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	-1.383	-1.383	0	2.163	2.163	0
cHDD	-0.11	-0.11	0	0.01458	0.01458	0
cHl3	-0.05362	-0.05362	0	0.003251	0.003251	0
cll1	0.02681	0.02681	0	0.0008127	0.0008127	0
sm	0	0	0	0.2076	0.2076	0

1.2 $HH \rightarrow HHH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$4.258 \cdot 10^{-6}$	$4.258 \cdot 10^{-6}$	0	$6.682 \cdot 10^{-5}$	$6.682 \cdot 10^{-5}$	0
cHDD	$3.854 \cdot 10^{-7}$	$3.854 \cdot 10^{-7}$	0	$4.905 \cdot 10^{-7}$	$4.905 \cdot 10^{-7}$	0
cHl3	$-2.468 \cdot 10^{-8}$	$-2.468 \cdot 10^{-8}$	0	$2.244 \cdot 10^{-9}$	$2.244 \cdot 10^{-9}$	0
cll1	$1.234 \cdot 10^{-8}$	$1.234 \cdot 10^{-8}$	0	$5.61 \cdot 10^{-10}$	$5.61 \cdot 10^{-10}$	0
sm	0	0	0	$7.569 \cdot 10^{-8}$	$7.569 \cdot 10^{-8}$	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	$-1.378 \cdot 10^{-10}$	$-1.378 \cdot 10^{-10}$	0	$4.732 \cdot 10^{-10}$	$4.732 \cdot 10^{-10}$	0
cHDD	$-9.988 \cdot 10^{-10}$	$-9.988 \cdot 10^{-10}$	0	$1.331 \cdot 10^{-10}$	$1.331 \cdot 10^{-10}$	0
cHl3	$-3.662 \cdot 10^{-12}$	$-3.662 \cdot 10^{-12}$	0	$3.33 \cdot 10^{-13}$	$3.33 \cdot 10^{-13}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ceHIm	$1.789 \cdot 10^{-14}$	$1.789 \cdot 10^{-14}$	$3.075 \cdot 10^{-6}$	$5.168 \cdot 10^{-11}$	$5.168 \cdot 10^{-11}$	$6.095 \cdot 10^{-6}$
ceHRe	$-9.734 \cdot 10^{-11}$	$-9.734 \cdot 10^{-11}$	$3.051 \cdot 10^{-6}$	$1.224 \cdot 10^{-10}$	$1.224 \cdot 10^{-10}$	$6.13 \cdot 10^{-6}$
cll1	$1.831 \cdot 10^{-12}$	$1.831 \cdot 10^{-12}$	0	$8.325 \cdot 10^{-14}$	$8.325 \cdot 10^{-14}$	0
sm	0	0	0	$1.874 \cdot 10^{-9}$	$1.874 \cdot 10^{-9}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-1.287 \cdot 10^{-8}$	$-1.287 \cdot 10^{-8}$	0	$2.171 \cdot 10^{-8}$	$2.171 \cdot 10^{-8}$	0
cHDD	$-4.906 \cdot 10^{-9}$	$-4.906 \cdot 10^{-9}$	0	$8.798 \cdot 10^{-10}$	$8.798 \cdot 10^{-10}$	0
cHl3	$-6.936 \cdot 10^{-10}$	$-6.936 \cdot 10^{-10}$	0	$6.307 \cdot 10^{-11}$	$6.307 \cdot 10^{-11}$	0
cbHIm	$-6.611 \cdot 10^{-11}$	$-6.611 \cdot 10^{-11}$	0	$2.989 \cdot 10^{-6}$	$2.989 \cdot 10^{-6}$	0
cbHRe	$-1.562 \cdot 10^{-7}$	$-1.562 \cdot 10^{-7}$	0	$6.581 \cdot 10^{-6}$	$6.581 \cdot 10^{-6}$	0
cll1	$3.468 \cdot 10^{-10}$	$3.468 \cdot 10^{-10}$	0	$1.577 \cdot 10^{-11}$	$1.577 \cdot 10^{-11}$	0
sm	0	0	0	$6.841 \cdot 10^{-9}$	$6.841 \cdot 10^{-9}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$-3.79 \cdot 10^{-12}$	$-3.79 \cdot 10^{-12}$	0	$1.121 \cdot 10^{-11}$	$1.121 \cdot 10^{-11}$	0
cHDD	$-3.96 \cdot 10^{-13}$	$-3.96 \cdot 10^{-13}$	0	$1.366 \cdot 10^{-13}$	$1.366 \cdot 10^{-13}$	0
cHl3	$-1.165 \cdot 10^{-13}$	$-1.165 \cdot 10^{-13}$	0	$1.059 \cdot 10^{-14}$	$1.059 \cdot 10^{-14}$	0
cdHIm	$-3.978 \cdot 10^{-19}$	$-3.978 \cdot 10^{-19}$	$3.268 \cdot 10^{-7}$	$6.982 \cdot 10^{-13}$	$6.982 \cdot 10^{-13}$	$6.302 \cdot 10^{-7}$
cdHRe	$-3.33 \cdot 10^{-12}$	$-3.33 \cdot 10^{-12}$	$3.003 \cdot 10^{-7}$	$3.319 \cdot 10^{-13}$	$3.319 \cdot 10^{-13}$	$6.327 \cdot 10^{-7}$
cll1	$5.824 \cdot 10^{-14}$	$5.824 \cdot 10^{-14}$	0	$2.648 \cdot 10^{-15}$	$2.648 \cdot 10^{-15}$	0
sm	0	0	0	$2.871 \cdot 10^{-13}$	$2.871 \cdot 10^{-13}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cH	$3.682 \cdot 10^{-5}$	$3.682 \cdot 10^{-5}$	0	$2.421 \cdot 10^{-5}$	$2.421 \cdot 10^{-5}$	0
cHDD	$-2.713 \cdot 10^{-6}$	$-2.713 \cdot 10^{-6}$	0	$6.66 \cdot 10^{-7}$	$6.66 \cdot 10^{-7}$	0
cHl3	$-6.028 \cdot 10^{-6}$	$-6.028 \cdot 10^{-6}$	0	$5.482 \cdot 10^{-7}$	$5.482 \cdot 10^{-7}$	0
cll1	$3.014 \cdot 10^{-6}$	$3.014 \cdot 10^{-6}$	0	$1.37 \cdot 10^{-7}$	$1.37 \cdot 10^{-7}$	0
ctHIm	$-3.195 \cdot 10^{-6}$	$-3.195 \cdot 10^{-6}$	0	$5.195 \cdot 10^{-5}$	$5.195 \cdot 10^{-5}$	0
ctHRe	$2.316 \cdot 10^{-5}$	$2.316 \cdot 10^{-5}$	0	$1.878 \cdot 10^{-5}$	$1.878 \cdot 10^{-5}$	0
sm	0	0	0	0.0001128	0.0001128	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cH	$-2.719 \cdot 10^{-13}$	$-2.719 \cdot 10^{-13}$	0	$4.665 \cdot 10^{-13}$	$4.665 \cdot 10^{-13}$	0
cHDD	$-2.619 \cdot 10^{-16}$	$-2.619 \cdot 10^{-16}$	0	$9.274 \cdot 10^{-17}$	$9.274 \cdot 10^{-17}$	0
cHl3	$-1.441 \cdot 10^{-14}$	$-1.441 \cdot 10^{-14}$	0	$1.31 \cdot 10^{-15}$	$1.31 \cdot 10^{-15}$	0
cll1	$7.205 \cdot 10^{-15}$	$7.205 \cdot 10^{-15}$	0	$3.276 \cdot 10^{-16}$	$3.276 \cdot 10^{-16}$	0
cuHIm	$-3.314 \cdot 10^{-26}$	$-3.314 \cdot 10^{-26}$	$-5.733 \cdot 10^{-7}$	$3.438 \cdot 10^{-16}$	$3.438 \cdot 10^{-16}$	$-1.454 \cdot 10^{-6}$
cuHRe	$-2.209 \cdot 10^{-16}$	$-2.209 \cdot 10^{-16}$	$-6.791 \cdot 10^{-7}$	$3.207 \cdot 10^{-16}$	$3.207 \cdot 10^{-16}$	$-1.434 \cdot 10^{-6}$
sm	0	0	0	$1.85 \cdot 10^{-16}$	$1.85 \cdot 10^{-16}$	0

1.8 $HH \to Hzz$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cH	$2.479 \cdot 10^{-5}$	$2.479 \cdot 10^{-5}$	0	$2.343 \cdot 10^{-5}$	$2.343 \cdot 10^{-5}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHB	$-3.705 \cdot 10^{-6}$	$-3.705 \cdot 10^{-6}$	0	$5.788 \cdot 10^{-7}$	$5.788 \cdot 10^{-7}$	0
cHBtil	$-4.36 \cdot 10^{-7}$	$-4.36 \cdot 10^{-7}$	0	$3.417 \cdot 10^{-6}$	$3.417 \cdot 10^{-6}$	0
cHDD	$1.252 \cdot 10^{-6}$	$1.252 \cdot 10^{-6}$	0	$5.402 \cdot 10^{-7}$	$5.402 \cdot 10^{-7}$	0
cHW	$6.365 \cdot 10^{-6}$	$6.365 \cdot 10^{-6}$	0	$5.873 \cdot 10^{-6}$	$5.873 \cdot 10^{-6}$	0
cHWB	$-6.711 \cdot 10^{-6}$	$-6.711 \cdot 10^{-6}$	0	$1.899 \cdot 10^{-6}$	$1.899 \cdot 10^{-6}$	0
cHWBtil	$3.771 \cdot 10^{-7}$	$3.771 \cdot 10^{-7}$	0	$9.219 \cdot 10^{-7}$	$9.219 \cdot 10^{-7}$	0
cHWtil	$-1.468 \cdot 10^{-6}$	$-1.468 \cdot 10^{-6}$	0	$1.305 \cdot 10^{-6}$	$1.305 \cdot 10^{-6}$	0
cHl3	$-6.97 \cdot 10^{-6}$	$-6.97 \cdot 10^{-6}$	0	$6.338 \cdot 10^{-7}$	$6.338 \cdot 10^{-7}$	0
cll1	$3.485 \cdot 10^{-6}$	$3.485 \cdot 10^{-6}$	0	$1.585 \cdot 10^{-7}$	$1.585 \cdot 10^{-7}$	0
sm	0	0	0	$7.704 \cdot 10^{-6}$	$7.704 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cH	1.388	1.388	0	0.1331	0.1331	0
cHDD	−0.43	−0.43	0	0.108	0.108	0
cHW	−0.0336	−0.0336	0	7.777	7.777	0
cHWB	−7.309	−7.309	0	4.584	4.584	0
cHWtil	$-9.895 \cdot 10^{-16}$	$-9.895 \cdot 10^{-16}$	0	7.764	7.764	0
cHl3	−9.749	−9.749	0	2.672	2.672	0
cll1	1.755	1.755	0	0.3669	0.3669	0
sm	0	0	0	0.1075	0.1075	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cH	$-1.147 \cdot 10^{-7}$	$-1.147 \cdot 10^{-7}$	0	$9.384 \cdot 10^{-8}$	$9.384 \cdot 10^{-8}$	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	$-5.835 \cdot 10^{-7}$	$-5.835 \cdot 10^{-7}$	0	$2.655 \cdot 10^{-6}$	$2.655 \cdot 10^{-6}$	0
cHBtil	$-4.619 \cdot 10^{-8}$	$-4.619 \cdot 10^{-8}$	0	$9.604 \cdot 10^{-8}$	$9.604 \cdot 10^{-8}$	0
cHDD	$-3.965 \cdot 10^{-6}$	$-3.965 \cdot 10^{-6}$	0	$1.008 \cdot 10^{-6}$	$1.008 \cdot 10^{-6}$	0
cHW	$4.276 \cdot 10^{-6}$	$4.276 \cdot 10^{-6}$	0	0.0001089	0.0001089	0
cHWB	$-9.291 \cdot 10^{-7}$	$-9.291 \cdot 10^{-7}$	0	$6.856 \cdot 10^{-5}$	$6.856 \cdot 10^{-5}$	0
cHWBtil	$-6.084 \cdot 10^{-7}$	$-6.084 \cdot 10^{-7}$	0	$2.356 \cdot 10^{-5}$	$2.356 \cdot 10^{-5}$	0
cHWtil	$8.209 \cdot 10^{-7}$	$8.209 \cdot 10^{-7}$	0	0.0001097	0.0001097	0
cHl3	$-9.091 \cdot 10^{-7}$	$-9.091 \cdot 10^{-7}$	0	$8.346 \cdot 10^{-7}$	$8.346 \cdot 10^{-7}$	0
cW	$5.155 \cdot 10^{-6}$	$5.155 \cdot 10^{-6}$	0	$1.124 \cdot 10^{-5}$	$1.124 \cdot 10^{-5}$	0
cWtil	$-2.998 \cdot 10^{-6}$	$-2.998 \cdot 10^{-6}$	0	$1.124 \cdot 10^{-5}$	$1.124 \cdot 10^{-5}$	0
cll1	$-1.524 \cdot 10^{-7}$	$-1.524 \cdot 10^{-7}$	0	$1.091 \cdot 10^{-7}$	$1.091 \cdot 10^{-7}$	0
sm	0	0	0	$9.029 \cdot 10^{-7}$	$9.029 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cH	$-1.672 \cdot 10^{-6}$	$-1.672 \cdot 10^{-6}$	0	$2.402 \cdot 10^{-6}$	$2.402 \cdot 10^{-6}$	0
cHDD	$-6.497 \cdot 10^{-7}$	$-6.497 \cdot 10^{-7}$	0	$3.654 \cdot 10^{-6}$	$3.654 \cdot 10^{-6}$	0
cHQ3	$1.104 \cdot 10^{-5}$	$1.104 \cdot 10^{-5}$	0	$1.561 \cdot 10^{-5}$	$1.561 \cdot 10^{-5}$	0
cHW	$6.216 \cdot 10^{-6}$	$6.216 \cdot 10^{-6}$	0	$5.943 \cdot 10^{-6}$	$5.943 \cdot 10^{-6}$	0
cHWB	$-1.723 \cdot 10^{-5}$	$-1.723 \cdot 10^{-5}$	0	$1.067 \cdot 10^{-5}$	$1.067 \cdot 10^{-5}$	0
cHWtil	$7.557 \cdot 10^{-7}$	$7.557 \cdot 10^{-7}$	0	$3.267 \cdot 10^{-6}$	$3.267 \cdot 10^{-6}$	0
cHl3	$-2.127 \cdot 10^{-5}$	$-2.127 \cdot 10^{-5}$	0	$1.682 \cdot 10^{-5}$	$1.682 \cdot 10^{-5}$	0
cHtbIm	$-4.546 \cdot 10^{-7}$	$-4.546 \cdot 10^{-7}$	0	$8.373 \cdot 10^{-6}$	$8.373 \cdot 10^{-6}$	0
cHtbRe	$-3.107 \cdot 10^{-6}$	$-3.107 \cdot 10^{-6}$	0	$2.783 \cdot 10^{-5}$	$2.783 \cdot 10^{-5}$	0
cbHIm	$-7.221 \cdot 10^{-8}$	$-7.221 \cdot 10^{-8}$	0	$4.494 \cdot 10^{-6}$	$4.494 \cdot 10^{-6}$	0
cbHRe	$-5.248 \cdot 10^{-7}$	$-5.248 \cdot 10^{-7}$	0	$3.064 \cdot 10^{-6}$	$3.064 \cdot 10^{-6}$	0
cbWIm	$3.613 \cdot 10^{-8}$	$3.613 \cdot 10^{-8}$	0	$7.936 \cdot 10^{-6}$	$7.936 \cdot 10^{-6}$	0
cbWRe	$-5.298 \cdot 10^{-7}$	$-5.298 \cdot 10^{-7}$	0	$6.273 \cdot 10^{-6}$	$6.273 \cdot 10^{-6}$	0

	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
cll1	$-4.282 \cdot 10^{-6}$	$-4.282 \cdot 10^{-6}$	0		$1.36 \cdot 10^{-6}$	$1.36 \cdot 10^{-6}$	0
ctHIm	$2.066 \cdot 10^{-6}$	$2.066 \cdot 10^{-6}$	0		0.0002857	0.0002857	0
ctHRe	$2.177 \cdot 10^{-5}$	$2.177 \cdot 10^{-5}$	0		$1.115 \cdot 10^{-5}$	$1.115 \cdot 10^{-5}$	0
ctWIm	$-1.127 \cdot 10^{-5}$	$-1.127 \cdot 10^{-5}$	0		$1.906 \cdot 10^{-5}$	$1.906 \cdot 10^{-5}$	0
ctWRe	$1.032 \cdot 10^{-5}$	$1.032 \cdot 10^{-5}$	0		$2.233 \cdot 10^{-5}$	$2.233 \cdot 10^{-5}$	0
sm	0	0	0		$7.439 \cdot 10^{-6}$	$7.439 \cdot 10^{-6}$	0

