.002085	0.002085	0
$t\bar{t} \rightarrow c\bar{c}$	$5.374 \cdot 10^{-20}$	$5.374 \cdot 10^{-20}$	0	0.0002726	0.0002726	0
$t\bar{t} \rightarrow d\bar{d}$	$-1.602 \cdot 10^{-18}$	$-1.602 \cdot 10^{-18}$	$7.365 \cdot 10^{-6}$	0.0008292	0.0008292	0
$t\bar{t} \rightarrow s\bar{s}$	$-1.114 \cdot 10^{-19}$	$-1.115 \cdot 10^{-19}$	-0.0004223	0.0004633	0.0004633	0
$t\bar{t} \rightarrow t\bar{t}$	$2.422 \cdot 10^{-17}$	$2.37 \cdot 10^{-17}$	0.02179	0.1502	0.1502	0

2.202 ctGIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	$1.554 \cdot 10^{-17}$	$1.554 \cdot 10^{-17}$	0	0.03392	0.03392	0
$gg \rightarrow t\bar{t}$	$2.026 \cdot 10^{-18}$	$2.026 \cdot 10^{-18}$	0	0.08154	0.08154	0
$t\bar{t} \rightarrow c\bar{c}$	$-3.198 \cdot 10^{-23}$	$-2.123 \cdot 10^{-23}$	0.3363	0.02279	0.02279	0
$t\bar{t} \rightarrow d\bar{d}$	$3.927 \cdot 10^{-29}$	$3.909 \cdot 10^{-29}$	0.004464	0.03721	0.03721	0
$t\bar{t} \rightarrow s\bar{s}$	$2.866 \cdot 10^{-24}$	$2.909 \cdot 10^{-24}$	-0.01503	0.02941	0.02941	0
$t\bar{t} \rightarrow t\bar{t}$	$-2.812 \cdot 10^{-17}$	$-2.901 \cdot 10^{-17}$	-0.03171	1.709	1.709	0

2.203 ctGRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	-0.1196	-0.1196	0	0.03049	0.03049	0
$gg \rightarrow t\bar{t}$	-0.1508	-0.1508	0	0.08894	0.08894	0
$t\bar{t} \rightarrow c\bar{c}$	-0.1986	-0.1986	0	0.0304	0.0304	0
$t\bar{t} \rightarrow d\bar{d}$	-0.1986	-0.1986	0	0.0414	0.0414	0
$t\bar{t} \rightarrow s\bar{s}$	-0.1986	-0.1986	0	0.02887	0.02887	0
$t\bar{t} \rightarrow t\bar{t}$	-0.1779	-0.1779	0	0.5408	0.5408	0

2.204 ctHIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Ht\bar{t}$	$2.54 \cdot 10^{-6}$	$2.54 \cdot 10^{-6}$	0	$4.589 \cdot 10^{-5}$	$4.589 \cdot 10^{-5}$	0
$HH \rightarrow W^+t\bar{b}$	$-2.717 \cdot 10^{-6}$	$-2.717 \cdot 10^{-6}$	0	$6.309 \cdot 10^{-5}$	$6.309 \cdot 10^{-5}$	0
$HH \rightarrow zt\bar{t}$	$1.142 \cdot 10^{-6}$	$1.142 \cdot 10^{-6}$	0	$1.252 \cdot 10^{-5}$	$1.252 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-4.39 \cdot 10^{-8}$	$-4.39 \cdot 10^{-8}$	0	$7.055 \cdot 10^{-9}$	$7.055 \cdot 10^{-9}$	0
$HW^- \rightarrow \bar{t}b$	-0.0008722	-0.0008722	0	0.05854	0.05854	0
$H\gamma \rightarrow t\bar{t}$	$-1.748 \cdot 10^{-18}$	$-1.748 \cdot 10^{-18}$	0	0.005527	0.005527	0
$H z \rightarrow t\bar{t}$	0.000397	0.000397	0	0.06503	0.06503	0
$W^+W^- \rightarrow Hb\bar{b}$	$-9.944 \cdot 10^{-8}$	$-9.944 \cdot 10^{-8}$	0	$1.323 \cdot 10^{-9}$	$1.323 \cdot 10^{-9}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$9.834 \cdot 10^{-7}$	$9.834 \cdot 10^{-7}$	0	$2.77 \cdot 10^{-7}$	$2.77 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	$-4.369 \cdot 10^{-22}$	$-4.369 \cdot 10^{-22}$	0	$5.466 \cdot 10^{-7}$	$5.466 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	$-6.963 \cdot 10^{-24}$	$-6.963 \cdot 10^{-24}$	0	$3.492 \cdot 10^{-8}$	$3.492 \cdot 10^{-8}$	0
$t\bar{t} \rightarrow c\bar{c}$	$1.168 \cdot 10^{-22}$	$1.305 \cdot 10^{-22}$	-0.1172	$5.351 \cdot 10^{-8}$	$5.351 \cdot 10^{-8}$	0
$t\bar{t} \rightarrow d\bar{d}$	$5.077 \cdot 10^{-28}$	$1.711 \cdot 10^{-28}$	0.663	$7.236 \cdot 10^{-13}$	$7.236 \cdot 10^{-13}$	0
$t\bar{t} \rightarrow s\bar{s}$	$-7.754 \cdot 10^{-25}$	$-8.013 \cdot 10^{-25}$	-0.03334	$2.87 \cdot 10^{-10}$	$2.87 \cdot 10^{-10}$	0