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

	interference				square		
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
cH	$3.573 \cdot 10^{-8}$	$3.573 \cdot 10^{-8}$	0		$3.786 \cdot 10^{-9}$	$3.786 \cdot 10^{-9}$	0
cHDD	$-4.458 \cdot 10^{-8}$	$-4.458 \cdot 10^{-8}$	0		$3.338 \cdot 10^{-9}$	$3.338 \cdot 10^{-9}$	0
cHW	$3.148 \cdot 10^{-7}$	$3.148 \cdot 10^{-7}$	0		$4.182 \cdot 10^{-6}$	$4.182 \cdot 10^{-6}$	0
cHWB	$-7.1 \cdot 10^{-7}$	$-7.1 \cdot 10^{-7}$	0		$4.207 \cdot 10^{-7}$	$4.207 \cdot 10^{-7}$	0
cHWtil	$-1.275 \cdot 10^{-7}$	$-1.275 \cdot 10^{-7}$	0		$9.902 \cdot 10^{-7}$	$9.902 \cdot 10^{-7}$	0
cHl3	$1.048 \cdot 10^{-6}$	$1.048 \cdot 10^{-6}$	0		$6.648 \cdot 10^{-7}$	$6.648 \cdot 10^{-7}$	0
ceHIm	$-3.046 \cdot 10^{-17}$	$-3.046 \cdot 10^{-17}$	$-1.608 \cdot 10^{-6}$		$1.073 \cdot 10^{-17}$	$1.073 \cdot 10^{-17}$	$-3.261 \cdot 10^{-6}$
ceHRe	$-6.184 \cdot 10^{-18}$	$-6.184 \cdot 10^{-18}$	$-1.601 \cdot 10^{-6}$		$3.03 \cdot 10^{-18}$	$3.03 \cdot 10^{-18}$	$-3.201 \cdot 10^{-6}$
ceWIm	$-1.063 \cdot 10^{-18}$	$-1.063 \cdot 10^{-18}$	$-1.599 \cdot 10^{-6}$		$1.275 \cdot 10^{-18}$	$1.275 \cdot 10^{-18}$	$-3.215 \cdot 10^{-6}$
ceWRe	$-1.972 \cdot 10^{-16}$	$-1.972 \cdot 10^{-16}$	$-1.623 \cdot 10^{-6}$		$2.201 \cdot 10^{-17}$	$2.201 \cdot 10^{-17}$	$-3.226 \cdot 10^{-6}$
cll1	$1.037 \cdot 10^{-7}$	$1.037 \cdot 10^{-7}$	0		$1.642 \cdot 10^{-8}$	$1.642 \cdot 10^{-8}$	0
sm	0	0	0		$1.367 \cdot 10^{-7}$	$1.367 \cdot 10^{-7}$	0

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

	interference				square		
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
cH	$1.47 \cdot 10^{-8}$	$1.47 \cdot 10^{-8}$	0		$2.771 \cdot 10^{-10}$	$2.771 \cdot 10^{-10}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-2.813 \cdot 10^{-7}$	$-2.813 \cdot 10^{-7}$	0	$3.706 \cdot 10^{-8}$	$3.706 \cdot 10^{-8}$	0
cHW	$7.391 \cdot 10^{-7}$	$7.391 \cdot 10^{-7}$	0	$3.011 \cdot 10^{-6}$	$3.011 \cdot 10^{-6}$	0
cHWB	$-6.285 \cdot 10^{-7}$	$-6.285 \cdot 10^{-7}$	0	$8.115 \cdot 10^{-8}$	$8.115 \cdot 10^{-8}$	0
cHWtil	$-1.684 \cdot 10^{-6}$	$-1.684 \cdot 10^{-6}$	0	$2.636 \cdot 10^{-5}$	$2.636 \cdot 10^{-5}$	0
cHj3	$2.802 \cdot 10^{-6}$	$2.802 \cdot 10^{-6}$	0	$3.479 \cdot 10^{-6}$	$3.479 \cdot 10^{-6}$	0
cHl3	$-5.917 \cdot 10^{-7}$	$-5.917 \cdot 10^{-7}$	0	$1.016 \cdot 10^{-7}$	$1.016 \cdot 10^{-7}$	0
cHudIm	$2.034 \cdot 10^{-26}$	$2.034 \cdot 10^{-26}$	$-1.377 \cdot 10^{-6}$	$2.981 \cdot 10^{-25}$	$2.981 \cdot 10^{-25}$	$-2.65 \cdot 10^{-6}$
cHudRe	$2.215 \cdot 10^{-24}$	$2.215 \cdot 10^{-24}$	$-1.354 \cdot 10^{-6}$	$4.04 \cdot 10^{-26}$	$4.04 \cdot 10^{-26}$	$-2.673 \cdot 10^{-6}$
cdHIm	$-1.332 \cdot 10^{-15}$	$-1.332 \cdot 10^{-15}$	$-6.007 \cdot 10^{-7}$	$4.669 \cdot 10^{-15}$	$4.669 \cdot 10^{-15}$	$-1.157 \cdot 10^{-6}$
cdHRe	$-8.038 \cdot 10^{-15}$	$-8.038 \cdot 10^{-15}$	$-5.847 \cdot 10^{-7}$	$7.203 \cdot 10^{-15}$	$7.203 \cdot 10^{-15}$	$-1.166 \cdot 10^{-6}$
cdWIm	$-6.945 \cdot 10^{-15}$	$-6.945 \cdot 10^{-15}$	$-5.759 \cdot 10^{-7}$	$2.552 \cdot 10^{-15}$	$2.552 \cdot 10^{-15}$	$-1.175 \cdot 10^{-6}$
cdWRe	$-5.548 \cdot 10^{-16}$	$-5.548 \cdot 10^{-16}$	$-5.768 \cdot 10^{-7}$	$6.196 \cdot 10^{-16}$	$6.196 \cdot 10^{-16}$	$-1.178 \cdot 10^{-6}$
cll1	$2.33 \cdot 10^{-7}$	$2.33 \cdot 10^{-7}$	0	$2.008 \cdot 10^{-8}$	$2.008 \cdot 10^{-8}$	0
cuHIm	$-2.244 \cdot 10^{-16}$	$-2.244 \cdot 10^{-16}$	$-7.575 \cdot 10^{-7}$	$1.546 \cdot 10^{-15}$	$1.546 \cdot 10^{-15}$	$-1.423 \cdot 10^{-6}$
cuHRe	$-1.572 \cdot 10^{-15}$	$-1.572 \cdot 10^{-15}$	$-6.998 \cdot 10^{-7}$	$1.531 \cdot 10^{-15}$	$1.531 \cdot 10^{-15}$	$-1.437 \cdot 10^{-6}$
cuWIm	$4.98 \cdot 10^{-18}$	$4.98 \cdot 10^{-18}$	$-7.229 \cdot 10^{-7}$	$7.452 \cdot 10^{-16}$	$7.452 \cdot 10^{-16}$	$-1.449 \cdot 10^{-6}$
cuWRe	$6.021 \cdot 10^{-16}$	$6.021 \cdot 10^{-16}$	$-7.142 \cdot 10^{-7}$	$5.459 \cdot 10^{-16}$	$5.459 \cdot 10^{-16}$	$-1.447 \cdot 10^{-6}$
sm	0	0	0	$5.598 \cdot 10^{-7}$	$5.598 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$1.237 \cdot 10^{-7}$	$1.237 \cdot 10^{-7}$	0	$2.176 \cdot 10^{-9}$	$2.176 \cdot 10^{-9}$	0
cHB	$1.071 \cdot 10^{-7}$	$1.071 \cdot 10^{-7}$	0	$4.704 \cdot 10^{-8}$	$4.704 \cdot 10^{-8}$	0
cHBtil	$-1.457 \cdot 10^{-8}$	$-1.457 \cdot 10^{-8}$	0	$6.834 \cdot 10^{-9}$	$6.834 \cdot 10^{-9}$	0
cHDD	$-1.3 \cdot 10^{-8}$	$-1.3 \cdot 10^{-8}$	0	$4.068 \cdot 10^{-8}$	$4.068 \cdot 10^{-8}$	0
cHQ1	$1.918 \cdot 10^{-5}$	$1.918 \cdot 10^{-5}$	0	$2.662 \cdot 10^{-5}$	$2.662 \cdot 10^{-5}$	0
cHQ3	$9.472 \cdot 10^{-7}$	$9.472 \cdot 10^{-7}$	0	$5.212 \cdot 10^{-7}$	$5.212 \cdot 10^{-7}$	0

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cHW	-0.0001031	-0.0001031	0	0.002035	0.002035	0
cHWB	$2.93 \cdot 10^{-7}$	$2.93 \cdot 10^{-7}$	0	$1.458 \cdot 10^{-7}$	$1.458 \cdot 10^{-7}$	0
cHWBtil	$5.464 \cdot 10^{-8}$	$5.464 \cdot 10^{-8}$	0	$4.96 \cdot 10^{-8}$	$4.96 \cdot 10^{-8}$	0
cHWtil	$-2.413 \cdot 10^{-7}$	$-2.413 \cdot 10^{-7}$	0	$1.577 \cdot 10^{-5}$	$1.577 \cdot 10^{-5}$	0
cHbq	$-9.605 \cdot 10^{-7}$	$-9.605 \cdot 10^{-7}$	0	$1.33 \cdot 10^{-5}$	$1.33 \cdot 10^{-5}$	0
cHl3	$-1.495 \cdot 10^{-6}$	$-1.495 \cdot 10^{-6}$	0	$1.603 \cdot 10^{-7}$	$1.603 \cdot 10^{-7}$	0
cbBIm	$-5.756 \cdot 10^{-9}$	$-5.756 \cdot 10^{-9}$	0	$1.085 \cdot 10^{-6}$	$1.085 \cdot 10^{-6}$	0
cbBRe	$7.469 \cdot 10^{-8}$	$7.469 \cdot 10^{-8}$	0	$4.118 \cdot 10^{-6}$	$4.118 \cdot 10^{-6}$	0
cbHIm	$-2.383 \cdot 10^{-8}$	$-2.383 \cdot 10^{-8}$	0	$4.241 \cdot 10^{-6}$	$4.241 \cdot 10^{-6}$	0
cbHRe	$-7.84 \cdot 10^{-8}$	$-7.84 \cdot 10^{-8}$	0	$4.185 \cdot 10^{-6}$	$4.185 \cdot 10^{-6}$	0
cbWIm	$-9.859 \cdot 10^{-9}$	$-9.859 \cdot 10^{-9}$	0	$9.897 \cdot 10^{-7}$	$9.897 \cdot 10^{-7}$	0
cbWRe	$-1.04 \cdot 10^{-7}$	$-1.04 \cdot 10^{-7}$	0	$2.687 \cdot 10^{-7}$	$2.687 \cdot 10^{-7}$	0
cll1	$7.476 \cdot 10^{-7}$	$7.476 \cdot 10^{-7}$	0	$4.006 \cdot 10^{-8}$	$4.006 \cdot 10^{-8}$	0
sm	0	0	0	$6.748 \cdot 10^{-7}$	$6.748 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
cH	$3.935 \cdot 10^{-10}$	$3.935 \cdot 10^{-10}$	0	$5.222 \cdot 10^{-11}$	$5.222 \cdot 10^{-11}$	0
cHB	$5.115 \cdot 10^{-8}$	$5.115 \cdot 10^{-8}$	0	$3.233 \cdot 10^{-8}$	$3.233 \cdot 10^{-8}$	0
cHBtil	$-5.187 \cdot 10^{-6}$	$-5.187 \cdot 10^{-6}$	0	$5.383 \cdot 10^{-6}$	$5.383 \cdot 10^{-6}$	0
cHDD	$-2.594 \cdot 10^{-9}$	$-2.594 \cdot 10^{-9}$	0	$9.557 \cdot 10^{-9}$	$9.557 \cdot 10^{-9}$	0
cHW	$-4.937 \cdot 10^{-8}$	$-4.937 \cdot 10^{-8}$	0	$3.547 \cdot 10^{-7}$	$3.547 \cdot 10^{-7}$	0
cHWB	$9.266 \cdot 10^{-8}$	$9.266 \cdot 10^{-8}$	0	$1.061 \cdot 10^{-7}$	$1.061 \cdot 10^{-7}$	0
cHWBtil	$4.551 \cdot 10^{-9}$	$4.551 \cdot 10^{-9}$	0	$4.463 \cdot 10^{-8}$	$4.463 \cdot 10^{-8}$	0
cHWtil	$2.25 \cdot 10^{-7}$	$2.25 \cdot 10^{-7}$	0	$7.335 \cdot 10^{-7}$	$7.335 \cdot 10^{-7}$	0
cHl1	$-5.152 \cdot 10^{-7}$	$-5.152 \cdot 10^{-7}$	0	$6.471 \cdot 10^{-8}$	$6.471 \cdot 10^{-8}$	0
cHl3	$7.478 \cdot 10^{-7}$	$7.478 \cdot 10^{-7}$	0	$1.373 \cdot 10^{-6}$	$1.373 \cdot 10^{-6}$	0

cll1	$1.851 \cdot 10^{-8}$	$1.851 \cdot 10^{-8}$	0	$8.416 \cdot 10^{-10}$	$8.416 \cdot 10^{-10}$	0
sm	0	0	0	$7.962 \cdot 10^{-8}$	$7.962 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cH	$3.206 \cdot 10^{-6}$	$3.206 \cdot 10^{-6}$	0	$4.432 \cdot 10^{-6}$	$4.432 \cdot 10^{-6}$	0
cHB	$3.339 \cdot 10^{-8}$	$3.339 \cdot 10^{-8}$	0	$7.126 \cdot 10^{-7}$	$7.126 \cdot 10^{-7}$	0
cHBtil	$1.515 \cdot 10^{-9}$	$1.515 \cdot 10^{-9}$	0	$4.837 \cdot 10^{-7}$	$4.837 \cdot 10^{-7}$	0
cHDD	$-5.568 \cdot 10^{-9}$	$-5.568 \cdot 10^{-9}$	0	$1.208 \cdot 10^{-9}$	$1.208 \cdot 10^{-9}$	0
cHW	$4.259 \cdot 10^{-7}$	$4.259 \cdot 10^{-7}$	0	$7.935 \cdot 10^{-7}$	$7.935 \cdot 10^{-7}$	0
cHWB	$1.348 \cdot 10^{-7}$	$1.348 \cdot 10^{-7}$	0	$6.873 \cdot 10^{-7}$	$6.873 \cdot 10^{-7}$	0
cHWBtil	$-1.616 \cdot 10^{-7}$	$-1.616 \cdot 10^{-7}$	0	$2.517 \cdot 10^{-7}$	$2.517 \cdot 10^{-7}$	0
cHWtil	$-5.336 \cdot 10^{-9}$	$-5.336 \cdot 10^{-9}$	0	$3.292 \cdot 10^{-7}$	$3.292 \cdot 10^{-7}$	0
cHj1	$-5.495 \cdot 10^{-6}$	$-5.495 \cdot 10^{-6}$	0	$1.835 \cdot 10^{-5}$	$1.835 \cdot 10^{-5}$	0
cHj3	$9.995 \cdot 10^{-7}$	$9.995 \cdot 10^{-7}$	0	$1.456 \cdot 10^{-6}$	$1.456 \cdot 10^{-6}$	0
cHl3	$-3.727 \cdot 10^{-7}$	$-3.727 \cdot 10^{-7}$	0	$4.838 \cdot 10^{-8}$	$4.838 \cdot 10^{-8}$	0
cHu	$4.512 \cdot 10^{-7}$	$4.512 \cdot 10^{-7}$	0	$1.456 \cdot 10^{-6}$	$1.456 \cdot 10^{-6}$	0
cll1	$1.864 \cdot 10^{-7}$	$1.864 \cdot 10^{-7}$	0	$1.21 \cdot 10^{-8}$	$1.21 \cdot 10^{-8}$	0
cuBIm	$1.009 \cdot 10^{-12}$	$1.009 \cdot 10^{-12}$	$9.912 \cdot 10^{-8}$	$4.438 \cdot 10^{-12}$	$4.438 \cdot 10^{-12}$	$2.704 \cdot 10^{-7}$
cuBRe	$2.459 \cdot 10^{-11}$	$2.459 \cdot 10^{-11}$	$1.22 \cdot 10^{-7}$	$4.451 \cdot 10^{-12}$	$4.451 \cdot 10^{-12}$	$2.92 \cdot 10^{-7}$
cuHIm	$-1.934 \cdot 10^{-11}$	$-1.934 \cdot 10^{-11}$	$1.034 \cdot 10^{-7}$	$2.358 \cdot 10^{-10}$	$2.358 \cdot 10^{-10}$	$2.969 \cdot 10^{-7}$
cuHRe	$-5.049 \cdot 10^{-11}$	$-5.049 \cdot 10^{-11}$	$1.387 \cdot 10^{-7}$	$1.734 \cdot 10^{-10}$	$1.734 \cdot 10^{-10}$	$2.884 \cdot 10^{-7}$
cuWIm	$-8.463 \cdot 10^{-12}$	$-8.463 \cdot 10^{-12}$	$1.418 \cdot 10^{-7}$	$2.44 \cdot 10^{-11}$	$2.44 \cdot 10^{-11}$	$2.868 \cdot 10^{-7}$
cuWRe	$-1.973 \cdot 10^{-10}$	$-1.973 \cdot 10^{-10}$	$1.521 \cdot 10^{-7}$	$6.769 \cdot 10^{-11}$	$6.769 \cdot 10^{-11}$	$2.807 \cdot 10^{-7}$
sm	0	0	0	$3.811 \cdot 10^{-7}$	$3.811 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	$5.666 \cdot 10^{-9}$	$5.666 \cdot 10^{-9}$	0	$3.055 \cdot 10^{-10}$	$3.055 \cdot 10^{-10}$	0
cHB	$1.107 \cdot 10^{-7}$	$1.107 \cdot 10^{-7}$	0	$4.292 \cdot 10^{-8}$	$4.292 \cdot 10^{-8}$	0
cHBtil	$-1.017 \cdot 10^{-7}$	$-1.017 \cdot 10^{-7}$	0	$2.05 \cdot 10^{-6}$	$2.05 \cdot 10^{-6}$	0
cHDD	$-1.398 \cdot 10^{-6}$	$-1.398 \cdot 10^{-6}$	0	$1.229 \cdot 10^{-6}$	$1.229 \cdot 10^{-6}$	0
cHW	$2.24 \cdot 10^{-6}$	$2.24 \cdot 10^{-6}$	0	$4.949 \cdot 10^{-5}$	$4.949 \cdot 10^{-5}$	0
cHWB	$3.011 \cdot 10^{-7}$	$3.011 \cdot 10^{-7}$	0	$1.338 \cdot 10^{-7}$	$1.338 \cdot 10^{-7}$	0
cHWBtil	$6.924 \cdot 10^{-7}$	$6.924 \cdot 10^{-7}$	0	$1.77 \cdot 10^{-6}$	$1.77 \cdot 10^{-6}$	0
cHWtil	$5.219 \cdot 10^{-6}$	$5.219 \cdot 10^{-6}$	0	$2.343 \cdot 10^{-5}$	$2.343 \cdot 10^{-5}$	0
cHd	$-1.077 \cdot 10^{-6}$	$-1.077 \cdot 10^{-6}$	0	$3.256 \cdot 10^{-6}$	$3.256 \cdot 10^{-6}$	0
cHj1	$1.079 \cdot 10^{-6}$	$1.079 \cdot 10^{-6}$	0	$5.26 \cdot 10^{-7}$	$5.26 \cdot 10^{-7}$	0
cHj3	$1.34 \cdot 10^{-6}$	$1.34 \cdot 10^{-6}$	0	$2.691 \cdot 10^{-7}$	$2.691 \cdot 10^{-7}$	0
cHl3	$-1.578 \cdot 10^{-7}$	$-1.578 \cdot 10^{-7}$	0	$1.687 \cdot 10^{-8}$	$1.687 \cdot 10^{-8}$	0
cdBIm	$-3.496 \cdot 10^{-16}$	$-3.496 \cdot 10^{-16}$	$-5.721 \cdot 10^{-7}$	$1.312 \cdot 10^{-16}$	$1.312 \cdot 10^{-16}$	$-1.144 \cdot 10^{-6}$
cdBRe	$3.011 \cdot 10^{-15}$	$3.011 \cdot 10^{-15}$	$-5.977 \cdot 10^{-7}$	$2.214 \cdot 10^{-16}$	$2.214 \cdot 10^{-16}$	$-1.174 \cdot 10^{-6}$
cdHIm	$-1.096 \cdot 10^{-14}$	$-1.096 \cdot 10^{-14}$	$-5.474 \cdot 10^{-7}$	$5.134 \cdot 10^{-14}$	$5.134 \cdot 10^{-14}$	$-1.188 \cdot 10^{-6}$
cdHRe	$6.749 \cdot 10^{-18}$	$6.749 \cdot 10^{-18}$	$-5.927 \cdot 10^{-7}$	$2.163 \cdot 10^{-15}$	$2.163 \cdot 10^{-15}$	$-1.156 \cdot 10^{-6}$
cdWIm	$-1.386 \cdot 10^{-14}$	$-1.386 \cdot 10^{-14}$	$-5.773 \cdot 10^{-7}$	$1.093 \cdot 10^{-15}$	$1.093 \cdot 10^{-15}$	$-1.189 \cdot 10^{-6}$
cdWRe	$5.455 \cdot 10^{-15}$	$5.455 \cdot 10^{-15}$	$-5.866 \cdot 10^{-7}$	$7.266 \cdot 10^{-16}$	$7.266 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
cll1	$7.891 \cdot 10^{-8}$	$7.891 \cdot 10^{-8}$	0	$4.218 \cdot 10^{-9}$	$4.218 \cdot 10^{-9}$	0
sm	0	0	0	$1.281 \cdot 10^{-6}$	$1.281 \cdot 10^{-6}$	0

1.18 $HH \to ze^{+}e^{-}$

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

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cH	$2.67 \cdot 10^{-8}$	$2.67 \cdot 10^{-8}$	0	$9.816 \cdot 10^{-8}$	$9.816 \cdot 10^{-8}$	0
cHB	$1.999 \cdot 10^{-8}$	$1.999 \cdot 10^{-8}$	0	$7.274 \cdot 10^{-7}$	$7.274 \cdot 10^{-7}$	0
cHBtil	$1.966 \cdot 10^{-9}$	$1.966 \cdot 10^{-9}$	0	$1.063 \cdot 10^{-6}$	$1.063 \cdot 10^{-6}$	0
cHDD	$1.338 \cdot 10^{-9}$	$1.338 \cdot 10^{-9}$	0	$6.044 \cdot 10^{-10}$	$6.044 \cdot 10^{-10}$	0
cHW	$3.518 \cdot 10^{-7}$	$3.518 \cdot 10^{-7}$	0	$1.587 \cdot 10^{-6}$	$1.587 \cdot 10^{-6}$	0
cHWB	$4.042 \cdot 10^{-8}$	$4.042 \cdot 10^{-8}$	0	$4.887 \cdot 10^{-7}$	$4.887 \cdot 10^{-7}$	0
cHWBtil	$7.445 \cdot 10^{-9}$	$7.445 \cdot 10^{-9}$	0	$8.53 \cdot 10^{-7}$	$8.53 \cdot 10^{-7}$	0
cHWtil	$-3.942 \cdot 10^{-8}$	$-3.942 \cdot 10^{-8}$	0	$1.578 \cdot 10^{-7}$	$1.578 \cdot 10^{-7}$	0
cHe	$-2.469 \cdot 10^{-7}$	$-2.469 \cdot 10^{-7}$	0	$6.545 \cdot 10^{-8}$	$6.545 \cdot 10^{-8}$	0
cHl1	$7.377 \cdot 10^{-7}$	$7.377 \cdot 10^{-7}$	0	$1.494 \cdot 10^{-6}$	$1.494 \cdot 10^{-6}$	0
cHl3	$4.477 \cdot 10^{-8}$	$4.477 \cdot 10^{-8}$	0	$3.428 \cdot 10^{-9}$	$3.428 \cdot 10^{-9}$	0
ceBIm	$-2.684 \cdot 10^{-19}$	$-2.684 \cdot 10^{-19}$	$-1.602 \cdot 10^{-6}$	$5.688 \cdot 10^{-19}$	$5.688 \cdot 10^{-19}$	$-3.217 \cdot 10^{-6}$
ceBRe	$-1.836 \cdot 10^{-19}$	$-1.836 \cdot 10^{-19}$	$-1.634 \cdot 10^{-6}$	$3.758 \cdot 10^{-19}$	$3.758 \cdot 10^{-19}$	$-3.22 \cdot 10^{-6}$
ceHIm	$2.948 \cdot 10^{-18}$	$2.948 \cdot 10^{-18}$	$-1.628 \cdot 10^{-6}$	$8.969 \cdot 10^{-18}$	$8.969 \cdot 10^{-18}$	$-3.211 \cdot 10^{-6}$
ceHRe	$-9.548 \cdot 10^{-19}$	$-9.548 \cdot 10^{-19}$	$-1.602 \cdot 10^{-6}$	$2.652 \cdot 10^{-18}$	$2.652 \cdot 10^{-18}$	$-3.242 \cdot 10^{-6}$
ceWIm	$-4.863 \cdot 10^{-19}$	$-4.863 \cdot 10^{-19}$	$-1.625 \cdot 10^{-6}$	$1.866 \cdot 10^{-18}$	$1.866 \cdot 10^{-18}$	$-3.215 \cdot 10^{-6}$
ceWRe	$-2.937 \cdot 10^{-18}$	$-2.937 \cdot 10^{-18}$	$-1.6 \cdot 10^{-6}$	$1.375 \cdot 10^{-18}$	$1.375 \cdot 10^{-18}$	$-3.272 \cdot 10^{-6}$
cll1	$5.404 \cdot 10^{-8}$	$5.404 \cdot 10^{-8}$	0	$4.448 \cdot 10^{-9}$	$4.448 \cdot 10^{-9}$	0
sm	0	0	0	$1.342 \cdot 10^{-8}$	$1.342 \cdot 10^{-8}$	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	$1.238 \cdot 10^{-5}$	$1.238 \cdot 10^{-5}$	0	$4.697 \cdot 10^{-7}$	$4.697 \cdot 10^{-7}$	0
cHB	$-2.377 \cdot 10^{-6}$	$-2.377 \cdot 10^{-6}$	0	$3.66 \cdot 10^{-7}$	$3.66 \cdot 10^{-7}$	0
cHBtil	$1.107 \cdot 10^{-6}$	$1.107 \cdot 10^{-6}$	0	$5.95 \cdot 10^{-7}$	$5.95 \cdot 10^{-7}$	0
cHDD	$-2.269 \cdot 10^{-6}$	$-2.269 \cdot 10^{-6}$	0	$2.421 \cdot 10^{-6}$	$2.421 \cdot 10^{-6}$	0
cHQ1	$5.037 \cdot 10^{-5}$	$5.037 \cdot 10^{-5}$	0	$3.618 \cdot 10^{-5}$	$3.618 \cdot 10^{-5}$	0

	interference			square		
cHQ3	$-1.579 \cdot 10^{-5}$	$-1.579 \cdot 10^{-5}$	0	$1.164 \cdot 10^{-5}$	$1.164 \cdot 10^{-5}$	0
cHW	-0.0001097	-0.0001097	0	$1.912 \cdot 10^{-5}$	$1.912 \cdot 10^{-5}$	0
cHWB	$-5.129 \cdot 10^{-6}$	$-5.129 \cdot 10^{-6}$	0	$4.352 \cdot 10^{-7}$	$4.352 \cdot 10^{-7}$	0
cHWBtil	$-3.954 \cdot 10^{-8}$	$-3.954 \cdot 10^{-8}$	0	$2.023 \cdot 10^{-6}$	$2.023 \cdot 10^{-6}$	0
cHWtil	$1.801 \cdot 10^{-6}$	$1.801 \cdot 10^{-6}$	0	$1.27 \cdot 10^{-6}$	$1.27 \cdot 10^{-6}$	0
cHl3	-0.0001075	-0.0001075	0	$1.094 \cdot 10^{-5}$	$1.094 \cdot 10^{-5}$	0
cHt	-0.0001561	-0.0001561	0	0.0001088	0.0001088	0
cll1	$5.377 \cdot 10^{-5}$	$5.377 \cdot 10^{-5}$	0	$2.736 \cdot 10^{-6}$	$2.736 \cdot 10^{-6}$	0
ctBIm	$8.641 \cdot 10^{-7}$	$8.641 \cdot 10^{-7}$	0	$1.945 \cdot 10^{-5}$	$1.945 \cdot 10^{-5}$	0
ctBRe	$7.747 \cdot 10^{-7}$	$7.747 \cdot 10^{-7}$	0	$1.494 \cdot 10^{-5}$	$1.494 \cdot 10^{-5}$	0
ctHIm	$-5.251 \cdot 10^{-6}$	$-5.251 \cdot 10^{-6}$	0	$5.339 \cdot 10^{-6}$	$5.339 \cdot 10^{-6}$	0
ctHRe	$-2.04 \cdot 10^{-5}$	$-2.04 \cdot 10^{-5}$	0	$6.828 \cdot 10^{-6}$	$6.828 \cdot 10^{-6}$	0
ctWIm	$7.362 \cdot 10^{-8}$	$7.362 \cdot 10^{-8}$	0	$7.492 \cdot 10^{-6}$	$7.492 \cdot 10^{-6}$	0
ctWRe	$1.54 \cdot 10^{-7}$	$1.54 \cdot 10^{-7}$	0	$3.247 \cdot 10^{-5}$	$3.247 \cdot 10^{-5}$	0
sm	0	0	0	0.0001472	0.0001472	0

1.20 $HH \to zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cH	0.1894	0.1894	0	0.06606	0.06606	0
cHB	0.006398	0.006398	0	0.2054	0.2054	0
cHBtil	$1.9 \cdot 10^{-16}$	$1.9 \cdot 10^{-16}$	0	0.325	0.325	0
cHDD	-0.05867	-0.05867	0	0.4517	0.4517	0
cHW	0.105	0.105	0	2.687	2.687	0
cHWB	0.01159	0.01159	0	0.6739	0.6739	0
cHWBtil	$-1.537 \cdot 10^{-17}$	$-1.537 \cdot 10^{-17}$	0	0.6679	0.6679	0
cHWtil	$-6.614 \cdot 10^{-17}$	$-6.614 \cdot 10^{-17}$	0	2.197	2.197	0
cHl3	-0.05173	-0.05173	0	0.003136	0.003136	0

	interference			square		
cll1	0.02587	0.02587	0	0.0007841	0.0007841	0
sm	0	0	0	0.07768	0.07768	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	$-1.266 \cdot 10^{-7}$	$-1.266 \cdot 10^{-7}$	0	$1.858 \cdot 10^{-8}$	$1.858 \cdot 10^{-8}$	0
cHBtil	$1.724 \cdot 10^{-8}$	$1.724 \cdot 10^{-8}$	0	$3.493 \cdot 10^{-8}$	$3.493 \cdot 10^{-8}$	0
cHDD	$-1.227 \cdot 10^{-6}$	$-1.227 \cdot 10^{-6}$	0	$7.379 \cdot 10^{-8}$	$7.379 \cdot 10^{-8}$	0
cHQ3	$-2.46 \cdot 10^{-7}$	$-2.46 \cdot 10^{-7}$	0	$2.776 \cdot 10^{-7}$	$2.776 \cdot 10^{-7}$	0
cHW	$5.9 \cdot 10^{-5}$	$5.9 \cdot 10^{-5}$	0	$6.041 \cdot 10^{-7}$	$6.041 \cdot 10^{-7}$	0
cHWB	$-2.301 \cdot 10^{-6}$	$-2.301 \cdot 10^{-6}$	0	$7.941 \cdot 10^{-7}$	$7.941 \cdot 10^{-7}$	0
cHWBtil	$-5.083 \cdot 10^{-7}$	$-5.083 \cdot 10^{-7}$	0	$1.558 \cdot 10^{-6}$	$1.558 \cdot 10^{-6}$	0
cHWtil	$1.967 \cdot 10^{-7}$	$1.967 \cdot 10^{-7}$	0	$2.128 \cdot 10^{-7}$	$2.128 \cdot 10^{-7}$	0
cHl3	$-1.007 \cdot 10^{-6}$	$-1.007 \cdot 10^{-6}$	0	$1.018 \cdot 10^{-7}$	$1.018 \cdot 10^{-7}$	0
cHtbIm	$-1.124 \cdot 10^{-9}$	$-1.124 \cdot 10^{-9}$	0	$9.413 \cdot 10^{-8}$	$9.413 \cdot 10^{-8}$	0
cHtbRe	$-3.822 \cdot 10^{-8}$	$-3.822 \cdot 10^{-8}$	0	$1.085 \cdot 10^{-7}$	$1.085 \cdot 10^{-7}$	0
cW	$2.58 \cdot 10^{-6}$	$2.58 \cdot 10^{-6}$	0	$2.177 \cdot 10^{-7}$	$2.177 \cdot 10^{-7}$	0
cWtil	$5.399 \cdot 10^{-8}$	$5.399 \cdot 10^{-8}$	0	$2.177 \cdot 10^{-7}$	$2.177 \cdot 10^{-7}$	0
cbBIm	$3.597 \cdot 10^{-8}$	$3.597 \cdot 10^{-8}$	0	$3.738 \cdot 10^{-6}$	$3.738 \cdot 10^{-6}$	0
cbBRe	$1.509 \cdot 10^{-7}$	$1.509 \cdot 10^{-7}$	0	$9.389 \cdot 10^{-6}$	$9.389 \cdot 10^{-6}$	0
cbHIm	$-3.572 \cdot 10^{-9}$	$-3.572 \cdot 10^{-9}$	0	$4.856 \cdot 10^{-8}$	$4.856 \cdot 10^{-8}$	0
cbHRe	$9.933 \cdot 10^{-10}$	$9.933 \cdot 10^{-10}$	0	$8.358 \cdot 10^{-9}$	$8.358 \cdot 10^{-9}$	0
cbWIm	$4.948 \cdot 10^{-8}$	$4.948 \cdot 10^{-8}$	0	$4.661 \cdot 10^{-6}$	$4.661 \cdot 10^{-6}$	0
cbWRe	$1.143 \cdot 10^{-5}$	$1.143 \cdot 10^{-5}$	0	$4.894 \cdot 10^{-5}$	$4.894 \cdot 10^{-5}$	0
cll1	$3.992 \cdot 10^{-7}$	$3.992 \cdot 10^{-7}$	0	$1.999 \cdot 10^{-8}$	$1.999 \cdot 10^{-8}$	0
ctBIm	$-5.51 \cdot 10^{-7}$	$-5.51 \cdot 10^{-7}$	0	$1.592 \cdot 10^{-6}$	$1.592 \cdot 10^{-6}$	0
ctBRe	$2.864 \cdot 10^{-7}$	$2.864 \cdot 10^{-7}$	0	$7.095 \cdot 10^{-7}$	$7.095 \cdot 10^{-7}$	0