$t\bar{t} \rightarrow t\bar{t}$	$-1.622 \cdot 10^{-18}$	$-1.87 \cdot 10^{-18}$	-0.1532	0.005029	0.005029	0
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2.205 ctHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Ht\bar{t}$	$1.993 \cdot 10^{-5}$	$1.993 \cdot 10^{-5}$	0	$1.79 \cdot 10^{-5}$	$1.79 \cdot 10^{-5}$	0
$HH \rightarrow W^+\bar{t}b$	$4.233 \cdot 10^{-7}$	$4.233 \cdot 10^{-7}$	0	$1.374 \cdot 10^{-6}$	$1.374 \cdot 10^{-6}$	0
$HH \rightarrow zt\bar{t}$	$-3.625 \cdot 10^{-7}$	$-3.625 \cdot 10^{-7}$	0	$1.394 \cdot 10^{-6}$	$1.394 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-2.046 \cdot 10^{-7}$	$-2.046 \cdot 10^{-7}$	0	$3.119 \cdot 10^{-8}$	$3.119 \cdot 10^{-8}$	0
$HW^- \rightarrow \bar{t}b$	0.05617	0.05617	0	0.05056	0.05056	0
$H\gamma \rightarrow t\bar{t}$	-0.1669	-0.1669	0	0.005099	0.005099	0
$H z \rightarrow t\bar{t}$	-0.02447	-0.02447	0	0.06527	0.06527	0
$W^+W^- \rightarrow Hb\bar{b}$	$4.103 \cdot 10^{-7}$	$4.103 \cdot 10^{-7}$	0	$3.39 \cdot 10^{-8}$	$3.39 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-8.812 \cdot 10^{-8}$	$-8.812 \cdot 10^{-8}$	0	$7.631 \cdot 10^{-7}$	$7.631 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	$-9.887 \cdot 10^{-6}$	$-9.887 \cdot 10^{-6}$	0	$4.813 \cdot 10^{-7}$	$4.813 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	$-1.018 \cdot 10^{-6}$	$-1.018 \cdot 10^{-6}$	0	$3.099 \cdot 10^{-8}$	$3.099 \cdot 10^{-8}$	0
$t\bar{t} \rightarrow c\bar{c}$	$-1.56 \cdot 10^{-6}$	$-1.56 \cdot 10^{-6}$	0	$4.749 \cdot 10^{-8}$	$4.749 \cdot 10^{-8}$	0
$t\bar{t} \rightarrow d\bar{d}$	$-2.106 \cdot 10^{-11}$	$-2.106 \cdot 10^{-11}$	0	$6.421 \cdot 10^{-13}$	$6.421 \cdot 10^{-13}$	0
$t\bar{t} \rightarrow s\bar{s}$	$-8.303 \cdot 10^{-9}$	$-8.303 \cdot 10^{-9}$	0	$2.547 \cdot 10^{-10}$	$2.547 \cdot 10^{-10}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.2523	0.2523	0	0.009769	0.009769	0

2.206 ctWIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+\bar{t}b$	$3.734 \cdot 10^{-6}$	$3.734 \cdot 10^{-6}$	0	$1.607 \cdot 10^{-5}$	$1.607 \cdot 10^{-5}$	0
$HH \rightarrow zt\bar{t}$	$3.177 \cdot 10^{-7}$	$3.177 \cdot 10^{-7}$	0	$1.243 \cdot 10^{-5}$	$1.243 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.232 \cdot 10^{-7}$	$-1.232 \cdot 10^{-7}$	0	$6.019 \cdot 10^{-6}$	$6.019 \cdot 10^{-6}$	0

$HW^- \rightarrow \bar{t}b$	0.0007365	0.0007365	0	1.455	1.455	0
$H\gamma \rightarrow t\bar{t}$	$1.355 \cdot 10^{-18}$	$1.355 \cdot 10^{-18}$	0	0.6374	0.6374	0
$HZ \rightarrow t\bar{t}$	$6.743 \cdot 10^{-5}$	$6.743 \cdot 10^{-5}$	0	1.285	1.285	0
$W^+W^- \rightarrow Hb\bar{b}$	$-1.492 \cdot 10^{-6}$	$-1.492 \cdot 10^{-6}$	0	$2.5 \cdot 10^{-6}$	$2.5 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-6.905 \cdot 10^{-7}$	$-6.905 \cdot 10^{-7}$	0	$2.401 \cdot 10^{-5}$	$2.401 \cdot 10^{-5}$	0
$\bar{b}t \rightarrow \bar{d}u$	$7.012 \cdot 10^{-20}$	$7.012 \cdot 10^{-20}$	0	0.01119	0.01119	0
$b\bar{b} \rightarrow t\bar{t}$	$-1.093 \cdot 10^{-17}$	$-1.093 \cdot 10^{-17}$	0	0.02017	0.02017	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-1.108 \cdot 10^{-18}$	$-1.108 \cdot 10^{-18}$	0	0.004268	0.004268	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	$7.208 \cdot 10^{-20}$	$7.208 \cdot 10^{-20}$	0	0.000705	0.000705	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	$1.338 \cdot 10^{-19}$	$1.338 \cdot 10^{-19}$	0	0.0005875	0.0005875	0
$t\bar{t} \rightarrow c\bar{c}$	$-8.584 \cdot 10^{-18}$	$-8.584 \cdot 10^{-18}$	$-4.112 \cdot 10^{-6}$	0.003417	0.003417	0
$t\bar{t} \rightarrow d\bar{d}$	$1.139 \cdot 10^{-20}$	$1.127 \cdot 10^{-20}$	0.01033	0.005232	0.005232	0
$t\bar{t} \rightarrow s\bar{s}$	$3.095 \cdot 10^{-19}$	$3.095 \cdot 10^{-19}$	$-7.602 \cdot 10^{-5}$	0.003175	0.003175	0
$t\bar{t} \rightarrow t\bar{t}$	$1.473 \cdot 10^{-16}$	$1.481 \cdot 10^{-16}$	-0.004962	0.1316	0.1316	0

2.207 ctWRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$6.282 \cdot 10^{-6}$	$6.282 \cdot 10^{-6}$	0	$1.546 \cdot 10^{-5}$	$1.546 \cdot 10^{-5}$	0
$HH \rightarrow z t\bar{t}$	$7.78 \cdot 10^{-7}$	$7.78 \cdot 10^{-7}$	0	$5.088 \cdot 10^{-5}$	$5.088 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$1.267 \cdot 10^{-7}$	$1.267 \cdot 10^{-7}$	0	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	0
$HW^- \rightarrow \bar{t}b$	0.2851	0.2851	0	2.1	2.1	0
$H\gamma \rightarrow t\bar{t}$	0.2654	0.2654	0	0.4703	0.4703	0
$HZ \rightarrow t\bar{t}$	0.04633	0.04633	0	2.598	2.598	0
$W^+W^- \rightarrow Hb\bar{b}$	$8.329 \cdot 10^{-7}$	$8.329 \cdot 10^{-7}$	0	$2.624 \cdot 10^{-6}$	$2.624 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.501 \cdot 10^{-5}$	$2.501 \cdot 10^{-5}$	0	$7.639 \cdot 10^{-5}$	$7.639 \cdot 10^{-5}$	0
$\bar{b}t \rightarrow \bar{d}u$	-0.004815	-0.004815	0	0.01077	0.01077	0
$b\bar{b} \rightarrow t\bar{t}$	-0.02853	-0.02853	0	0.0159	0.0159	0