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
ctHIm	$-3.877 \cdot 10^{-10}$	$-3.877 \cdot 10^{-10}$	0	$8.566 \cdot 10^{-9}$	$8.566 \cdot 10^{-9}$	0
ctHRe	$3.775 \cdot 10^{-5}$	$3.775 \cdot 10^{-5}$	0	$2.536 \cdot 10^{-6}$	$2.536 \cdot 10^{-6}$	0
ctWIm	$-1.07 \cdot 10^{-7}$	$-1.07 \cdot 10^{-7}$	0	$1.181 \cdot 10^{-6}$	$1.181 \cdot 10^{-6}$	0
ctWRe	$-3.813 \cdot 10^{-7}$	$-3.813 \cdot 10^{-7}$	0	$2.461 \cdot 10^{-6}$	$2.461 \cdot 10^{-6}$	0
sm	0	0	0	$6.351 \cdot 10^{-6}$	$6.351 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
cHB	$5.154 \cdot 10^{-9}$	$5.154 \cdot 10^{-9}$	0	$6.809 \cdot 10^{-9}$	$6.809 \cdot 10^{-9}$	0
cHBtil	$6.002 \cdot 10^{-8}$	$6.002 \cdot 10^{-8}$	0	$6.302 \cdot 10^{-7}$	$6.302 \cdot 10^{-7}$	0
cHDD	$-1.08 \cdot 10^{-8}$	$-1.08 \cdot 10^{-8}$	0	$4.351 \cdot 10^{-10}$	$4.351 \cdot 10^{-10}$	0
cHW	$9.632 \cdot 10^{-8}$	$9.632 \cdot 10^{-8}$	0	$3.405 \cdot 10^{-7}$	$3.405 \cdot 10^{-7}$	0
cHWB	$-3.295 \cdot 10^{-8}$	$-3.295 \cdot 10^{-8}$	0	$2.565 \cdot 10^{-7}$	$2.565 \cdot 10^{-7}$	0
cHWBtil	$-5.119 \cdot 10^{-8}$	$-5.119 \cdot 10^{-8}$	0	$7.566 \cdot 10^{-7}$	$7.566 \cdot 10^{-7}$	0
cHWtil	$5.773 \cdot 10^{-8}$	$5.773 \cdot 10^{-8}$	0	$3.838 \cdot 10^{-7}$	$3.838 \cdot 10^{-7}$	0
cHj3	$1.494 \cdot 10^{-7}$	$1.494 \cdot 10^{-7}$	0	$1.098 \cdot 10^{-7}$	$1.098 \cdot 10^{-7}$	0
cHl3	$-3.903 \cdot 10^{-7}$	$-3.903 \cdot 10^{-7}$	0	$3.922 \cdot 10^{-8}$	$3.922 \cdot 10^{-8}$	0
cHudIm	$8.852 \cdot 10^{-27}$	$8.852 \cdot 10^{-27}$	$-1.333 \cdot 10^{-6}$	$9.302 \cdot 10^{-28}$	$9.302 \cdot 10^{-28}$	$-2.666 \cdot 10^{-6}$
cHudRe	$-3.615 \cdot 10^{-26}$	$-3.615 \cdot 10^{-26}$	$-1.328 \cdot 10^{-6}$	$1.331 \cdot 10^{-26}$	$1.331 \cdot 10^{-26}$	$-2.629 \cdot 10^{-6}$
cW	$-5.51 \cdot 10^{-9}$	$-5.51 \cdot 10^{-9}$	0	$8.107 \cdot 10^{-9}$	$8.107 \cdot 10^{-9}$	0
cWtil	$1.255 \cdot 10^{-8}$	$1.255 \cdot 10^{-8}$	0	$8.107 \cdot 10^{-9}$	$8.107 \cdot 10^{-9}$	0
cdBIm	$-2.108 \cdot 10^{-17}$	$-2.108 \cdot 10^{-17}$	$-6.166 \cdot 10^{-7}$	$2.871 \cdot 10^{-16}$	$2.871 \cdot 10^{-16}$	$-1.184 \cdot 10^{-6}$
cdBRe	$1.309 \cdot 10^{-18}$	$1.309 \cdot 10^{-18}$	$-6.11 \cdot 10^{-7}$	$6.829 \cdot 10^{-17}$	$6.829 \cdot 10^{-17}$	$-1.172 \cdot 10^{-6}$
cdHIm	$3.261 \cdot 10^{-18}$	$3.261 \cdot 10^{-18}$	$-6.133 \cdot 10^{-7}$	$3.812 \cdot 10^{-18}$	$3.812 \cdot 10^{-18}$	$-1.181 \cdot 10^{-6}$
cdHRe	$3.672 \cdot 10^{-17}$	$3.672 \cdot 10^{-17}$	$-5.991 \cdot 10^{-7}$	$1.916 \cdot 10^{-18}$	$1.916 \cdot 10^{-18}$	$-1.149 \cdot 10^{-6}$
cdWIm	$-5.885 \cdot 10^{-18}$	$-5.885 \cdot 10^{-18}$	$-5.777 \cdot 10^{-7}$	$3.687 \cdot 10^{-16}$	$3.687 \cdot 10^{-16}$	$-1.166 \cdot 10^{-6}$
cdWRe	$2.691 \cdot 10^{-17}$	$2.691 \cdot 10^{-17}$	$-5.946 \cdot 10^{-7}$	$2.403 \cdot 10^{-15}$	$2.403 \cdot 10^{-15}$	$-1.165 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cll1	$2.283 \cdot 10^{-7}$	$2.283 \cdot 10^{-7}$	0	$1.147 \cdot 10^{-8}$	$1.147 \cdot 10^{-8}$	0
cuBIm	$-2.47 \cdot 10^{-16}$	$-2.47 \cdot 10^{-16}$	$-7.287 \cdot 10^{-7}$	$4.531 \cdot 10^{-16}$	$4.531 \cdot 10^{-16}$	$-1.435 \cdot 10^{-6}$
cuBRe	$7.907 \cdot 10^{-16}$	$7.907 \cdot 10^{-16}$	$-7.335 \cdot 10^{-7}$	$4.531 \cdot 10^{-16}$	$4.531 \cdot 10^{-16}$	$-1.435 \cdot 10^{-6}$
cuHIm	$7.393 \cdot 10^{-18}$	$7.393 \cdot 10^{-18}$	$-7.169 \cdot 10^{-7}$	$1.226 \cdot 10^{-16}$	$1.226 \cdot 10^{-16}$	$-1.468 \cdot 10^{-6}$
cuHRe	$2.123 \cdot 10^{-17}$	$2.123 \cdot 10^{-17}$	$-7.066 \cdot 10^{-7}$	$2.249 \cdot 10^{-19}$	$2.249 \cdot 10^{-19}$	$-1.468 \cdot 10^{-6}$
cuWIm	$-2.976 \cdot 10^{-15}$	$-2.976 \cdot 10^{-15}$	$-7.056 \cdot 10^{-7}$	$8.18 \cdot 10^{-15}$	$8.18 \cdot 10^{-15}$	$-1.455 \cdot 10^{-6}$
cuWRe	$4.813 \cdot 10^{-16}$	$4.813 \cdot 10^{-16}$	$-7.064 \cdot 10^{-7}$	$2.664 \cdot 10^{-15}$	$2.664 \cdot 10^{-15}$	$-1.426 \cdot 10^{-6}$
sm	0	0	0	$6.578 \cdot 10^{-8}$	$6.578 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0003923	-0.0003923	0	$1.58 \cdot 10^{-5}$	$1.58 \cdot 10^{-5}$	0
cHW	0.01191	0.01191	0	0.05666	0.05666	0
cHWB	-0.003604	-0.003604	0	0.0002602	0.0002602	0
cHWtil	$4.138 \cdot 10^{-13}$	$4.138 \cdot 10^{-13}$	0	0.1004	0.1004	0
cHj3	0.4368	0.4368	0	2.077	2.077	0
cHl3	-0.001408	-0.001408	0	0.0001414	0.0001414	0
cHudIm	$3.735 \cdot 10^{-23}$	$3.735 \cdot 10^{-23}$	$-1.339 \cdot 10^{-6}$	$8.461 \cdot 10^{-21}$	$8.461 \cdot 10^{-21}$	$-2.671 \cdot 10^{-6}$
cHudRe	$-2.344 \cdot 10^{-19}$	$-2.344 \cdot 10^{-19}$	$-1.323 \cdot 10^{-6}$	$2.063 \cdot 10^{-20}$	$2.063 \cdot 10^{-20}$	$-2.666 \cdot 10^{-6}$
cdHIm	$-2.39 \cdot 10^{-13}$	$-2.39 \cdot 10^{-13}$	$-5.859 \cdot 10^{-7}$	$5.122 \cdot 10^{-11}$	$5.122 \cdot 10^{-11}$	$-1.171 \cdot 10^{-6}$
cdHRe	$-6.515 \cdot 10^{-12}$	$-6.515 \cdot 10^{-12}$	$-5.833 \cdot 10^{-7}$	$4.372 \cdot 10^{-11}$	$4.372 \cdot 10^{-11}$	$-1.167 \cdot 10^{-6}$
cdWIm	$1.741 \cdot 10^{-15}$	$1.741 \cdot 10^{-15}$	$-6.317 \cdot 10^{-7}$	$1.476 \cdot 10^{-9}$	$1.476 \cdot 10^{-9}$	$-1.219 \cdot 10^{-6}$
cdWRe	$-4.597 \cdot 10^{-11}$	$-4.597 \cdot 10^{-11}$	$-5.656 \cdot 10^{-7}$	$1.335 \cdot 10^{-9}$	$1.335 \cdot 10^{-9}$	$-1.124 \cdot 10^{-6}$
cll1	0.000667	0.000667	0	$3.351 \cdot 10^{-5}$	$3.351 \cdot 10^{-5}$	0
cuHIm	$5.121 \cdot 10^{-14}$	$5.121 \cdot 10^{-14}$	$-7.225 \cdot 10^{-7}$	$9.727 \cdot 10^{-12}$	$9.727 \cdot 10^{-12}$	$-1.439 \cdot 10^{-6}$
cuHRe	$-1.665 \cdot 10^{-11}$	$-1.665 \cdot 10^{-11}$	$-7.206 \cdot 10^{-7}$	$9.985 \cdot 10^{-12}$	$9.985 \cdot 10^{-12}$	$-1.442 \cdot 10^{-6}$
cuWIm	$-3.109 \cdot 10^{-14}$	$-3.109 \cdot 10^{-14}$	$-7.076 \cdot 10^{-7}$	$3.594 \cdot 10^{-11}$	$3.594 \cdot 10^{-11}$	$-1.447 \cdot 10^{-6}$
cuWRe	$-9.032 \cdot 10^{-12}$	$-9.032 \cdot 10^{-12}$	$-7.307 \cdot 10^{-7}$	$3.158 \cdot 10^{-10}$	$3.158 \cdot 10^{-10}$	$-1.456 \cdot 10^{-6}$

| sm | 0 | 0 | 0 | 0.002379 | 0.002379 | 0 |

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	-0.6946	-0.6946	0	0.05453	0.05453	0
cHQ3	-1.627	-1.627	0	1.943	1.943	0
cHW	-0.08529	-0.08529	0	0.06465	0.06465	0
cHWB	-0.8092	-0.8092	0	0.233	0.233	0
cHWtil	0.0003128	0.0003128	0	0.07816	0.07816	0
cHl3	-0.3627	-0.3627	0	0.09574	0.09574	0
cHtbIm	$-7.891 \cdot 10^{-6}$	$-7.891 \cdot 10^{-6}$	0	0.3338	0.3338	0
cHtbRe	-0.04875	-0.04875	0	0.1336	0.1336	0
cbHIm	$-3.728 \cdot 10^{-6}$	$-3.728 \cdot 10^{-6}$	0	0.06291	0.06291	0
cbHRe	-0.01798	-0.01798	0	0.08195	0.08195	0
cbWIm	$-1.603 \cdot 10^{-6}$	$-1.603 \cdot 10^{-6}$	0	1.992	1.992	0
cbWRe	-0.003561	-0.003561	0	2.004	2.004	0
cll1	0.06459	0.06459	0	0.01381	0.01381	0
ctHIm	-0.0008149	-0.0008149	0	0.05868	0.05868	0
ctHRe	0.07461	0.07461	0	0.05103	0.05103	0
ctWIm	0.0001144	0.0001144	0	2.218	2.218	0
ctWRe	0.02401	0.02401	0	0.8032	0.8032	0
sm	0	0	0	3.676	3.676	0

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

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

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHB	$8.378 \cdot 10^{-9}$	$8.378 \cdot 10^{-9}$	0	$1.381 \cdot 10^{-7}$	$1.381 \cdot 10^{-7}$	0
cHBtil	$-7.947 \cdot 10^{-10}$	$-7.947 \cdot 10^{-10}$	0	$2.918 \cdot 10^{-9}$	$2.918 \cdot 10^{-9}$	0
cHDD	$-1.771 \cdot 10^{-9}$	$-1.771 \cdot 10^{-9}$	0	$7.135 \cdot 10^{-11}$	$7.135 \cdot 10^{-11}$	0
cHW	$1.161 \cdot 10^{-9}$	$1.161 \cdot 10^{-9}$	0	$9.963 \cdot 10^{-8}$	$9.963 \cdot 10^{-8}$	0
cHWB	$-2.034 \cdot 10^{-8}$	$-2.034 \cdot 10^{-8}$	0	$4.482 \cdot 10^{-7}$	$4.482 \cdot 10^{-7}$	0
cHWBtil	$7.723 \cdot 10^{-9}$	$7.723 \cdot 10^{-9}$	0	$6.902 \cdot 10^{-8}$	$6.902 \cdot 10^{-8}$	0
cHWtil	$-2.545 \cdot 10^{-9}$	$-2.545 \cdot 10^{-9}$	0	$4.176 \cdot 10^{-7}$	$4.176 \cdot 10^{-7}$	0
cHl3	$6.412 \cdot 10^{-7}$	$6.412 \cdot 10^{-7}$	0	$3.024 \cdot 10^{-6}$	$3.024 \cdot 10^{-6}$	0
cW	$3.932 \cdot 10^{-9}$	$3.932 \cdot 10^{-9}$	0	$3.849 \cdot 10^{-9}$	$3.849 \cdot 10^{-9}$	0
cWtil	$-1.132 \cdot 10^{-9}$	$-1.132 \cdot 10^{-9}$	0	$3.849 \cdot 10^{-9}$	$3.849 \cdot 10^{-9}$	0
ceBIm	$-2.734 \cdot 10^{-18}$	$-2.734 \cdot 10^{-18}$	$-1.573 \cdot 10^{-6}$	$1.971 \cdot 10^{-17}$	$1.971 \cdot 10^{-17}$	$-3.247 \cdot 10^{-6}$
ceBRe	$-2.046 \cdot 10^{-17}$	$-2.046 \cdot 10^{-17}$	$-1.613 \cdot 10^{-6}$	$4.677 \cdot 10^{-18}$	$4.677 \cdot 10^{-18}$	$-3.207 \cdot 10^{-6}$
ceHIm	$3.955 \cdot 10^{-19}$	$3.955 \cdot 10^{-19}$	$-1.618 \cdot 10^{-6}$	$1.494 \cdot 10^{-20}$	$1.494 \cdot 10^{-20}$	$-3.212 \cdot 10^{-6}$
ceHRe	$-5.883 \cdot 10^{-18}$	$-5.883 \cdot 10^{-18}$	$-1.615 \cdot 10^{-6}$	$1.691 \cdot 10^{-19}$	$1.691 \cdot 10^{-19}$	$-3.193 \cdot 10^{-6}$
ceWIm	$1.423 \cdot 10^{-18}$	$1.423 \cdot 10^{-18}$	$-1.616 \cdot 10^{-6}$	$4.929 \cdot 10^{-18}$	$4.929 \cdot 10^{-18}$	$-3.205 \cdot 10^{-6}$
ceWRe	$1.266 \cdot 10^{-18}$	$1.266 \cdot 10^{-18}$	$-1.658 \cdot 10^{-6}$	$1.865 \cdot 10^{-18}$	$1.865 \cdot 10^{-18}$	$-3.164 \cdot 10^{-6}$
cll1	$6.333 \cdot 10^{-9}$	$6.333 \cdot 10^{-9}$	0	$3.182 \cdot 10^{-10}$	$3.182 \cdot 10^{-10}$	0
sm	0	0	0	$1.072 \cdot 10^{-8}$	$1.072 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHDD	-0.001286	-0.001286	0	$5.18 \cdot 10^{-5}$	$5.18 \cdot 10^{-5}$	0
cHW	0.005955	0.005955	0	0.02832	0.02832	0
cHWB	-0.0008799	-0.0008799	0	$6.355 \cdot 10^{-5}$	$6.355 \cdot 10^{-5}$	0
cHWtil	$1.09 \cdot 10^{-12}$	$1.09 \cdot 10^{-12}$	0	0.01722	0.01722	0
cHl3	0.1455	0.1455	0	0.6774	0.6774	0
ceHIm	$4.077 \cdot 10^{-11}$	$4.077 \cdot 10^{-11}$	$-2.943 \cdot 10^{-7}$	$8.805 \cdot 10^{-9}$	$8.805 \cdot 10^{-9}$	$-5.678 \cdot 10^{-7}$