$b\bar{t} \rightarrow e^- \bar{\nu}_e$	-0.005053	-0.005053	0	0.002077	0.002077	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.002068	-0.002068	0	0.001466	0.001466	0
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.003103	-0.003103	0	0.000535	0.000535	0
$t\bar{t} \rightarrow c\bar{c}$	-0.003434	-0.003434	0	0.006577	0.006577	0
$t\bar{t} \rightarrow d\bar{d}$	0.0007639	0.0007639	0	0.001807	0.001807	0
$t\bar{t} \rightarrow s\bar{s}$	-0.006866	-0.006866	0	0.004638	0.004638	0
$t\bar{t} \rightarrow t\bar{t}$	0.193	0.193	0	0.1799	0.1799	0

2.208 ctb1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	-0.01921	-0.01921	0	0.3457	0.3457	0

2.209 ctd1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow d\bar{d}$	-0.04642	-0.04642	0	0.8453	0.8453	0
$t\bar{t} \rightarrow s\bar{s}$	-0.01607	-0.01607	0	0.2878	0.2878	0

2.210 ctd8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow d\bar{d}$	0.1193	0.1193	0	0.03362	0.03362	0
$t\bar{t} \rightarrow s\bar{s}$	0.4092	0.4092	0	0.1315	0.1315	0

2.211 cte33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.02008	-0.02008	0	0.1205	0.1205	0

2.212 ctj1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow c\bar{c}$	0.01153	0.01153	0	0.1845	0.1845	0
$t\bar{t} \rightarrow d\bar{d}$	0.009133	0.009133	0	0.5525	0.5525	0
$t\bar{t} \rightarrow s\bar{s}$	-0.003706	-0.003706	0	0.08992	0.08992	0

2.213 ctj8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow c\bar{c}$	0.3643	0.3643	0	0.1163	0.1163	0
$t\bar{t} \rightarrow d\bar{d}$	0.6656	0.6656	0	0.218	0.218	0
$t\bar{t} \rightarrow s\bar{s}$	0.03897	0.03897	0	0.00652	0.00652	0

2.214 ctl22

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.0008741	-0.0008741	0	0.03417	0.03417	0

2.215 ctl33

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.02284	-0.02284	0	0.2528	0.2528	0

2.216 ctt

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow t\bar{t}$	-0.3645	-0.3645	0	4.526	4.526	0

2.217 ctu1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow c\bar{c}$	0.07387	0.07387	0	0.6711	0.6711	0

2.218 ctu8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow c\bar{c}$	0.257	0.257	0	0.08009	0.08009	0

2.219 cuBIm

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

$HH \rightarrow z c \bar{c}$	$4.922 \cdot 10^{-12}$	$4.922 \cdot 10^{-12}$	$1.422 \cdot 10^{-7}$	$1.207 \cdot 10^{-11}$	$1.207 \cdot 10^{-11}$	$2.486 \cdot 10^{-7}$
$HW^+ \rightarrow \gamma u \bar{d}$	$7.79 \cdot 10^{-17}$	$7.79 \cdot 10^{-17}$	$-7.189 \cdot 10^{-7}$	$7.598 \cdot 10^{-18}$	$7.598 \cdot 10^{-18}$	$-1.448 \cdot 10^{-6}$
$H\gamma \rightarrow c \bar{c}$	$1.507 \cdot 10^{-21}$	$1.507 \cdot 10^{-21}$	$6.02 \cdot 10^{-5}$	$7.318 \cdot 10^{-5}$	$7.318 \cdot 10^{-5}$	$2.87 \cdot 10^{-7}$
$H z \rightarrow u \bar{u}$	$-4.782 \cdot 10^{-15}$	$-4.782 \cdot 10^{-15}$	$-7.319 \cdot 10^{-7}$	$6.809 \cdot 10^{-11}$	$6.809 \cdot 10^{-11}$	$-1.454 \cdot 10^{-6}$
$W^+ W^- \rightarrow H c \bar{c}$	$2.386 \cdot 10^{-11}$	$2.386 \cdot 10^{-11}$	$1.258 \cdot 10^{-7}$	$4.839 \cdot 10^{-13}$	$4.839 \cdot 10^{-13}$	$2.893 \cdot 10^{-7}$
$b \bar{b} \rightarrow u \bar{u}$	$3.42 \cdot 10^{-30}$	$7.771 \cdot 10^{-30}$	-1.272	$1.358 \cdot 10^{-13}$	$1.358 \cdot 10^{-13}$	$-1.399 \cdot 10^{-6}$
$c \bar{c} \rightarrow \mu^+ \mu^-$	$-3.312 \cdot 10^{-24}$	$-3.312 \cdot 10^{-24}$	$1.356 \cdot 10^{-5}$	$1.704 \cdot 10^{-8}$	$1.704 \cdot 10^{-8}$	$2.934 \cdot 10^{-7}$
$d \bar{d} \rightarrow c \bar{c}$	$2.63 \cdot 10^{-24}$	$5.491 \cdot 10^{-24}$	-1.088	$5.157 \cdot 10^{-8}$	$5.157 \cdot 10^{-8}$	$2.715 \cdot 10^{-7}$
$t \bar{t} \rightarrow c \bar{c}$	$7.836 \cdot 10^{-23}$	$7.861 \cdot 10^{-23}$	-0.003152	$1.581 \cdot 10^{-7}$	$1.581 \cdot 10^{-7}$	$3.163 \cdot 10^{-7}$
$u \bar{d} \rightarrow u \bar{d}$	$-3.576 \cdot 10^{-28}$	$-3.572 \cdot 10^{-28}$	0.0009023	$2.114 \cdot 10^{-15}$	$2.114 \cdot 10^{-15}$	$-1.419 \cdot 10^{-6}$
$u \bar{u} \rightarrow \nu_e \bar{\nu}_e$	$2.64 \cdot 10^{-29}$	$2.64 \cdot 10^{-29}$	$3.257 \cdot 10^{-6}$	$4.181 \cdot 10^{-14}$	$4.181 \cdot 10^{-14}$	$-1.459 \cdot 10^{-6}$
$u \bar{u} \rightarrow c \bar{c}$	$3.216 \cdot 10^{-24}$	$2.489 \cdot 10^{-24}$	0.226	$1.512 \cdot 10^{-7}$	$1.512 \cdot 10^{-7}$	$2.645 \cdot 10^{-7}$
$u \bar{u} \rightarrow u \bar{u}$	$-1.757 \cdot 10^{-27}$	$-1.75 \cdot 10^{-27}$	0.003455	$1.294 \cdot 10^{-11}$	$1.294 \cdot 10^{-11}$	$-1.468 \cdot 10^{-6}$

2.220 cuBRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z c \bar{c}$	$1.472 \cdot 10^{-10}$	$1.472 \cdot 10^{-10}$	$1.359 \cdot 10^{-7}$	$2.618 \cdot 10^{-11}$	$2.618 \cdot 10^{-11}$	$2.674 \cdot 10^{-7}$
$HW^+ \rightarrow \gamma u \bar{d}$	$2.215 \cdot 10^{-17}$	$2.215 \cdot 10^{-17}$	$-7.676 \cdot 10^{-7}$	$1.689 \cdot 10^{-18}$	$1.689 \cdot 10^{-18}$	$-1.421 \cdot 10^{-6}$
$H\gamma \rightarrow c \bar{c}$	$7.623 \cdot 10^{-10}$	$7.623 \cdot 10^{-10}$	$1.443 \cdot 10^{-7}$	0.0001214	0.0001214	$2.47 \cdot 10^{-7}$
$H z \rightarrow u \bar{u}$	$2.591 \cdot 10^{-12}$	$2.591 \cdot 10^{-12}$	$-7.333 \cdot 10^{-7}$	$6.341 \cdot 10^{-11}$	$6.341 \cdot 10^{-11}$	$-1.451 \cdot 10^{-6}$
$W^+ W^- \rightarrow H c \bar{c}$	$-6.127 \cdot 10^{-11}$	$-6.127 \cdot 10^{-11}$	$1.469 \cdot 10^{-7}$	$9.68 \cdot 10^{-12}$	$9.68 \cdot 10^{-12}$	$2.789 \cdot 10^{-7}$
$b \bar{b} \rightarrow u \bar{u}$	$-8.681 \cdot 10^{-15}$	$-8.681 \cdot 10^{-15}$	$-7.257 \cdot 10^{-7}$	$1.343 \cdot 10^{-13}$	$1.343 \cdot 10^{-13}$	$-1.415 \cdot 10^{-6}$
$c \bar{c} \rightarrow \mu^+ \mu^-$	$-6.343 \cdot 10^{-8}$	$-6.343 \cdot 10^{-8}$	$1.419 \cdot 10^{-7}$	$1.249 \cdot 10^{-8}$	$1.249 \cdot 10^{-8}$	$2.403 \cdot 10^{-7}$
$d \bar{d} \rightarrow c \bar{c}$	$-7.78 \cdot 10^{-9}$	$-7.78 \cdot 10^{-9}$	$1.414 \cdot 10^{-7}$	$3.771 \cdot 10^{-8}$	$3.771 \cdot 10^{-8}$	$2.917 \cdot 10^{-7}$
$t \bar{t} \rightarrow c \bar{c}$	$3.111 \cdot 10^{-7}$	$3.111 \cdot 10^{-7}$	$1.286 \cdot 10^{-7}$	$1.516 \cdot 10^{-7}$	$1.516 \cdot 10^{-7}$	$2.638 \cdot 10^{-7}$
$u \bar{d} \rightarrow u \bar{d}$	$-1.259 \cdot 10^{-12}$	$-1.259 \cdot 10^{-12}$	$-7.147 \cdot 10^{-7}$	$6.347 \cdot 10^{-12}$	$6.347 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
$u \bar{u} \rightarrow \nu_e \bar{\nu}_e$	$-7.337 \cdot 10^{-14}$	$-7.337 \cdot 10^{-14}$	$-7.224 \cdot 10^{-7}$	$2.02 \cdot 10^{-14}$	$2.02 \cdot 10^{-14}$	$-1.485 \cdot 10^{-6}$

$u\bar{u} \rightarrow c\bar{c}$	$-1.361 \cdot 10^{-7}$	$-1.361 \cdot 10^{-7}$	$1.469 \cdot 10^{-7}$	$1.838 \cdot 10^{-7}$	$1.838 \cdot 10^{-7}$	$2.72 \cdot 10^{-7}$
$u\bar{u} \rightarrow u\bar{u}$	$-1.487 \cdot 10^{-11}$	$-1.487 \cdot 10^{-11}$	$-7.397 \cdot 10^{-7}$	$8.966 \cdot 10^{-13}$	$8.967 \cdot 10^{-13}$	$-1.45 \cdot 10^{-6}$

2.221 cuGRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	$-2.992 \cdot 10^{-11}$	$-2.992 \cdot 10^{-11}$	$-7.353 \cdot 10^{-7}$	$5.147 \cdot 10^{-12}$	$5.147 \cdot 10^{-12}$	$-1.438 \cdot 10^{-6}$
$d\bar{d} \rightarrow c\bar{c}$	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$1.446 \cdot 10^{-6}$	$1.446 \cdot 10^{-6}$	$2.767 \cdot 10^{-7}$
$gg \rightarrow u\bar{u}$	$-2.586 \cdot 10^{-11}$	$-2.586 \cdot 10^{-11}$	$-7.347 \cdot 10^{-7}$	$1.273 \cdot 10^{-11}$	$1.273 \cdot 10^{-11}$	$-1.493 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$-1.159 \cdot 10^{-5}$	$-1.159 \cdot 10^{-5}$	$8.631 \cdot 10^{-8}$	$1.795 \cdot 10^{-6}$	$1.795 \cdot 10^{-6}$	$2.786 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-3.39 \cdot 10^{-11}$	$-3.39 \cdot 10^{-11}$	$-7.375 \cdot 10^{-7}$	$2.786 \cdot 10^{-10}$	$2.786 \cdot 10^{-10}$	$-1.436 \cdot 10^{-6}$
$u\bar{u} \rightarrow c\bar{c}$	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$2.093 \cdot 10^{-6}$	$2.093 \cdot 10^{-6}$	$2.866 \cdot 10^{-7}$
$u\bar{u} \rightarrow u\bar{u}$	$-1.01 \cdot 10^{-10}$	$-1.01 \cdot 10^{-10}$	$-6.933 \cdot 10^{-7}$	$5.126 \cdot 10^{-12}$	$5.126 \cdot 10^{-12}$	$-1.444 \cdot 10^{-6}$