ceHRe	$-9.807 \cdot 10^{-10}$	$-9.807 \cdot 10^{-10}$	$-2.855 \cdot 10^{-7}$	$7.486 \cdot 10^{-9}$	$7.486 \cdot 10^{-9}$	$-5.744 \cdot 10^{-7}$
ceWIm	$-2.145 \cdot 10^{-11}$	$-2.145 \cdot 10^{-11}$	$-2.798 \cdot 10^{-7}$	$8.57 \cdot 10^{-8}$	$8.57 \cdot 10^{-8}$	$-5.718 \cdot 10^{-7}$
ceWRe	$-5.431 \cdot 10^{-9}$	$-5.431 \cdot 10^{-9}$	$-2.946 \cdot 10^{-7}$	$6.372 \cdot 10^{-8}$	$6.372 \cdot 10^{-8}$	$-5.65 \cdot 10^{-7}$
cll1	0.001453	0.001453	0	$7.298 \cdot 10^{-5}$	$7.298 \cdot 10^{-5}$	0
sm	0	0	0	0.00765	0.00765	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-1.959 \cdot 10^{-5}$	$-1.959 \cdot 10^{-5}$	0	0.009102	0.009102	0
cHBtil	$6.942 \cdot 10^{-9}$	$6.942 \cdot 10^{-9}$	0	0.008209	0.008209	0
cHDD	$-3.257 \cdot 10^{-6}$	$-3.257 \cdot 10^{-6}$	0	$2.468 \cdot 10^{-8}$	$2.468 \cdot 10^{-8}$	0
cHW	$-4.369 \cdot 10^{-6}$	$-4.369 \cdot 10^{-6}$	0	0.01123	0.01123	0
cHWB	$5.989 \cdot 10^{-5}$	$5.989 \cdot 10^{-5}$	0	0.01139	0.01139	0
cHWBtil	$-5.251 \cdot 10^{-10}$	$-5.251 \cdot 10^{-10}$	0	0.00666	0.00666	0
cHWtil	$2.467 \cdot 10^{-9}$	$2.467 \cdot 10^{-9}$	0	0.01175	0.01175	0
cHl3	$-1.14 \cdot 10^{-5}$	$-1.14 \cdot 10^{-5}$	0	$3.457 \cdot 10^{-7}$	$3.457 \cdot 10^{-7}$	0
cbBIm	$1.398 \cdot 10^{-20}$	$1.398 \cdot 10^{-20}$	0	1.747	1.747	0
cbBRe	$-2.295 \cdot 10^{-6}$	$-2.295 \cdot 10^{-6}$	0	1.845	1.845	0
cbHIm	$2.033 \cdot 10^{-20}$	$2.033 \cdot 10^{-20}$	0	0.0006852	0.0006852	0
cbHRe	-0.0009151	-0.0009151	0	0.001155	0.001155	0
cbWIm	$1.65 \cdot 10^{-19}$	$1.65 \cdot 10^{-19}$	0	0.6582	0.6582	0
cbWRe	$2.513 \cdot 10^{-6}$	$2.513 \cdot 10^{-6}$	0	0.2836	0.2836	0
cll1	$5.702 \cdot 10^{-6}$	$5.702 \cdot 10^{-6}$	0	$8.643 \cdot 10^{-8}$	$8.643 \cdot 10^{-8}$	0
sm	0	0	0	0.0001074	0.0001074	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-2.585 \cdot 10^{-6}$	$-2.585 \cdot 10^{-6}$	0	0.02332	0.02332	0
cHBtil	$-1.371 \cdot 10^{-10}$	$-1.371 \cdot 10^{-10}$	0	0.01773	0.01773	0
cHDD	$-8.494 \cdot 10^{-7}$	$-8.494 \cdot 10^{-7}$	0	$6.437 \cdot 10^{-9}$	$6.437 \cdot 10^{-9}$	0
cHW	$-1.049 \cdot 10^{-5}$	$-1.049 \cdot 10^{-5}$	0	0.01631	0.01631	0
cHWB	$2.125 \cdot 10^{-6}$	$2.125 \cdot 10^{-6}$	0	0.01401	0.01401	0
cHWBtil	$-1.61 \cdot 10^{-9}$	$-1.61 \cdot 10^{-9}$	0	0.01823	0.01823	0
cHWtil	$4.343 \cdot 10^{-11}$	$4.343 \cdot 10^{-11}$	0	0.009084	0.009084	0
cHl3	$-3.81 \cdot 10^{-6}$	$-3.81 \cdot 10^{-6}$	0	$1.155 \cdot 10^{-7}$	$1.155 \cdot 10^{-7}$	0
cll1	$1.905 \cdot 10^{-6}$	$1.905 \cdot 10^{-6}$	0	$2.888 \cdot 10^{-8}$	$2.888 \cdot 10^{-8}$	0
cuBIm	$3.097 \cdot 10^{-25}$	$-2.202 \cdot 10^{-25}$	1.711	$2.503 \cdot 10^{-5}$	$2.503 \cdot 10^{-5}$	$2.797 \cdot 10^{-7}$
cuBRe	$3.683 \cdot 10^{-9}$	$3.683 \cdot 10^{-9}$	$1.357 \cdot 10^{-7}$	$2.503 \cdot 10^{-5}$	$2.503 \cdot 10^{-5}$	$2.797 \cdot 10^{-7}$
cuHIm	$-2.117 \cdot 10^{-22}$	$7.043 \cdot 10^{-27}$	1	$2.454 \cdot 10^{-7}$	$2.454 \cdot 10^{-7}$	$2.853 \cdot 10^{-7}$
cuHRe	$-3.488 \cdot 10^{-6}$	$-3.488 \cdot 10^{-6}$	$1.434 \cdot 10^{-7}$	$1.057 \cdot 10^{-7}$	$1.057 \cdot 10^{-7}$	$2.838 \cdot 10^{-7}$
cuWIm	$2.584 \cdot 10^{-21}$	$2.584 \cdot 10^{-21}$	$2.016 \cdot 10^{-5}$	$3.307 \cdot 10^{-5}$	$3.307 \cdot 10^{-5}$	$2.722 \cdot 10^{-7}$
cuWRe	$4.376 \cdot 10^{-10}$	$4.376 \cdot 10^{-10}$	$1.371 \cdot 10^{-7}$	$3.544 \cdot 10^{-5}$	$3.544 \cdot 10^{-5}$	$2.821 \cdot 10^{-7}$
sm	0	0	0	$2.802 \cdot 10^{-5}$	$2.802 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-6.052 \cdot 10^{-13}$	$-6.052 \cdot 10^{-13}$	0	0.005508	0.005508	0
cHBtil	$-2.435 \cdot 10^{-15}$	$-2.435 \cdot 10^{-15}$	0	0.006154	0.006154	0
cHDD	$-3.055 \cdot 10^{-12}$	$-3.055 \cdot 10^{-12}$	0	$2.315 \cdot 10^{-14}$	$2.315 \cdot 10^{-14}$	0
cHW	$-3.002 \cdot 10^{-13}$	$-3.002 \cdot 10^{-13}$	0	0.009213	0.009213	0
cHWB	$1.85 \cdot 10^{-12}$	$1.85 \cdot 10^{-12}$	0	0.00689	0.00689	0
cHWBtil	$-3.86 \cdot 10^{-15}$	$-3.86 \cdot 10^{-15}$	0	0.009602	0.009602	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHWtil	$-1.081 \cdot 10^{-15}$	$-1.081 \cdot 10^{-15}$	0	0.009647	0.009647	0
cHl3	$-1.109 \cdot 10^{-10}$	$-1.109 \cdot 10^{-10}$	0	$3.36 \cdot 10^{-12}$	$3.36 \cdot 10^{-12}$	0
cdBIm	$1.237 \cdot 10^{-27}$	$1.237 \cdot 10^{-27}$	$-6.465 \cdot 10^{-7}$	$1.206 \cdot 10^{-9}$	$1.206 \cdot 10^{-9}$	$-1.16 \cdot 10^{-6}$
cdBRe	$-7.034 \cdot 10^{-20}$	$-7.034 \cdot 10^{-20}$	$-5.829 \cdot 10^{-7}$	$1.626 \cdot 10^{-9}$	$1.626 \cdot 10^{-9}$	$-1.169 \cdot 10^{-6}$
cdHIm	$2.07 \cdot 10^{-27}$	$5.806 \cdot 10^{-28}$	0.7195	$7.358 \cdot 10^{-13}$	$7.358 \cdot 10^{-13}$	$-1.169 \cdot 10^{-6}$
cdHRe	$-3.335 \cdot 10^{-11}$	$-3.335 \cdot 10^{-11}$	$-5.997 \cdot 10^{-7}$	$1.011 \cdot 10^{-12}$	$1.011 \cdot 10^{-12}$	$-1.187 \cdot 10^{-6}$
cdWIm	$-2.692 \cdot 10^{-27}$	$-2.692 \cdot 10^{-27}$	$-5.944 \cdot 10^{-7}$	$3.902 \cdot 10^{-10}$	$3.902 \cdot 10^{-10}$	$-1.179 \cdot 10^{-6}$
cdWRe	$3.883 \cdot 10^{-20}$	$3.883 \cdot 10^{-20}$	$-5.666 \cdot 10^{-7}$	$4.955 \cdot 10^{-10}$	$4.955 \cdot 10^{-10}$	$-1.171 \cdot 10^{-6}$
cll1	$5.543 \cdot 10^{-11}$	$5.543 \cdot 10^{-11}$	0	$8.401 \cdot 10^{-13}$	$8.401 \cdot 10^{-13}$	0
sm	0	0	0	$1.008 \cdot 10^{-10}$	$1.008 \cdot 10^{-10}$	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHB	$-4.245 \cdot 10^{-13}$	$-4.245 \cdot 10^{-13}$	0	0.02099	0.02099	0
cHBtil	$3.608 \cdot 10^{-17}$	$3.608 \cdot 10^{-17}$	0	0.01924	0.01924	0
cHDD	$-1.995 \cdot 10^{-12}$	$-1.995 \cdot 10^{-12}$	0	$1.512 \cdot 10^{-14}$	$1.512 \cdot 10^{-14}$	0
cHW	$-7.867 \cdot 10^{-15}$	$-7.867 \cdot 10^{-15}$	0	0.003115	0.003115	0
cHWB	$2.454 \cdot 10^{-13}$	$2.454 \cdot 10^{-13}$	0	0.007149	0.007149	0
cHWBtil	$3.018 \cdot 10^{-18}$	$3.018 \cdot 10^{-18}$	0	0.005127	0.005127	0
cHWtil	$-8.992 \cdot 10^{-16}$	$-8.992 \cdot 10^{-16}$	0	0.005853	0.005853	0
cHl3	$-4.407 \cdot 10^{-13}$	$-4.407 \cdot 10^{-13}$	0	$1.336 \cdot 10^{-14}$	$1.336 \cdot 10^{-14}$	0
ceBIm	$-5.777 \cdot 10^{-29}$	$-5.777 \cdot 10^{-29}$	$-1.61 \cdot 10^{-6}$	$3.907 \cdot 10^{-12}$	$3.907 \cdot 10^{-12}$	$-3.225 \cdot 10^{-6}$
ceBRe	$-1.712 \cdot 10^{-23}$	$-1.712 \cdot 10^{-23}$	$-1.577 \cdot 10^{-6}$	$3.836 \cdot 10^{-12}$	$3.836 \cdot 10^{-12}$	$-3.232 \cdot 10^{-6}$
ceHIm	$-3.549 \cdot 10^{-41}$	$2.524 \cdot 10^{-29}$	$7.113 \cdot 10^{11}$	$1.263 \cdot 10^{-14}$	$1.263 \cdot 10^{-14}$	$-3.247 \cdot 10^{-6}$
ceHRe	$-7.062 \cdot 10^{-13}$	$-7.062 \cdot 10^{-13}$	$-1.614 \cdot 10^{-6}$	$2.141 \cdot 10^{-14}$	$2.141 \cdot 10^{-14}$	$-3.177 \cdot 10^{-6}$
ceWIm	$3.189 \cdot 10^{-29}$	$3.189 \cdot 10^{-29}$	$-1.599 \cdot 10^{-6}$	$1.191 \cdot 10^{-12}$	$1.191 \cdot 10^{-12}$	$-3.275 \cdot 10^{-6}$
ceWRe	$2.547 \cdot 10^{-23}$	$2.547 \cdot 10^{-23}$	$-1.61 \cdot 10^{-6}$	$1.982 \cdot 10^{-12}$	$1.982 \cdot 10^{-12}$	$-3.229 \cdot 10^{-6}$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cll1	$2.203 \cdot 10^{-13}$	$2.203 \cdot 10^{-13}$	0		$3.339 \cdot 10^{-15}$	$3.339 \cdot 10^{-15}$	0
sm	0	0	0		$6.582 \cdot 10^{-11}$	$6.582 \cdot 10^{-11}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	-0.02468	-0.02468	0	0.02036	0.02036	0
cHBtil	$-1.885 \cdot 10^{-6}$	$-1.885 \cdot 10^{-6}$	0	0.01789	0.01789	0
cHDD	-0.03993	-0.03993	0	0.0003026	0.0003026	0
cHW	-0.03202	-0.03202	0	0.01205	0.01205	0
cHWB	0.02029	0.02029	0	0.01246	0.01246	0
cHWBtil	-0.0001284	-0.0001284	0	0.01715	0.01715	0
cHWtil	-0.0002962	-0.0002962	0	0.01507	0.01507	0
cHl3	-0.06733	-0.06733	0	0.002041	0.002041	0
cll1	0.03366	0.03366	0	0.0005102	0.0005102	0
ctBIm	$-7.771 \cdot 10^{-17}$	$-7.771 \cdot 10^{-17}$	0	2.057	2.057	0
ctBRe	0.2609	0.2609	0	2.775	2.775	0
ctHIm	$1.698 \cdot 10^{-18}$	$1.698 \cdot 10^{-18}$	0	0.001934	0.001934	0
ctHRe	-0.1021	-0.1021	0	0.00312	0.00312	0
ctWIm	$-2.136 \cdot 10^{-17}$	$-2.136 \cdot 10^{-17}$	0	0.559	0.559	0
ctWRe	0.4328	0.4328	0	0.3395	0.3395	0
sm	0	0	0	1.317	1.317	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	0.0005467	0.0005467	0	0.005698	0.005698	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHBtil	$6.317 \cdot 10^{-9}$	$6.317 \cdot 10^{-9}$	0	0.003029	0.003029	0
cHDD	$-5.687 \cdot 10^{-6}$	$-5.687 \cdot 10^{-6}$	0	$1.762 \cdot 10^{-6}$	$1.762 \cdot 10^{-6}$	0
cHW	0.001554	0.001554	0	0.008089	0.008089	0
cHWB	0.001136	0.001136	0	0.00402	0.00402	0
cHWBtil	$-2.241 \cdot 10^{-7}$	$-2.241 \cdot 10^{-7}$	0	0.002998	0.002998	0
cHWtil	$4.289 \cdot 10^{-7}$	$4.289 \cdot 10^{-7}$	0	0.01133	0.01133	0
cHe	-0.04478	-0.04478	0	0.3494	0.3494	0
cHl1	0.05119	0.05119	0	0.3502	0.3502	0
cHl3	0.03427	0.03427	0	0.2291	0.2291	0
ceBIm	$-1.814 \cdot 10^{-11}$	$-1.814 \cdot 10^{-11}$	$-2.756 \cdot 10^{-7}$	$7.875 \cdot 10^{-9}$	$7.875 \cdot 10^{-9}$	$-5.714 \cdot 10^{-7}$
ceBRe	$-3.428 \cdot 10^{-10}$	$-3.428 \cdot 10^{-10}$	$-2.625 \cdot 10^{-7}$	$5.464 \cdot 10^{-8}$	$5.464 \cdot 10^{-8}$	$-5.673 \cdot 10^{-7}$
ceHIm	$1.011 \cdot 10^{-16}$	$1.011 \cdot 10^{-16}$	$-2.966 \cdot 10^{-7}$	$7.444 \cdot 10^{-9}$	$7.444 \cdot 10^{-9}$	$-5.642 \cdot 10^{-7}$
ceHRe	$1.76 \cdot 10^{-9}$	$1.76 \cdot 10^{-9}$	$-2.842 \cdot 10^{-7}$	$7.454 \cdot 10^{-9}$	$7.454 \cdot 10^{-9}$	$-5.769 \cdot 10^{-7}$
ceWIm	$-3.286 \cdot 10^{-11}$	$-3.286 \cdot 10^{-11}$	$-2.739 \cdot 10^{-7}$	$2.584 \cdot 10^{-8}$	$2.584 \cdot 10^{-8}$	$-5.418 \cdot 10^{-7}$
ceWRe	$-6.21 \cdot 10^{-10}$	$-6.21 \cdot 10^{-10}$	$-2.899 \cdot 10^{-7}$	$1.941 \cdot 10^{-7}$	$1.941 \cdot 10^{-7}$	$-5.666 \cdot 10^{-7}$
cll1	0.0002973	0.0002973	0	$2.463 \cdot 10^{-5}$	$2.463 \cdot 10^{-5}$	0
sm	0	0	0	0.001066	0.001066	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHB	0.0007404	0.0007404	0	0.0006304	0.0006304	0
cHBtil	$1.807 \cdot 10^{-20}$	$1.807 \cdot 10^{-20}$	0	0.0006584	0.0006584	0
cHDD	$-1.561 \cdot 10^{-19}$	$-1.561 \cdot 10^{-19}$	0	$5.808 \cdot 10^{-35}$	$5.808 \cdot 10^{-35}$	0
cHW	0.002472	0.002472	0	0.006905	0.006905	0
cHWB	0.001341	0.001341	0	0.002069	0.002069	0
cHWBtil	$1.807 \cdot 10^{-20}$	$1.807 \cdot 10^{-20}$	0	0.002123	0.002123	0
cHWtil	$7.228 \cdot 10^{-20}$	$7.228 \cdot 10^{-20}$	0	0.006719	0.006719	0

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cHl1	-0.0736	-0.0736	0	0.2683	0.2683	0
cHl3	0.01126	0.01126	0	0.04038	0.04038	0
cll1	$9.524 \cdot 10^{-5}$	$9.524 \cdot 10^{-5}$	0	$2.887 \cdot 10^{-6}$	$2.887 \cdot 10^{-6}$	0
sm	0	0	0	0.006498	0.006498	0