2.222 cuHIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Hu\bar{u}$	$3.035 \cdot 10^{-25}$	$3.035 \cdot 10^{-25}$	$-4.283 \cdot 10^{-7}$	$3.395 \cdot 10^{-16}$	$3.395 \cdot 10^{-16}$	$-1.443 \cdot 10^{-6}$
$HH \rightarrow W^-u\bar{d}$	$-2.008 \cdot 10^{-16}$	$-2.008 \cdot 10^{-16}$	$-7.471 \cdot 10^{-7}$	$3.178 \cdot 10^{-16}$	$3.178 \cdot 10^{-16}$	$-1.447 \cdot 10^{-6}$
$HH \rightarrow zc\bar{c}$	$-9.877 \cdot 10^{-11}$	$-9.877 \cdot 10^{-11}$	$1.316 \cdot 10^{-7}$	$6.654 \cdot 10^{-11}$	$6.654 \cdot 10^{-11}$	$2.705 \cdot 10^{-7}$
$HW^+ \rightarrow \gamma u\bar{d}$	$-5.61 \cdot 10^{-16}$	$-5.61 \cdot 10^{-16}$	$-7.131 \cdot 10^{-7}$	$4.382 \cdot 10^{-16}$	$4.382 \cdot 10^{-16}$	$-1.438 \cdot 10^{-6}$
$HW^+ \rightarrow u\bar{d}$	$5.152 \cdot 10^{-14}$	$5.152 \cdot 10^{-14}$	$-7.182 \cdot 10^{-7}$	$1.035 \cdot 10^{-11}$	$1.035 \cdot 10^{-11}$	$-1.45 \cdot 10^{-6}$
$H\gamma \rightarrow c\bar{c}$	$-2.014 \cdot 10^{-28}$	$-1.509 \cdot 10^{-28}$	0.2507	$1.285 \cdot 10^{-7}$	$1.285 \cdot 10^{-7}$	$3.113 \cdot 10^{-7}$
$HZ \rightarrow u\bar{u}$	$3.766 \cdot 10^{-18}$	$3.766 \cdot 10^{-18}$	$-7.17 \cdot 10^{-7}$	$9.366 \cdot 10^{-12}$	$9.366 \cdot 10^{-12}$	$-1.452 \cdot 10^{-6}$
$W^+W^- \rightarrow Hc\bar{c}$	$4.825 \cdot 10^{-11}$	$4.825 \cdot 10^{-11}$	$1.451 \cdot 10^{-7}$	$1.667 \cdot 10^{-12}$	$1.667 \cdot 10^{-12}$	$2.999 \cdot 10^{-7}$
$W^+W^- \rightarrow Hdd$	$-5.805 \cdot 10^{-17}$	$-5.805 \cdot 10^{-17}$	$-7.235 \cdot 10^{-7}$	$1.491 \cdot 10^{-27}$	$1.491 \cdot 10^{-27}$	$-1.475 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-8.871 \cdot 10^{-32}$	$-9.008 \cdot 10^{-32}$	-0.01544	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.45 \cdot 10^{-6}$

$c\bar{c} \rightarrow \mu^+ \mu^-$	$-2.72 \cdot 10^{-31}$	$1.655 \cdot 10^{-29}$	61.85	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
$d\bar{d} \rightarrow c\bar{c}$	$1.439 \cdot 10^{-31}$	$1.444 \cdot 10^{-31}$	-0.00357	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
$t\bar{t} \rightarrow c\bar{c}$	$-3.529 \cdot 10^{-23}$	$-8.418 \cdot 10^{-23}$	-1.386	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-7.464 \cdot 10^{-36}$	$-7.458 \cdot 10^{-36}$	0.0007601	$9.827 \cdot 10^{-23}$	$9.827 \cdot 10^{-23}$	$-1.445 \cdot 10^{-6}$
$u\bar{u} \rightarrow c\bar{c}$	$2.268 \cdot 10^{-33}$	$5.617 \cdot 10^{-34}$	0.7524	$1.553 \cdot 10^{-17}$	$1.553 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
$u\bar{u} \rightarrow u\bar{u}$	$-9.842 \cdot 10^{-28}$	$-1.013 \cdot 10^{-27}$	-0.02888	$1.161 \cdot 10^{-22}$	$1.161 \cdot 10^{-22}$	$-1.465 \cdot 10^{-6}$

2.223 cuHRe

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Hu\bar{u}$	$-4.967 \cdot 10^{-16}$	$-4.967 \cdot 10^{-16}$	$-7.248 \cdot 10^{-7}$	$6.625 \cdot 10^{-16}$	$6.625 \cdot 10^{-16}$	$-1.449 \cdot 10^{-6}$
$HH \rightarrow W^- u\bar{d}$	$-1.611 \cdot 10^{-15}$	$-1.611 \cdot 10^{-15}$	$-6.827 \cdot 10^{-7}$	$6.914 \cdot 10^{-16}$	$6.914 \cdot 10^{-16}$	$-1.446 \cdot 10^{-6}$
$HH \rightarrow zc\bar{c}$	$-5.733 \cdot 10^{-11}$	$-5.733 \cdot 10^{-11}$	$1.395 \cdot 10^{-7}$	$6.139 \cdot 10^{-10}$	$6.139 \cdot 10^{-10}$	$2.769 \cdot 10^{-7}$
$HW^+ \rightarrow \gamma u\bar{d}$	$-7.081 \cdot 10^{-16}$	$-7.081 \cdot 10^{-16}$	$-7.202 \cdot 10^{-7}$	$2.072 \cdot 10^{-17}$	$2.072 \cdot 10^{-17}$	$-1.448 \cdot 10^{-6}$
$HW^+ \rightarrow u\bar{d}$	$-2.521 \cdot 10^{-12}$	$-2.521 \cdot 10^{-12}$	$-7.536 \cdot 10^{-7}$	$9.484 \cdot 10^{-12}$	$9.484 \cdot 10^{-12}$	$-1.444 \cdot 10^{-6}$
$H\gamma \rightarrow c\bar{c}$	$-3.364 \cdot 10^{-6}$	$-3.364 \cdot 10^{-6}$	$1.486 \cdot 10^{-7}$	$1.02 \cdot 10^{-7}$	$1.02 \cdot 10^{-7}$	$2.942 \cdot 10^{-7}$
$HZ \rightarrow u\bar{u}$	$-3.974 \cdot 10^{-12}$	$-3.974 \cdot 10^{-12}$	$-7.045 \cdot 10^{-7}$	$9.536 \cdot 10^{-12}$	$9.536 \cdot 10^{-12}$	$-1.447 \cdot 10^{-6}$
$W^+W^- \rightarrow Hc\bar{c}$	$-1.183 \cdot 10^{-11}$	$-1.183 \cdot 10^{-11}$	$1.69 \cdot 10^{-7}$	$2.14 \cdot 10^{-12}$	$2.14 \cdot 10^{-12}$	$2.804 \cdot 10^{-7}$
$W^+W^- \rightarrow Hd\bar{d}$	$1.179 \cdot 10^{-16}$	$1.179 \cdot 10^{-16}$	$-6.784 \cdot 10^{-7}$	$3.74 \cdot 10^{-27}$	$3.74 \cdot 10^{-27}$	$-1.444 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-2.787 \cdot 10^{-15}$	$-2.787 \cdot 10^{-15}$	$-7.534 \cdot 10^{-7}$	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.438 \cdot 10^{-6}$
$c\bar{c} \rightarrow \mu^+ \mu^-$	$-2.029 \cdot 10^{-13}$	$-2.029 \cdot 10^{-13}$	$1.478 \cdot 10^{-7}$	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
$d\bar{d} \rightarrow c\bar{c}$	$-1.191 \cdot 10^{-15}$	$-1.191 \cdot 10^{-15}$	$8.394 \cdot 10^{-8}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
$t\bar{t} \rightarrow c\bar{c}$	$-1.538 \cdot 10^{-6}$	$-1.538 \cdot 10^{-6}$	$1.301 \cdot 10^{-7}$	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
$u\bar{d} \rightarrow u\bar{d}$	$-2.027 \cdot 10^{-21}$	$-2.027 \cdot 10^{-21}$	$-7.401 \cdot 10^{-7}$	$9.746 \cdot 10^{-23}$	$9.746 \cdot 10^{-23}$	$-1.447 \cdot 10^{-6}$
$u\bar{u} \rightarrow c\bar{c}$	$-5.103 \cdot 10^{-16}$	$-5.103 \cdot 10^{-16}$	$-2.939 \cdot 10^{-7}$	$3.107 \cdot 10^{-17}$	$3.107 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
$u\bar{u} \rightarrow u\bar{u}$	$2.927 \cdot 10^{-11}$	$2.927 \cdot 10^{-11}$	$-7.176 \cdot 10^{-7}$	$2.009 \cdot 10^{-22}$	$2.009 \cdot 10^{-22}$	$-1.443 \cdot 10^{-6}$

2.224 cuWIm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^- u \bar{d}$	$2.02 \cdot 10^{-16}$	$2.02 \cdot 10^{-16}$	$-7.426 \cdot 10^{-7}$	$3.909 \cdot 10^{-16}$	$3.909 \cdot 10^{-16}$	$-1.458 \cdot 10^{-6}$
$HH \rightarrow z c \bar{c}$	$1.666 \cdot 10^{-12}$	$1.666 \cdot 10^{-12}$	$1.2 \cdot 10^{-7}$	$4.184 \cdot 10^{-12}$	$4.184 \cdot 10^{-12}$	$2.868 \cdot 10^{-7}$
$HW^+ \rightarrow \gamma u \bar{d}$	$-3.214 \cdot 10^{-17}$	$-3.214 \cdot 10^{-17}$	$-7.155 \cdot 10^{-7}$	$1.133 \cdot 10^{-16}$	$1.133 \cdot 10^{-16}$	$-1.413 \cdot 10^{-6}$
$HW^+ \rightarrow u \bar{d}$	$-3.079 \cdot 10^{-14}$	$-3.079 \cdot 10^{-14}$	$-7.47 \cdot 10^{-7}$	$4.9 \cdot 10^{-11}$	$4.9 \cdot 10^{-11}$	$-1.449 \cdot 10^{-6}$
$H\gamma \rightarrow c \bar{c}$	$3.744 \cdot 10^{-22}$	$3.743 \cdot 10^{-22}$	$8.86 \cdot 10^{-5}$	$1.739 \cdot 10^{-5}$	$1.739 \cdot 10^{-5}$	$2.874 \cdot 10^{-7}$
$H z \rightarrow u \bar{u}$	$-5.801 \cdot 10^{-15}$	$-5.801 \cdot 10^{-15}$	$-7.241 \cdot 10^{-7}$	$2.432 \cdot 10^{-10}$	$2.432 \cdot 10^{-10}$	$-1.439 \cdot 10^{-6}$
$W^+ W^- \rightarrow H c \bar{c}$	$1.771 \cdot 10^{-10}$	$1.771 \cdot 10^{-10}$	$1.129 \cdot 10^{-7}$	$1.077 \cdot 10^{-10}$	$1.077 \cdot 10^{-10}$	$2.784 \cdot 10^{-7}$
$W^+ W^- \rightarrow H d \bar{d}$	$8.9 \cdot 10^{-17}$	$8.9 \cdot 10^{-17}$	$-7.191 \cdot 10^{-7}$	$1.378 \cdot 10^{-25}$	$1.378 \cdot 10^{-25}$	$-1.452 \cdot 10^{-6}$
$\bar{b} t \rightarrow \bar{d} u$	$-1.463 \cdot 10^{-26}$	$-1.454 \cdot 10^{-26}$	0.006133	$1.094 \cdot 10^{-12}$	$1.094 \cdot 10^{-12}$	$-1.371 \cdot 10^{-6}$
$\bar{b} \bar{b} \rightarrow u \bar{u}$	$4.576 \cdot 10^{-29}$	$-8.017 \cdot 10^{-30}$	1.175	$9.985 \cdot 10^{-13}$	$9.985 \cdot 10^{-13}$	$-1.452 \cdot 10^{-6}$
$c \bar{c} \rightarrow \mu^+ \mu^-$	$7.008 \cdot 10^{-24}$	$7.008 \cdot 10^{-24}$	$-7.684 \cdot 10^{-5}$	$6.149 \cdot 10^{-8}$	$6.149 \cdot 10^{-8}$	$2.765 \cdot 10^{-7}$
$c \bar{s} \rightarrow \tau^+ \nu_\tau$	$5.594 \cdot 10^{-25}$	$-9.51 \cdot 10^{-25}$	2.7	$2.307 \cdot 10^{-7}$	$2.307 \cdot 10^{-7}$	$3.035 \cdot 10^{-7}$
$d \bar{d} \rightarrow c \bar{c}$	$8.857 \cdot 10^{-24}$	$1.295 \cdot 10^{-23}$	-0.4618	$1.225 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	$2.449 \cdot 10^{-7}$
$t \bar{t} \rightarrow c \bar{c}$	$-6.905 \cdot 10^{-22}$	$-6.843 \cdot 10^{-22}$	0.008954	$3.477 \cdot 10^{-7}$	$3.477 \cdot 10^{-7}$	$2.876 \cdot 10^{-7}$
$u \bar{d} \rightarrow \mu^+ \nu_\mu$	$6.254 \cdot 10^{-28}$	$6.019 \cdot 10^{-28}$	0.03762	$6.277 \cdot 10^{-13}$	$6.277 \cdot 10^{-13}$	$-1.45 \cdot 10^{-6}$
$u \bar{d} \rightarrow c \bar{s}$	$-1.471 \cdot 10^{-24}$	$-2.647 \cdot 10^{-23}$	-17	$1.53 \cdot 10^{-7}$	$1.53 \cdot 10^{-7}$	$3.268 \cdot 10^{-7}$
$u \bar{d} \rightarrow u \bar{d}$	$3.113 \cdot 10^{-25}$	$3.118 \cdot 10^{-25}$	-0.001497	$6.345 \cdot 10^{-12}$	$6.345 \cdot 10^{-12}$	$-1.434 \cdot 10^{-6}$
$u \bar{u} \rightarrow \nu_e \bar{\nu}_e$	$1.227 \cdot 10^{-28}$	$1.227 \cdot 10^{-28}$	$-2.772 \cdot 10^{-6}$	$1.336 \cdot 10^{-13}$	$1.336 \cdot 10^{-13}$	$-1.497 \cdot 10^{-6}$
$u \bar{u} \rightarrow c \bar{c}$	$-8.195 \cdot 10^{-25}$	$6.661 \cdot 10^{-25}$	1.813	$1.716 \cdot 10^{-7}$	$1.716 \cdot 10^{-7}$	$2.914 \cdot 10^{-7}$
$u \bar{u} \rightarrow u \bar{u}$	$9.05 \cdot 10^{-26}$	$9.108 \cdot 10^{-26}$	-0.00639	$1.648 \cdot 10^{-11}$	$1.648 \cdot 10^{-11}$	$-1.456 \cdot 10^{-6}$