1.34 $\quad Hz \rightarrow b\bar{b}$

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cHB	0.0009403	0.0009403	0	0.001152	0.001152	0
cHBtil	$2.623 \cdot 10^{-7}$	$2.623 \cdot 10^{-7}$	0	0.0013	0.0013	0
cHDD	-0.0001601	-0.0001601	0	$1.051 \cdot 10^{-5}$	$1.051 \cdot 10^{-5}$	0
cHQ1	0.2233	0.2233	0	0.9692	0.9692	0
cHQ3	0.2369	0.2369	0	1.028	1.028	0
cHW	0.0095	0.0095	0	0.03174	0.03174	0
cHWB	0.001929	0.001929	0	0.003796	0.003796	0
cHWBtil	$1.502 \cdot 10^{-7}$	$1.502 \cdot 10^{-7}$	0	0.004158	0.004158	0
cHWtil	$-2.178 \cdot 10^{-7}$	$-2.178 \cdot 10^{-7}$	0	0.02336	0.02336	0
cHbq	-0.03382	-0.03382	0	0.8205	0.8205	0
cHl3	-0.003937	-0.003937	0	0.0003082	0.0003082	0
cbBIm	$2.93 \cdot 10^{-6}$	$2.93 \cdot 10^{-6}$	0	0.1973	0.1973	0
cbBRe	-0.0007012	-0.0007012	0	0.4438	0.4438	0
cbHIm	$-2.177 \cdot 10^{-9}$	$-2.177 \cdot 10^{-9}$	0	0.06142	0.06142	0
cbHRe	-0.00248	-0.00248	0	0.06432	0.06432	0
cbWIm	$-3.311 \cdot 10^{-6}$	$-3.311 \cdot 10^{-6}$	0	1.22	1.22	0
cbWRe	-0.00127	-0.00127	0	1.124	1.124	0
cll1	0.001969	0.001969	0	$7.705 \cdot 10^{-5}$	$7.705 \cdot 10^{-5}$	0
sm	0	0	0	0.01209	0.01209	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.001434	0.001434	0	0.001738	0.001738	0
cHBtil	$1.573 \cdot 10^{-7}$	$1.573 \cdot 10^{-7}$	0	0.001119	0.001119	0
cHDD	-0.0001129	-0.0001129	0	$1.117 \cdot 10^{-6}$	$1.117 \cdot 10^{-6}$	0
cHW	0.006674	0.006674	0	0.02205	0.02205	0
cHWB	0.003822	0.003822	0	0.005685	0.005685	0
cHWBtil	$-3.152 \cdot 10^{-7}$	$-3.152 \cdot 10^{-7}$	0	0.0067	0.0067	0
cHWtil	$-3.25 \cdot 10^{-7}$	$-3.25 \cdot 10^{-7}$	0	0.02806	0.02806	0
cHd	-0.03907	-0.03907	0	0.9147	0.9147	0
cHj1	0.2104	0.2104	0	0.9083	0.9083	0
cHj3	0.2211	0.2211	0	0.9548	0.9548	0
cHl3	-0.004215	-0.004215	0	0.0003285	0.0003285	0
cdBIm	$1.709 \cdot 10^{-11}$	$1.709 \cdot 10^{-11}$	$3.511 \cdot 10^{-7}$	$1.182 \cdot 10^{-7}$	$1.182 \cdot 10^{-7}$	$6.768 \cdot 10^{-7}$
cdBRe	$-8.345 \cdot 10^{-9}$	$-8.345 \cdot 10^{-9}$	$3.235 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	$6.529 \cdot 10^{-7}$
cdHIm	$4.35 \cdot 10^{-12}$	$4.35 \cdot 10^{-12}$	$2.989 \cdot 10^{-7}$	$5.39 \cdot 10^{-8}$	$5.39 \cdot 10^{-8}$	$6.308 \cdot 10^{-7}$
cdHRe	$4.27 \cdot 10^{-10}$	$4.27 \cdot 10^{-10}$	$3.044 \cdot 10^{-7}$	$1.743 \cdot 10^{-8}$	$1.743 \cdot 10^{-8}$	$6.309 \cdot 10^{-7}$
cdWIm	$-2.54 \cdot 10^{-11}$	$-2.54 \cdot 10^{-11}$	$3.15 \cdot 10^{-7}$	$4.089 \cdot 10^{-7}$	$4.089 \cdot 10^{-7}$	$6.358 \cdot 10^{-7}$
cdWRe	$-1.512 \cdot 10^{-8}$	$-1.512 \cdot 10^{-8}$	$2.646 \cdot 10^{-7}$	$4.021 \cdot 10^{-7}$	$4.021 \cdot 10^{-7}$	$6.218 \cdot 10^{-7}$
cll1	0.002107	0.002107	0	$8.212 \cdot 10^{-5}$	$8.212 \cdot 10^{-5}$	0
sm	0	0	0	0.008899	0.008899	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	-0.01291	-0.01291	0	0.004679	0.004679	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHBtil	$4.981 \cdot 10^{-7}$	$4.981 \cdot 10^{-7}$	0	0.005134	0.005134	0
cHDD	-0.01052	-0.01052	0	0.01698	0.01698	0
cHQ1	2.09	2.09	0	1.42	1.42	0
cHQ3	-2.09	-2.09	0	1.41	1.41	0
cHW	-0.04862	-0.04862	0	0.0269	0.0269	0
cHWB	-0.04763	-0.04763	0	0.00796	0.00796	0
cHWBtil	$6.796 \cdot 10^{-7}$	$6.796 \cdot 10^{-7}$	0	0.003921	0.003921	0
cHWtil	$-2.119 \cdot 10^{-5}$	$-2.119 \cdot 10^{-5}$	0	0.03105	0.03105	0
cHl3	-0.4795	-0.4795	0	0.03316	0.03316	0
cHt	-2.188	-2.188	0	1.105	1.105	0
cll1	0.2397	0.2397	0	0.00829	0.00829	0
ctBIm	0.0006219	0.0006219	0	0.2952	0.2952	0
ctBRe	-0.02357	-0.02357	0	0.7814	0.7814	0
ctHIm	0.0004459	0.0004459	0	0.06373	0.06373	0
ctHRe	-0.01365	-0.01365	0	0.06661	0.06661	0
ctWIm	-0.0001875	-0.0001875	0	2.75	2.75	0
ctWRe	0.0529	0.0529	0	2.294	2.294	0
sm	0	0	0	2.547	2.547	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHB	0.0007961	0.0007961	0	0.006677	0.006677	0
cHBtil	$-3.277 \cdot 10^{-7}$	$-3.277 \cdot 10^{-7}$	0	0.003796	0.003796	0
cHDD	-0.0001304	-0.0001304	0	$4.695 \cdot 10^{-6}$	$4.695 \cdot 10^{-6}$	0
cHW	0.008796	0.008796	0	0.03555	0.03555	0
cHWB	0.003235	0.003235	0	0.006698	0.006698	0
cHWBtil	$-6.154 \cdot 10^{-7}$	$-6.154 \cdot 10^{-7}$	0	0.006504	0.006504	0

	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cHWtil	$6.213 \cdot 10^{-7}$	$6.213 \cdot 10^{-7}$	0	0.02728	0.02728	0
cHj1	-0.1139	-0.1139	0	0.603	0.603	0
cHj3	0.1788	0.1788	0	0.9467	0.9467	0
cHl3	-0.0005614	-0.0005614	0	$6.026 \cdot 10^{-5}$	$6.026 \cdot 10^{-5}$	0
cHu	0.08087	0.08087	0	0.9467	0.9467	0
cll1	0.0002807	0.0002807	0	$1.506 \cdot 10^{-5}$	$1.506 \cdot 10^{-5}$	0
cuBIm	$-2.349 \cdot 10^{-14}$	$-2.349 \cdot 10^{-14}$	$-7.237 \cdot 10^{-7}$	$5.576 \cdot 10^{-12}$	$5.576 \cdot 10^{-12}$	$-1.453 \cdot 10^{-6}$
cuBRe	$2.466 \cdot 10^{-12}$	$2.466 \cdot 10^{-12}$	$-7.3 \cdot 10^{-7}$	$5.576 \cdot 10^{-12}$	$5.576 \cdot 10^{-12}$	$-1.453 \cdot 10^{-6}$
cuHIm	$-7.455 \cdot 10^{-16}$	$-7.455 \cdot 10^{-16}$	$-7.244 \cdot 10^{-7}$	$1.816 \cdot 10^{-11}$	$1.816 \cdot 10^{-11}$	$-1.432 \cdot 10^{-6}$
cuHRe	$-8.833 \cdot 10^{-13}$	$-8.833 \cdot 10^{-13}$	$-7.246 \cdot 10^{-7}$	$9.44 \cdot 10^{-12}$	$9.44 \cdot 10^{-12}$	$-1.451 \cdot 10^{-6}$
cuWIm	$-4.162 \cdot 10^{-14}$	$-4.162 \cdot 10^{-14}$	$-7.208 \cdot 10^{-7}$	$2.807 \cdot 10^{-11}$	$2.807 \cdot 10^{-11}$	$-1.46 \cdot 10^{-6}$
cuWRe	$-4.467 \cdot 10^{-12}$	$-4.467 \cdot 10^{-12}$	$-7.164 \cdot 10^{-7}$	$2.186 \cdot 10^{-10}$	$2.186 \cdot 10^{-10}$	$-1.464 \cdot 10^{-6}$
sm	0	0	0	0.007273	0.007273	0

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

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cH	$-2.151 \cdot 10^{-10}$	$-2.151 \cdot 10^{-10}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
cHB	$-7.292 \cdot 10^{-8}$	$-7.292 \cdot 10^{-8}$	0	$6.87 \cdot 10^{-10}$	$6.87 \cdot 10^{-10}$	0
cHBtil	$9.934 \cdot 10^{-10}$	$9.934 \cdot 10^{-10}$	0	$5.785 \cdot 10^{-11}$	$5.785 \cdot 10^{-11}$	0
cHDD	$-8.786 \cdot 10^{-7}$	$-8.786 \cdot 10^{-7}$	0	$9.526 \cdot 10^{-8}$	$9.526 \cdot 10^{-8}$	0
cHQ1	$9.554 \cdot 10^{-7}$	$9.554 \cdot 10^{-7}$	0	$1.059 \cdot 10^{-7}$	$1.059 \cdot 10^{-7}$	0
cHQ3	$-6.759 \cdot 10^{-6}$	$-6.759 \cdot 10^{-6}$	0	$1.73 \cdot 10^{-6}$	$1.73 \cdot 10^{-6}$	0
cHW	$-2.975 \cdot 10^{-8}$	$-2.975 \cdot 10^{-8}$	0	$2.01 \cdot 10^{-8}$	$2.01 \cdot 10^{-8}$	0
cHWB	$-1.114 \cdot 10^{-5}$	$-1.114 \cdot 10^{-5}$	0	$2.261 \cdot 10^{-6}$	$2.261 \cdot 10^{-6}$	0
cHWBtil	$-3.199 \cdot 10^{-8}$	$-3.199 \cdot 10^{-8}$	0	$1.333 \cdot 10^{-8}$	$1.333 \cdot 10^{-8}$	0
cHWtil	$-2.528 \cdot 10^{-9}$	$-2.528 \cdot 10^{-9}$	0	$5.767 \cdot 10^{-9}$	$5.767 \cdot 10^{-9}$	0
cHbq	$-2.762 \cdot 10^{-8}$	$-2.762 \cdot 10^{-8}$	0	$3.668 \cdot 10^{-7}$	$3.668 \cdot 10^{-7}$	0

cHl3	$-9.11 \cdot 10^{-6}$	$-9.11 \cdot 10^{-6}$	0	$1.702 \cdot 10^{-6}$	$1.702 \cdot 10^{-6}$	0
cHtbIm	$2.223 \cdot 10^{-8}$	$2.223 \cdot 10^{-8}$	0	$9.246 \cdot 10^{-7}$	$9.246 \cdot 10^{-7}$	0
cHtbRe	$-9.395 \cdot 10^{-7}$	$-9.395 \cdot 10^{-7}$	0	$2.717 \cdot 10^{-6}$	$2.717 \cdot 10^{-6}$	0
cW	$3.986 \cdot 10^{-8}$	$3.986 \cdot 10^{-8}$	0	$3.871 \cdot 10^{-7}$	$3.871 \cdot 10^{-7}$	0
cWtil	$1.655 \cdot 10^{-7}$	$1.655 \cdot 10^{-7}$	0	$3.898 \cdot 10^{-7}$	$3.898 \cdot 10^{-7}$	0
cbBIm	$4.906 \cdot 10^{-10}$	$4.906 \cdot 10^{-10}$	0	$1.211 \cdot 10^{-8}$	$1.211 \cdot 10^{-8}$	0
cbBRe	$7.302 \cdot 10^{-9}$	$7.302 \cdot 10^{-9}$	0	$7.796 \cdot 10^{-9}$	$7.796 \cdot 10^{-9}$	0
cbHIm	$4.129 \cdot 10^{-9}$	$4.129 \cdot 10^{-9}$	0	$9.459 \cdot 10^{-8}$	$9.459 \cdot 10^{-8}$	0
cbHRe	$-1.142 \cdot 10^{-6}$	$-1.142 \cdot 10^{-6}$	0	$1.192 \cdot 10^{-7}$	$1.192 \cdot 10^{-7}$	0
cbWIm	$4.905 \cdot 10^{-8}$	$4.905 \cdot 10^{-8}$	0	$1.95 \cdot 10^{-6}$	$1.95 \cdot 10^{-6}$	0
cbWRe	$-5.271 \cdot 10^{-9}$	$-5.271 \cdot 10^{-9}$	0	$1.547 \cdot 10^{-6}$	$1.547 \cdot 10^{-6}$	0
cll1	$2.888 \cdot 10^{-6}$	$2.888 \cdot 10^{-6}$	0	$2.762 \cdot 10^{-7}$	$2.762 \cdot 10^{-7}$	0
ctHIm	$4.19 \cdot 10^{-6}$	$4.19 \cdot 10^{-6}$	0	$5.579 \cdot 10^{-8}$	$5.579 \cdot 10^{-8}$	0
ctHRe	$2.263 \cdot 10^{-7}$	$2.263 \cdot 10^{-7}$	0	$2.103 \cdot 10^{-8}$	$2.103 \cdot 10^{-8}$	0
ctWIm	$-5.439 \cdot 10^{-7}$	$-5.439 \cdot 10^{-7}$	0	$3.313 \cdot 10^{-6}$	$3.313 \cdot 10^{-6}$	0
ctWRe	$1.882 \cdot 10^{-8}$	$1.882 \cdot 10^{-8}$	0	$2.103 \cdot 10^{-6}$	$2.103 \cdot 10^{-6}$	0
sm	0	0	0	$1.522 \cdot 10^{-6}$	$1.522 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
cH	$1.251 \cdot 10^{-12}$	$1.251 \cdot 10^{-12}$	0	$5.799 \cdot 10^{-12}$	$5.799 \cdot 10^{-12}$	0
cHB	$8.585 \cdot 10^{-9}$	$8.585 \cdot 10^{-9}$	0	$3.782 \cdot 10^{-10}$	$3.782 \cdot 10^{-10}$	0
cHBtil	$4.252 \cdot 10^{-10}$	$4.252 \cdot 10^{-10}$	0	$6.571 \cdot 10^{-11}$	$6.571 \cdot 10^{-11}$	0
cHDD	$-1.05 \cdot 10^{-7}$	$-1.05 \cdot 10^{-7}$	0	$9.038 \cdot 10^{-9}$	$9.038 \cdot 10^{-9}$	0
cHW	$-6.309 \cdot 10^{-8}$	$-6.309 \cdot 10^{-8}$	0	$1.205 \cdot 10^{-8}$	$1.205 \cdot 10^{-8}$	0
cHWB	$-1.061 \cdot 10^{-6}$	$-1.061 \cdot 10^{-6}$	0	$2.466 \cdot 10^{-7}$	$2.466 \cdot 10^{-7}$	0
cHWBtil	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	0	$1.336 \cdot 10^{-5}$	$1.336 \cdot 10^{-5}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHWtil	$1.428 \cdot 10^{-8}$	$1.428 \cdot 10^{-8}$	0	$4.625 \cdot 10^{-9}$	$4.625 \cdot 10^{-9}$	0
cHj1	$-3.278 \cdot 10^{-7}$	$-3.278 \cdot 10^{-7}$	0	$8.29 \cdot 10^{-8}$	$8.29 \cdot 10^{-8}$	0
cHj3	$2.102 \cdot 10^{-7}$	$2.102 \cdot 10^{-7}$	0	$7.822 \cdot 10^{-7}$	$7.822 \cdot 10^{-7}$	0
cHl3	$-4.864 \cdot 10^{-7}$	$-4.864 \cdot 10^{-7}$	0	$8.299 \cdot 10^{-8}$	$8.299 \cdot 10^{-8}$	0
cHu	$3.849 \cdot 10^{-8}$	$3.849 \cdot 10^{-8}$	0	$2.13 \cdot 10^{-7}$	$2.13 \cdot 10^{-7}$	0
cHudIm	$-1.994 \cdot 10^{-18}$	$-1.994 \cdot 10^{-18}$	$5.016 \cdot 10^{-7}$	$2.526 \cdot 10^{-24}$	$2.526 \cdot 10^{-24}$	$9.502 \cdot 10^{-7}$
cHudRe	$-6.355 \cdot 10^{-17}$	$-6.355 \cdot 10^{-17}$	$4.72 \cdot 10^{-7}$	$4.939 \cdot 10^{-24}$	$4.939 \cdot 10^{-24}$	$9.517 \cdot 10^{-7}$
cW	$-2.271 \cdot 10^{-7}$	$-2.271 \cdot 10^{-7}$	0	$4.56 \cdot 10^{-7}$	$4.56 \cdot 10^{-7}$	0
cWtil	$2.363 \cdot 10^{-8}$	$2.363 \cdot 10^{-8}$	0	$4.58 \cdot 10^{-7}$	$4.58 \cdot 10^{-7}$	0
cdHIm	$-2.823 \cdot 10^{-13}$	$-2.823 \cdot 10^{-13}$	$3.188 \cdot 10^{-7}$	$1.078 \cdot 10^{-20}$	$1.078 \cdot 10^{-20}$	$6.492 \cdot 10^{-7}$
cdHRe	$9.15 \cdot 10^{-14}$	$9.15 \cdot 10^{-14}$	$3.169 \cdot 10^{-7}$	$2.424 \cdot 10^{-21}$	$2.424 \cdot 10^{-21}$	$6.189 \cdot 10^{-7}$
cdWIm	$-8.234 \cdot 10^{-16}$	$-8.234 \cdot 10^{-16}$	$3.158 \cdot 10^{-7}$	$3.731 \cdot 10^{-19}$	$3.731 \cdot 10^{-19}$	$6.432 \cdot 10^{-7}$
cdWRe	$-2.545 \cdot 10^{-13}$	$-2.545 \cdot 10^{-13}$	$3.144 \cdot 10^{-7}$	$3.355 \cdot 10^{-19}$	$3.355 \cdot 10^{-19}$	$6.259 \cdot 10^{-7}$
cll1	$1.788 \cdot 10^{-7}$	$1.788 \cdot 10^{-7}$	0	$1.516 \cdot 10^{-8}$	$1.516 \cdot 10^{-8}$	0
cuBIm	$-2.049 \cdot 10^{-10}$	$-2.049 \cdot 10^{-10}$	$1.464 \cdot 10^{-7}$	$8.221 \cdot 10^{-11}$	$8.221 \cdot 10^{-11}$	$2.798 \cdot 10^{-7}$
cuBRe	$-4.882 \cdot 10^{-8}$	$-4.882 \cdot 10^{-8}$	$1.434 \cdot 10^{-7}$	$8.32 \cdot 10^{-11}$	$8.32 \cdot 10^{-11}$	$2.885 \cdot 10^{-7}$
cuHIm	$-6.224 \cdot 10^{-12}$	$-6.224 \cdot 10^{-12}$	$1.446 \cdot 10^{-7}$	$5.998 \cdot 10^{-12}$	$5.998 \cdot 10^{-12}$	$2.668 \cdot 10^{-7}$
cuHRe	$-5.46 \cdot 10^{-11}$	$-5.46 \cdot 10^{-11}$	$1.282 \cdot 10^{-7}$	$1.223 \cdot 10^{-12}$	$1.223 \cdot 10^{-12}$	$3.272 \cdot 10^{-7}$
cuWIm	$-8.426 \cdot 10^{-11}$	$-8.426 \cdot 10^{-11}$	$1.424 \cdot 10^{-7}$	$1.301 \cdot 10^{-10}$	$1.301 \cdot 10^{-10}$	$2.306 \cdot 10^{-7}$
cuWRe	$-9.839 \cdot 10^{-12}$	$-9.839 \cdot 10^{-12}$	$1.321 \cdot 10^{-7}$	$5.992 \cdot 10^{-11}$	$5.992 \cdot 10^{-11}$	$2.67 \cdot 10^{-7}$
sm	0	0	0	$2.688 \cdot 10^{-7}$	$2.688 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cH	$9.894 \cdot 10^{-17}$	$9.894 \cdot 10^{-17}$	0	$6.383 \cdot 10^{-17}$	$6.383 \cdot 10^{-17}$	0
cHB	$-2.223 \cdot 10^{-9}$	$-2.223 \cdot 10^{-9}$	0	$5.531 \cdot 10^{-11}$	$5.531 \cdot 10^{-11}$	0
cHBtil	$-2.249 \cdot 10^{-9}$	$-2.249 \cdot 10^{-9}$	0	$3.561 \cdot 10^{-11}$	$3.561 \cdot 10^{-11}$	0

	interference			square		
cHDD	$-1.395 \cdot 10^{-6}$	$-1.395 \cdot 10^{-6}$	0	$1.235 \cdot 10^{-7}$	$1.235 \cdot 10^{-7}$	0
cHW	$-3.345 \cdot 10^{-7}$	$-3.345 \cdot 10^{-7}$	0	$1.287 \cdot 10^{-7}$	$1.287 \cdot 10^{-7}$	0
cHWB	$-1.232 \cdot 10^{-7}$	$-1.232 \cdot 10^{-7}$	0	$3.542 \cdot 10^{-8}$	$3.542 \cdot 10^{-8}$	0
cHWBtil	$2.98 \cdot 10^{-10}$	$2.98 \cdot 10^{-10}$	0	$9.796 \cdot 10^{-8}$	$9.796 \cdot 10^{-8}$	0
cHWtil	$-7.965 \cdot 10^{-8}$	$-7.965 \cdot 10^{-8}$	0	$3.409 \cdot 10^{-7}$	$3.409 \cdot 10^{-7}$	0
cHd	$-2.604 \cdot 10^{-8}$	$-2.604 \cdot 10^{-8}$	0	$3.685 \cdot 10^{-7}$	$3.685 \cdot 10^{-7}$	0
cHj1	0.003747	0.003747	0	0.0001356	0.0001356	0
cHj3	$-1.402 \cdot 10^{-6}$	$-1.402 \cdot 10^{-6}$	0	$1.407 \cdot 10^{-6}$	$1.407 \cdot 10^{-6}$	0
cHl3	$-4.906 \cdot 10^{-7}$	$-4.906 \cdot 10^{-7}$	0	$8.512 \cdot 10^{-8}$	$8.512 \cdot 10^{-8}$	0
cHudIm	$4.748 \cdot 10^{-27}$	$4.748 \cdot 10^{-27}$	$-1.327 \cdot 10^{-6}$	$3.491 \cdot 10^{-36}$	$3.491 \cdot 10^{-36}$	$-2.664 \cdot 10^{-6}$
cHudRe	$2.525 \cdot 10^{-23}$	$2.525 \cdot 10^{-23}$	$-1.347 \cdot 10^{-6}$	$5.429 \cdot 10^{-35}$	$5.429 \cdot 10^{-35}$	$-2.671 \cdot 10^{-6}$
cW	$-5.027 \cdot 10^{-7}$	$-5.027 \cdot 10^{-7}$	0	$1.445 \cdot 10^{-6}$	$1.445 \cdot 10^{-6}$	0
cWtil	$4.846 \cdot 10^{-7}$	$4.846 \cdot 10^{-7}$	0	$1.446 \cdot 10^{-6}$	$1.446 \cdot 10^{-6}$	0
cdBIm	$5.534 \cdot 10^{-14}$	$5.534 \cdot 10^{-14}$	$-5.963 \cdot 10^{-7}$	$8.976 \cdot 10^{-15}$	$8.976 \cdot 10^{-15}$	$-1.181 \cdot 10^{-6}$
cdBRe	$9.345 \cdot 10^{-17}$	$9.345 \cdot 10^{-17}$	$-5.779 \cdot 10^{-7}$	$1.31 \cdot 10^{-18}$	$1.31 \cdot 10^{-18}$	$-1.221 \cdot 10^{-6}$
cdHIm	$1.945 \cdot 10^{-15}$	$1.945 \cdot 10^{-15}$	$-6.169 \cdot 10^{-7}$	$9.912 \cdot 10^{-17}$	$9.912 \cdot 10^{-17}$	$-1.17 \cdot 10^{-6}$
cdHRe	$-6.089 \cdot 10^{-17}$	$-6.089 \cdot 10^{-17}$	$-5.912 \cdot 10^{-7}$	$5.178 \cdot 10^{-17}$	$5.178 \cdot 10^{-17}$	$-1.159 \cdot 10^{-6}$
cdWIm	$-2.135 \cdot 10^{-15}$	$-2.135 \cdot 10^{-15}$	$-5.62 \cdot 10^{-7}$	$1.725 \cdot 10^{-15}$	$1.725 \cdot 10^{-15}$	$-1.159 \cdot 10^{-6}$
cdWRe	$4.745 \cdot 10^{-15}$	$4.745 \cdot 10^{-15}$	$-5.901 \cdot 10^{-7}$	$7.494 \cdot 10^{-15}$	$7.494 \cdot 10^{-15}$	$-1.174 \cdot 10^{-6}$
cll1	$1.758 \cdot 10^{-7}$	$1.758 \cdot 10^{-7}$	0	$1.533 \cdot 10^{-8}$	$1.533 \cdot 10^{-8}$	0
cuHIm	$1.005 \cdot 10^{-17}$	$1.005 \cdot 10^{-17}$	$-6.968 \cdot 10^{-7}$	$6.597 \cdot 10^{-29}$	$6.597 \cdot 10^{-29}$	$-1.44 \cdot 10^{-6}$
cuHRe	$6.816 \cdot 10^{-17}$	$6.816 \cdot 10^{-17}$	$-7.189 \cdot 10^{-7}$	$1.218 \cdot 10^{-27}$	$1.218 \cdot 10^{-27}$	$-1.396 \cdot 10^{-6}$
cuWIm	$4.914 \cdot 10^{-17}$	$4.914 \cdot 10^{-17}$	$-7.123 \cdot 10^{-7}$	$6.476 \cdot 10^{-26}$	$6.476 \cdot 10^{-26}$	$-1.451 \cdot 10^{-6}$
cuWRe	$1.685 \cdot 10^{-17}$	$1.685 \cdot 10^{-17}$	$-7.713 \cdot 10^{-7}$	$1.295 \cdot 10^{-25}$	$1.295 \cdot 10^{-25}$	$-1.39 \cdot 10^{-6}$
sm	0	0	0	$3.427 \cdot 10^{-6}$	$3.427 \cdot 10^{-6}$	0

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

	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
cH	$2.872 \cdot 10^{-7}$	$2.872 \cdot 10^{-7}$	0	$9.791 \cdot 10^{-8}$	$9.791 \cdot 10^{-8}$	0
cHB	$-4.348 \cdot 10^{-8}$	$-4.348 \cdot 10^{-8}$	0	$6.127 \cdot 10^{-10}$	$6.127 \cdot 10^{-10}$	0
cHBtil	$-2.255 \cdot 10^{-9}$	$-2.255 \cdot 10^{-9}$	0	$2.205 \cdot 10^{-11}$	$2.205 \cdot 10^{-11}$	0
cHDD	$-6.048 \cdot 10^{-5}$	$-6.048 \cdot 10^{-5}$	0	$5.859 \cdot 10^{-6}$	$5.859 \cdot 10^{-6}$	0
cHQ1	$-1.662 \cdot 10^{-6}$	$-1.662 \cdot 10^{-6}$	0	$1.098 \cdot 10^{-6}$	$1.098 \cdot 10^{-6}$	0
cHQ3	$2.818 \cdot 10^{-5}$	$2.818 \cdot 10^{-5}$	0	$1.948 \cdot 10^{-5}$	$1.948 \cdot 10^{-5}$	0
cHW	$6.588 \cdot 10^{-7}$	$6.588 \cdot 10^{-7}$	0	$9.616 \cdot 10^{-6}$	$9.616 \cdot 10^{-6}$	0
cHWB	$-2.68 \cdot 10^{-6}$	$-2.68 \cdot 10^{-6}$	0	$1.275 \cdot 10^{-6}$	$1.275 \cdot 10^{-6}$	0
cHWBtil	$9.402 \cdot 10^{-8}$	$9.402 \cdot 10^{-8}$	0	$2.709 \cdot 10^{-7}$	$2.709 \cdot 10^{-7}$	0
cHWtil	$1.12 \cdot 10^{-6}$	$1.12 \cdot 10^{-6}$	0	$1.707 \cdot 10^{-5}$	$1.707 \cdot 10^{-5}$	0
cHl3	$-2.102 \cdot 10^{-5}$	$-2.102 \cdot 10^{-5}$	0	$5.356 \cdot 10^{-6}$	$5.356 \cdot 10^{-6}$	0
cHt	$1.227 \cdot 10^{-5}$	$1.227 \cdot 10^{-5}$	0	$8.761 \cdot 10^{-7}$	$8.761 \cdot 10^{-7}$	0
cHtbIm	$7.789 \cdot 10^{-9}$	$7.789 \cdot 10^{-9}$	0	$1.353 \cdot 10^{-9}$	$1.353 \cdot 10^{-9}$	0
cHtbRe	$1.041 \cdot 10^{-7}$	$1.041 \cdot 10^{-7}$	0	$1.263 \cdot 10^{-9}$	$1.263 \cdot 10^{-9}$	0
cW	$-4.675 \cdot 10^{-7}$	$-4.675 \cdot 10^{-7}$	0	$2.933 \cdot 10^{-6}$	$2.933 \cdot 10^{-6}$	0
cWtil	$-4.659 \cdot 10^{-7}$	$-4.659 \cdot 10^{-7}$	0	$2.935 \cdot 10^{-6}$	$2.935 \cdot 10^{-6}$	0
cbHIm	$1.109 \cdot 10^{-8}$	$1.109 \cdot 10^{-8}$	0	$2.667 \cdot 10^{-11}$	$2.667 \cdot 10^{-11}$	0
cbHRe	$2.444 \cdot 10^{-9}$	$2.444 \cdot 10^{-9}$	0	$6.715 \cdot 10^{-12}$	$6.715 \cdot 10^{-12}$	0
cbWIm	$2.336 \cdot 10^{-8}$	$2.336 \cdot 10^{-8}$	0	$1.413 \cdot 10^{-8}$	$1.413 \cdot 10^{-8}$	0
cbWRe	$-1.704 \cdot 10^{-7}$	$-1.704 \cdot 10^{-7}$	0	$1.659 \cdot 10^{-8}$	$1.659 \cdot 10^{-8}$	0
cll1	$5.968 \cdot 10^{-6}$	$5.968 \cdot 10^{-6}$	0	$7.946 \cdot 10^{-7}$	$7.946 \cdot 10^{-7}$	0
ctBIm	$-1.596 \cdot 10^{-8}$	$-1.596 \cdot 10^{-8}$	0	$2.309 \cdot 10^{-8}$	$2.309 \cdot 10^{-8}$	0
ctBRe	$8.124 \cdot 10^{-7}$	$8.124 \cdot 10^{-7}$	0	$1.251 \cdot 10^{-7}$	$1.251 \cdot 10^{-7}$	0
ctHIm	$2.189 \cdot 10^{-7}$	$2.189 \cdot 10^{-7}$	0	$7.92 \cdot 10^{-7}$	$7.92 \cdot 10^{-7}$	0
ctHRe	$-2.785 \cdot 10^{-7}$	$-2.785 \cdot 10^{-7}$	0	$1.309 \cdot 10^{-7}$	$1.309 \cdot 10^{-7}$	0
ctWIm	$4.489 \cdot 10^{-6}$	$4.489 \cdot 10^{-6}$	0	$4.096 \cdot 10^{-5}$	$4.096 \cdot 10^{-5}$	0
ctWRe	$-3.021 \cdot 10^{-6}$	$-3.021 \cdot 10^{-6}$	0	$2.257 \cdot 10^{-5}$	$2.257 \cdot 10^{-5}$	0
sm	0	0	0	0.0001273	0.0001273	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	-25.76	-25.76	0	1.266	1.266	0
cHW	0.256	0.256	0	2.986	2.986	0
cHWB	-10.92	-10.92	0	1.94	1.94	0
cHWBtil	$7.059 \cdot 10^{-15}$	$7.059 \cdot 10^{-15}$	0	0.01347	0.01347	0
cHWtil	$1.265 \cdot 10^{-14}$	$1.265 \cdot 10^{-14}$	0	1.842	1.842	0
cHl3	-6.33	-6.33	0	0.9493	0.9493	0
cW	0.07906	0.07906	0	0.9709	0.9709	0
cWtil	$\color{red}{-1.327 \cdot 10^{-13}}$	$\color{red}{-1.273 \cdot 10^{-13}}$	$\color{red}{0.04053}$	0.9712	0.9712	0
cll1	2.413	2.413	0	0.1796	0.1796	0
sm	0	0	0	122.3	122.3	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	-0.04672	-0.04672	0	0.2695	0.2695	0
cHBtil	$-2.879 \cdot 10^{-17}$	$-2.879 \cdot 10^{-17}$	0	0.2695	0.2695	0
cHW	-0.009647	-0.009647	0	0.02503	0.02503	0
cHWB	-0.01614	-0.01614	0	0.09349	0.09349	0
cHWBtil	$5.22 \cdot 10^{-17}$	$5.22 \cdot 10^{-17}$	0	0.0899	0.0899	0
cHWtil	$3.687 \cdot 10^{-17}$	$3.687 \cdot 10^{-17}$	0	0.02503	0.02503	0
cW	0.004666	0.004666	0	0.651	0.651	0
cWtil	$\color{red}{-1.038 \cdot 10^{-16}}$	$\color{red}{-1.092 \cdot 10^{-16}}$	$\color{red}{-0.05198}$	0.651	0.651	0
sm	0	0	0	0.6108	0.6108	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-1.509 \cdot 10^{-8}$	$-1.509 \cdot 10^{-8}$	0	$3.022 \cdot 10^{-7}$	$3.022 \cdot 10^{-7}$	0
cHBtil	$3.438 \cdot 10^{-8}$	$3.438 \cdot 10^{-8}$	0	$1.036 \cdot 10^{-6}$	$1.036 \cdot 10^{-6}$	0
cHW	$2.302 \cdot 10^{-10}$	$2.302 \cdot 10^{-10}$	0	$8.612 \cdot 10^{-9}$	$8.612 \cdot 10^{-9}$	0
cHWB	$1.214 \cdot 10^{-7}$	$1.214 \cdot 10^{-7}$	0	$3.274 \cdot 10^{-7}$	$3.274 \cdot 10^{-7}$	0
cHWBtil	$-6.535 \cdot 10^{-8}$	$-6.535 \cdot 10^{-8}$	0	$1.262 \cdot 10^{-7}$	$1.262 \cdot 10^{-7}$	0
cHWtil	$-2.966 \cdot 10^{-9}$	$-2.966 \cdot 10^{-9}$	0	$5.648 \cdot 10^{-9}$	$5.648 \cdot 10^{-9}$	0
cW	$9.289 \cdot 10^{-8}$	$9.289 \cdot 10^{-8}$	0	$1.492 \cdot 10^{-6}$	$1.492 \cdot 10^{-6}$	0
cWtil	$-5.849 \cdot 10^{-8}$	$-5.849 \cdot 10^{-8}$	0	$1.491 \cdot 10^{-6}$	$1.491 \cdot 10^{-6}$	0
sm	0	0	0	$3.703 \cdot 10^{-7}$	$3.703 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0002664	-0.0002664	0	$5.808 \cdot 10^{-6}$	$5.808 \cdot 10^{-6}$	0
cHQ3	0.00254	0.00254	0	$7.699 \cdot 10^{-5}$	$7.699 \cdot 10^{-5}$	0
cHWB	-0.001381	-0.001381	0	$6.645 \cdot 10^{-5}$	$6.645 \cdot 10^{-5}$	0
cHj3	0.00146	0.00146	0	$4.424 \cdot 10^{-5}$	$4.424 \cdot 10^{-5}$	0
cHl3	$-3.853 \cdot 10^{-5}$	$-3.853 \cdot 10^{-5}$	0	$3.36 \cdot 10^{-6}$	$3.36 \cdot 10^{-6}$	0
cHtbIm	$5.598 \cdot 10^{-21}$	$5.598 \cdot 10^{-21}$	0	$6.76 \cdot 10^{-6}$	$6.76 \cdot 10^{-6}$	0
cHtbRe	$-1.96 \cdot 10^{-6}$	$-1.96 \cdot 10^{-6}$	0	$2.999 \cdot 10^{-5}$	$2.999 \cdot 10^{-5}$	0
cHudIm	$\textcolor{blue}{1.258 \cdot 10^{-37}}$	$\textcolor{blue}{2.515 \cdot 10^{-37}}$	$\textcolor{blue}{-1}$	$4.227 \cdot 10^{-24}$	$4.227 \cdot 10^{-24}$	$-2.674 \cdot 10^{-6}$
cHudRe	$3.298 \cdot 10^{-21}$	$3.298 \cdot 10^{-21}$	$-1.334 \cdot 10^{-6}$	$4.983 \cdot 10^{-25}$	$4.983 \cdot 10^{-25}$	$-2.669 \cdot 10^{-6}$
cQj31	0.1357	0.1357	0	0.6413	0.6413	0
cQj38	$\textcolor{red}{1.517 \cdot 10^{-9}}$	$\textcolor{red}{2.675 \cdot 10^{-19}}$	$\textcolor{red}{1}$	0.239	0.239	0