2.225 cud1

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

$d\bar{d} \rightarrow c\bar{c}$	-0.001756	-0.001756	0	0.03225	0.03225	0
$u\bar{d} \rightarrow u\bar{d}$	0.01543	0.01543	0	0.1681	0.1681	0

2.226 cud8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \rightarrow c\bar{c}$	0.3665	0.3665	0	0.1237	0.1237	0
$u\bar{d} \rightarrow u\bar{d}$	-0.1674	-0.1674	0	0.0343	0.0343	0

2.227 cutbd1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	$8.818 \cdot 10^{-27}$	$8.818 \cdot 10^{-27}$	$-1.338 \cdot 10^{-6}$	$9.591 \cdot 10^{-21}$	$9.591 \cdot 10^{-21}$	$-2.669 \cdot 10^{-6}$

2.228 cutbd1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	$-5.227 \cdot 10^{-23}$	$-5.227 \cdot 10^{-23}$	$-1.339 \cdot 10^{-6}$	$3.218 \cdot 10^{-20}$	$3.218 \cdot 10^{-20}$	$-2.673 \cdot 10^{-6}$

2.229 cutbd8Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	$1.176 \cdot 10^{-26}$	$1.176 \cdot 10^{-26}$	$-1.276 \cdot 10^{-6}$	$2.239 \cdot 10^{-22}$	$2.239 \cdot 10^{-22}$	$-2.68 \cdot 10^{-6}$

2.230 cutbd8Re

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	$-6.97 \cdot 10^{-23}$	$-6.97 \cdot 10^{-23}$	$-1.32 \cdot 10^{-6}$	$2.911 \cdot 10^{-21}$	$2.911 \cdot 10^{-21}$	$-2.646 \cdot 10^{-6}$

2.231 cuu1

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$u\bar{u} \rightarrow c\bar{c}$	0.01737	0.01737	0	0.3191	0.3191	0
$u\bar{u} \rightarrow u\bar{u}$	−3.347	−3.347	0	5.231	5.231	0

2.232 cuu8

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$u\bar{u} \rightarrow c\bar{c}$	0.2547	0.2547	0	0.1719	0.1719	0
$u\bar{u} \rightarrow u\bar{u}$	−0.0004959	−0.0004959	$-1.008 \cdot 10^{-7}$	0.007179	0.007179	$-2.089 \cdot 10^{-7}$

2.233 sm

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \rightarrow HH$	0	0	0	0.1767	0.1767	0
$HH \rightarrow HHH$	0	0	0	$1.321 \cdot 10^{-8}$	$1.321 \cdot 10^{-8}$	0
$HH \rightarrow H\tau^+\tau^-$	0	0	0	$1.661 \cdot 10^{-10}$	$1.661 \cdot 10^{-10}$	0
$HH \rightarrow Hb\bar{b}$	0	0	0	$6.829 \cdot 10^{-9}$	$6.829 \cdot 10^{-9}$	0

$HH \rightarrow Hs\bar{s}$	0	0	0	$3.778 \cdot 10^{-12}$	$3.778 \cdot 10^{-12}$	0
$HH \rightarrow Ht\bar{t}$	0	0	0	$1.632 \cdot 10^{-5}$	$1.632 \cdot 10^{-5}$	0
$HH \rightarrow Hw\bar{u}$	0	0	0	$3.264 \cdot 10^{-16}$	$3.264 \cdot 10^{-16}$	0
$HH \rightarrow Hzz$	0	0	0	$6.828 \cdot 10^{-6}$	$6.828 \cdot 10^{-6}$	0
$HH \rightarrow W^+W^-$	0	0	0	0.3367	0.3367	0
$HH \rightarrow W^+W^-\gamma$	0	0	0	$3.364 \cdot 10^{-6}$	$3.364 \cdot 10^{-6}$	0
$HH \rightarrow W^+\bar{t}b$	0	0	0	$2.681 \cdot 10^{-5}$	$2.681 \cdot 10^{-5}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	0	0	0	$2.377 \cdot 10^{-7}$	$2.377 \cdot 10^{-7}$	0
$HH \rightarrow W^-u\bar{d}$	0	0	0	$1.164 \cdot 10^{-6}$	$1.164 \cdot 10^{-6}$	0
$HH \rightarrow z\bar{b}b$	0	0	0	$3.492 \cdot 10^{-7}$	$3.492 \cdot 10^{-7}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	0	0	0	$1.6 \cdot 10^{-7}$	$1.6 \cdot 10^{-7}$	0
$HH \rightarrow zc\bar{c}$	0	0	0	$2.494 \cdot 10^{-6}$	$2.494 \cdot 10^{-6}$	0
$HH \rightarrow zd\bar{d}$	0	0	0	$4.467 \cdot 10^{-7}$	$4.467 \cdot 10^{-7}$	0
$HH \rightarrow ze^+e^-$	0	0	0	$7.443 \cdot 10^{-8}$	$7.443 \cdot 10^{-8}$	0
$HH \rightarrow zt\bar{t}$	0	0	0	0.0001099	0.0001099	0
$HH \rightarrow zz$	0	0	0	5.263	5.263	0
$HW^+ \rightarrow \gamma t\bar{b}$	0	0	0	$6.994 \cdot 10^{-6}$	$6.994 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	0	0	0	$2.123 \cdot 10^{-7}$	$2.123 \cdot 10^{-7}$	0
$HW^+ \rightarrow u\bar{d}$	0	0	0	0.01857	0.01857	0
$HW^- \rightarrow \bar{t}b$	0	0	0	0.4306	0.4306	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	0	0	0	$2.948 \cdot 10^{-10}$	$2.948 \cdot 10^{-10}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0	0	0	0.007452	0.007452	0
$H\gamma \rightarrow b\bar{b}$	0	0	0	$8.495 \cdot 10^{-5}$	$8.495 \cdot 10^{-5}$	0
$H\gamma \rightarrow c\bar{c}$	0	0	0	$5.205 \cdot 10^{-5}$	$5.205 \cdot 10^{-5}$	0
$H\gamma \rightarrow d\bar{d}$	0	0	0	$1.69 \cdot 10^{-10}$	$1.69 \cdot 10^{-10}$	0
$H\gamma \rightarrow e^+e^-$	0	0	0	$8.928 \cdot 10^{-12}$	$8.928 \cdot 10^{-12}$	0
$H\gamma \rightarrow t\bar{t}$	0	0	0	2.341	2.341	0
$Hz \rightarrow \mu^+\mu^-$	0	0	0	0.001223	0.001223	0
$Hz \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.005414	0.005414	0

$H z \rightarrow b\bar{b}$	0	0	0	0.01079	0.01079	0
$H z \rightarrow s\bar{s}$	0	0	0	0.002803	0.002803	0
$H z \rightarrow t\bar{t}$	0	0	0	6.452	6.452	0
$H z \rightarrow u\bar{u}$	0	0	0	0.01151	0.01151	0
$W^+W^- \rightarrow Hb\bar{b}$	0	0	0	$1.453 \cdot 10^{-5}$	$1.453 \cdot 10^{-5}$	0
$W^+W^- \rightarrow Hc\bar{c}$	0	0	0	$3.795 \cdot 10^{-7}$	$3.795 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	0	0	0	$2.204 \cdot 10^{-6}$	$2.204 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	0	0	0	$7.602 \cdot 10^{-6}$	$7.602 \cdot 10^{-6}$	0
$W^+W^- \rightarrow W^+W^-$	0	0	0	26.54	26.54	0
$W^+W^- \rightarrow \gamma\gamma$	0	0	0	0.09284	0.09284	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	0	0	0	$6.386 \cdot 10^{-6}$	$6.386 \cdot 10^{-6}$	0
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.01576	0.01576	0
$\gamma W^+ \rightarrow zW^+$	0	0	0	0.1973	0.1973	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0	0	0	0.02493	0.02493	0
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.04074	0.04074	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.01193	0.01193	0
$b\bar{b} \rightarrow \gamma\gamma$	0	0	0	$7.482 \cdot 10^{-5}$	$7.482 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	0	0	0	0.001016	0.001016	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	0	0	0	0.001775	0.001775	0
$b\bar{b} \rightarrow b\bar{b}$	0	0	0	10.94	10.94	0
$b\bar{b} \rightarrow d\bar{d}$	0	0	0	0.6204	0.6204	0
$b\bar{b} \rightarrow t\bar{t}$	0	0	0	0.4167	0.4167	0
$b\bar{b} \rightarrow u\bar{u}$	0	0	0	0.5634	0.5634	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0	0	0	$2.783 \cdot 10^{-7}$	$2.783 \cdot 10^{-7}$	0
$c\bar{c} \rightarrow \mu^+\mu^-$	0	0	0	0.00523	0.00523	0
$c\bar{s} \rightarrow \tau^+\nu_\tau$	0	0	0	0.001074	0.001074	0
$d\bar{d} \rightarrow c\bar{c}$	0	0	0	0.8997	0.8997	0
$d\bar{d} \rightarrow e^+e^-$	0	0	0	0.002598	0.002598	0
$d\bar{d} \rightarrow s\bar{s}$	0	0	0	0.7932	0.7932	0

$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0	0	0	2.964	2.964	0
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	0	0	0	0.04079	0.04079	0
$e^+\nu_e \rightarrow e^+\nu_e$	0	0	0	0.1062	0.1062	0
$e^+\tau^- \rightarrow e^+\tau^-$	0	0	0	0.0167	0.0167	0
$e^+e^- \rightarrow \mu^+\mu^-$	0	0	0	0.006772	0.006772	0
$e^+e^- \rightarrow e^+e^-$	0	0	0	0.02126	0.02126	0
$gg \rightarrow gg$	0	0	0	60.52	60.52	0
$gg \rightarrow ggg$	0	0	0	0.01209	0.01209	0
$gg \rightarrow t\bar{t}$	0	0	0	0.3876	0.3876	0
$gg \rightarrow u\bar{u}$	0	0	0	0.9803	0.9803	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.0001925	0.0001925	0
$s\bar{s} \rightarrow s\bar{s}$	0	0	0	6.847	6.847	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.001327	0.001327	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0	0	0	0.001185	0.001185	0
$t\bar{t} \rightarrow c\bar{c}$	0	0	0	0.6012	0.6012	0
$t\bar{t} \rightarrow d\bar{d}$	0	0	0	0.5803	0.5803	0
$t\bar{t} \rightarrow s\bar{s}$	0	0	0	0.6182	0.6182	0
$t\bar{t} \rightarrow t\bar{t}$	0	0	0	1.555	1.555	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	0	0	0	0.01322	0.01322	0
$u\bar{d} \rightarrow c\bar{s}$	0	0	0	0.02478	0.02478	0
$u\bar{d} \rightarrow u\bar{d}$	0	0	0	10.41	10.41	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	0	0	0	0.0007744	0.0007744	0
$u\bar{u} \rightarrow c\bar{c}$	0	0	0	0.4948	0.4948	0
$u\bar{u} \rightarrow u\bar{u}$	0	0	0	3.817	3.817	0
$zz \rightarrow W^+W^-$	0	0	0	37.84	37.84	0
$zz \rightarrow zz$	0	0	0	0.0804	0.0804	0