cQtjd1Im	$6.007 \cdot 10^{-14}$	$6.007 \cdot 10^{-14}$	$-5.827 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cQtjd1Re	$-3.581 \cdot 10^{-10}$	$-3.581 \cdot 10^{-10}$	$-5.865 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cQtjd8Im	$2.121 \cdot 10^{-27}$	$-2.68 \cdot 10^{-27}$	2.264	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.151 \cdot 10^{-6}$
cQtjd8Re	$-1.34 \cdot 10^{-27}$	$-4.241 \cdot 10^{-27}$	-2.165	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.151 \cdot 10^{-6}$
cQujb1Im	$-8.255 \cdot 10^{-17}$	$-8.255 \cdot 10^{-17}$	$-7.268 \cdot 10^{-7}$	$2.394 \cdot 10^{-11}$	$2.394 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
cQujb1Re	$-5.32 \cdot 10^{-13}$	$-5.32 \cdot 10^{-13}$	$-7.331 \cdot 10^{-7}$	$2.806 \cdot 10^{-11}$	$2.806 \cdot 10^{-11}$	$-1.461 \cdot 10^{-6}$
cQujb8Im	$-1.335 \cdot 10^{-16}$	$-1.335 \cdot 10^{-16}$	$-7.488 \cdot 10^{-7}$	$7.933 \cdot 10^{-12}$	$7.933 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
cQujb8Re	$-6.227 \cdot 10^{-13}$	$-6.227 \cdot 10^{-13}$	$-7.226 \cdot 10^{-7}$	$4.76 \cdot 10^{-12}$	$4.76 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
cbWIm	$6.56 \cdot 10^{-19}$	$6.56 \cdot 10^{-19}$	0	0.01217	0.01217	0
cbWRe	-0.0002241	-0.0002241	0	0.01313	0.01313	0
cdWIm	$3.634 \cdot 10^{-26}$	$3.661 \cdot 10^{-26}$	-0.007565	$9.284 \cdot 10^{-12}$	$9.284 \cdot 10^{-12}$	$-1.174 \cdot 10^{-6}$
cdWRe	$-9.98 \cdot 10^{-12}$	$-9.98 \cdot 10^{-12}$	$-5.912 \cdot 10^{-7}$	$7.174 \cdot 10^{-12}$	$7.174 \cdot 10^{-12}$	$-1.171 \cdot 10^{-6}$
cjQbd1Im	$-9.955 \cdot 10^{-16}$	$-9.955 \cdot 10^{-16}$	$-5.927 \cdot 10^{-7}$	$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cjQbd1Re	$5.897 \cdot 10^{-12}$	$5.897 \cdot 10^{-12}$	$-5.936 \cdot 10^{-7}$	$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
cjQbd8Im	$-1.325 \cdot 10^{-15}$	$-1.325 \cdot 10^{-15}$	$-6.037 \cdot 10^{-7}$	$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.188 \cdot 10^{-6}$
cjQbd8Re	$7.911 \cdot 10^{-12}$	$7.911 \cdot 10^{-12}$	$-5.815 \cdot 10^{-7}$	$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.188 \cdot 10^{-6}$
cjQtu1Im	$8.517 \cdot 10^{-15}$	$8.517 \cdot 10^{-15}$	$-7.28 \cdot 10^{-7}$	$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.429 \cdot 10^{-6}$
cjQtu1Re	$5.094 \cdot 10^{-11}$	$5.094 \cdot 10^{-11}$	$-7.263 \cdot 10^{-7}$	$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.429 \cdot 10^{-6}$
cjQtu8Im	$1.138 \cdot 10^{-14}$	$1.138 \cdot 10^{-14}$	$-7.031 \cdot 10^{-7}$	$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
cjQtu8Re	$6.758 \cdot 10^{-11}$	$6.758 \cdot 10^{-11}$	$-7.251 \cdot 10^{-7}$	$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
cjtQd1Im	$6.608 \cdot 10^{-15}$	$6.608 \cdot 10^{-15}$	$-5.902 \cdot 10^{-7}$	$1.967 \cdot 10^{-11}$	$1.967 \cdot 10^{-11}$	$-1.169 \cdot 10^{-6}$
cjtQd1Re	$-7.347 \cdot 10^{-11}$	$-7.347 \cdot 10^{-11}$	$-5.852 \cdot 10^{-7}$	$6.789 \cdot 10^{-11}$	$6.789 \cdot 10^{-11}$	$-1.178 \cdot 10^{-6}$
cjtQd8Im	$1.081 \cdot 10^{-14}$	$1.081 \cdot 10^{-14}$	$-6.475 \cdot 10^{-7}$	$6.569 \cdot 10^{-12}$	$6.569 \cdot 10^{-12}$	$-1.172 \cdot 10^{-6}$
cjtQd8Re	$-1.259 \cdot 10^{-10}$	$-1.259 \cdot 10^{-10}$	$-5.561 \cdot 10^{-7}$	$2.487 \cdot 10^{-11}$	$2.487 \cdot 10^{-11}$	$-1.166 \cdot 10^{-6}$
cjuQb1Im	$-3.205 \cdot 10^{-16}$	$-3.205 \cdot 10^{-16}$	$-7.487 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
cjuQb1Re	$-1.911 \cdot 10^{-12}$	$-1.911 \cdot 10^{-12}$	$-7.326 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
cjuQb8Im	$1.122 \cdot 10^{-29}$	$3.318 \cdot 10^{-31}$	0.9704	$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
cjuQb8Re	$-5.2 \cdot 10^{-29}$	$2.17 \cdot 10^{-29}$	1.417	$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
cll1	$1.929 \cdot 10^{-5}$	$1.929 \cdot 10^{-5}$	0	$8.408 \cdot 10^{-7}$	$8.408 \cdot 10^{-7}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctWIm	$7.063 \cdot 10^{-18}$	$7.063 \cdot 10^{-18}$	0	0.01196	0.01196	0
ctWRe	-0.00416	-0.00416	0	0.009789	0.009789	0
cuWIm	$1.788 \cdot 10^{-27}$	$1.698 \cdot 10^{-27}$	0.05027	$3.366 \cdot 10^{-13}$	$3.366 \cdot 10^{-13}$	$-1.456 \cdot 10^{-6}$
cuWRe	$-1.405 \cdot 10^{-12}$	$-1.405 \cdot 10^{-12}$	$-7.12 \cdot 10^{-7}$	$1.986 \cdot 10^{-12}$	$1.986 \cdot 10^{-12}$	$-1.46 \cdot 10^{-6}$
cutbd1Im	$8.759 \cdot 10^{-27}$	$8.759 \cdot 10^{-27}$	$-1.336 \cdot 10^{-6}$	$7.561 \cdot 10^{-21}$	$7.561 \cdot 10^{-21}$	$-2.658 \cdot 10^{-6}$
cutbd1Re	$-5.229 \cdot 10^{-23}$	$-5.229 \cdot 10^{-23}$	$-1.32 \cdot 10^{-6}$	$2.728 \cdot 10^{-21}$	$2.728 \cdot 10^{-21}$	$-2.639 \cdot 10^{-6}$
cutbd8Im	$1.168 \cdot 10^{-26}$	$1.168 \cdot 10^{-26}$	$-1.37 \cdot 10^{-6}$	$3.946 \cdot 10^{-21}$	$3.946 \cdot 10^{-21}$	$-2.661 \cdot 10^{-6}$
cutbd8Re	$-6.972 \cdot 10^{-23}$	$-6.972 \cdot 10^{-23}$	$-1.334 \cdot 10^{-6}$	$6.062 \cdot 10^{-22}$	$6.062 \cdot 10^{-22}$	$-2.656 \cdot 10^{-6}$
sm	0	0	0	0.003057	0.003057	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	-0.06932	-0.06932	0	0.1776	0.1776	0
cHBtil	$-3.815 \cdot 10^{-16}$	$-3.815 \cdot 10^{-16}$	0	0.1441	0.1441	0
cHDD	-31.89	-31.89	0	0.4535	0.4535	0
cHW	0.02308	0.02308	0	0.01508	0.01508	0
cHWB	-0.01725	-0.01725	0	0.5465	0.5465	0
cHWBtil	$-3.264 \cdot 10^{-16}$	$-3.264 \cdot 10^{-16}$	0	0.4348	0.4348	0
cHWtil	$-4.765 \cdot 10^{-15}$	$-4.765 \cdot 10^{-15}$	0	0.2286	0.2286	0
cHl3	-0.03288	-0.03288	0	0.00187	0.00187	0
cW	0.006858	0.006858	0	0.4593	0.4593	0
cWtil	$-2.35 \cdot 10^{-16}$	$-3.535 \cdot 10^{-16}$	-0.504	0.4594	0.4594	0
cll1	0.01654	0.01654	0	0.0004704	0.0004704	0
sm	0	0	0	534.2	534.2	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.00071	-0.00071	0	$2.047 \cdot 10^{-5}$	$2.047 \cdot 10^{-5}$	0
cHWB	-0.0006685	-0.0006685	0	0.0003364	0.0003364	0
cHe	$6.604 \cdot 10^{-5}$	$6.604 \cdot 10^{-5}$	0	$2.421 \cdot 10^{-5}$	$2.421 \cdot 10^{-5}$	0
cHl1	-0.0002519	-0.0002519	0	$2.225 \cdot 10^{-5}$	$2.225 \cdot 10^{-5}$	0
cHl3	$-9.584 \cdot 10^{-5}$	$-9.584 \cdot 10^{-5}$	0	$1.028 \cdot 10^{-5}$	$1.028 \cdot 10^{-5}$	0
ceBIm	$5.866 \cdot 10^{-24}$	$5.975 \cdot 10^{-24}$	-0.01859	$1.112 \cdot 10^{-7}$	$1.112 \cdot 10^{-7}$	$6.026 \cdot 10^{-6}$
ceBRe	$1.444 \cdot 10^{-6}$	$1.444 \cdot 10^{-6}$	$2.978 \cdot 10^{-6}$	$9.524 \cdot 10^{-7}$	$9.524 \cdot 10^{-7}$	$6.069 \cdot 10^{-6}$
ceHIm	$4.831 \cdot 10^{-29}$	$-6.792 \cdot 10^{-29}$	2.406	$7.277 \cdot 10^{-14}$	$7.277 \cdot 10^{-14}$	$2.762 \cdot 10^{-6}$
ceHRe	$-2.415 \cdot 10^{-12}$	$-2.415 \cdot 10^{-12}$	$1.408 \cdot 10^{-6}$	$1.455 \cdot 10^{-13}$	$1.455 \cdot 10^{-13}$	$2.749 \cdot 10^{-6}$
ceWIm	$3.206 \cdot 10^{-25}$	$-3.584 \cdot 10^{-25}$	2.118	$7.352 \cdot 10^{-8}$	$7.352 \cdot 10^{-8}$	$6.08 \cdot 10^{-6}$
ceWRe	$-7.717 \cdot 10^{-7}$	$-7.717 \cdot 10^{-7}$	$3.045 \cdot 10^{-6}$	$6.493 \cdot 10^{-7}$	$6.493 \cdot 10^{-7}$	$6.068 \cdot 10^{-6}$
cee	0.0853	0.0853	0	0.6644	0.6644	0
cle	0.1235	0.1235	0	0.968	0.968	0
cll	0.2152	0.2152	0	1.565	1.565	0
cll1	0.05085	0.05085	0	0.3735	0.3735	0
sm	0	0	0	0.03529	0.03529	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.5521	-0.5521	0	0.008368	0.008368	0
cHWB	$5.986 \cdot 10^{-22}$	$5.986 \cdot 10^{-22}$	0	$2.351 \cdot 10^{-38}$	$2.351 \cdot 10^{-38}$	0
cHl1	-3.374	-3.374	0	0.2045	0.2045	0
cHl3	$8.721 \cdot 10^{-19}$	$8.721 \cdot 10^{-19}$	0	$1.505 \cdot 10^{-35}$	$1.505 \cdot 10^{-35}$	0
cll	-0.1103	-0.1103	0	2.544	2.544	0
cll1	-0.5305	-0.5305	0	5.557	5.557	0

sm	0	0	0	9.107	9.107	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001504	-0.0001504	0	$2.279 \cdot 10^{-6}$	$2.279 \cdot 10^{-6}$	0
cHWB	$1.799 \cdot 10^{-19}$	$1.799 \cdot 10^{-19}$	0	$9.404 \cdot 10^{-37}$	$9.404 \cdot 10^{-37}$	0
cHl1	$-1.406 \cdot 10^{-6}$	$-1.406 \cdot 10^{-6}$	0	$8.521 \cdot 10^{-8}$	$8.521 \cdot 10^{-8}$	0
cHl3	$3.599 \cdot 10^{-19}$	$3.599 \cdot 10^{-19}$	0	$3.197 \cdot 10^{-36}$	$3.197 \cdot 10^{-36}$	0
cll	0.2016	0.2016	0	1.458	1.458	0
cll1	0.3003	0.3003	0	2.18	2.18	0
sm	0	0	0	0.00248	0.00248	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-5.777 \cdot 10^{-7}$	$-5.777 \cdot 10^{-7}$	0	$7.062 \cdot 10^{-6}$	$7.062 \cdot 10^{-6}$	0
cHBtil	$1.41 \cdot 10^{-24}$	$1.41 \cdot 10^{-24}$	0	$7.062 \cdot 10^{-6}$	$7.062 \cdot 10^{-6}$	0
cHW	$-1.698 \cdot 10^{-7}$	$-1.698 \cdot 10^{-7}$	0	$6.558 \cdot 10^{-7}$	$6.558 \cdot 10^{-7}$	0
cHWB	$3.189 \cdot 10^{-7}$	$3.189 \cdot 10^{-7}$	0	$2.152 \cdot 10^{-6}$	$2.152 \cdot 10^{-6}$	0
cHWBtil	$-8.707 \cdot 10^{-24}$	$-8.707 \cdot 10^{-24}$	0	$2.152 \cdot 10^{-6}$	$2.152 \cdot 10^{-6}$	0
cHWtil	$-4.852 \cdot 10^{-24}$	$-4.852 \cdot 10^{-24}$	0	$6.558 \cdot 10^{-7}$	$6.558 \cdot 10^{-7}$	0
cbBIm	$-6.486 \cdot 10^{-23}$	$-8.023 \cdot 10^{-23}$	-0.237	0.002028	0.002028	0
cbBRe	$8.128 \cdot 10^{-6}$	$8.128 \cdot 10^{-6}$	0	0.002028	0.002028	0
cbWIm	$8.561 \cdot 10^{-23}$	$8.561 \cdot 10^{-23}$	0	0.000618	0.000618	0
cbWRe	$-6.324 \cdot 10^{-5}$	$-6.324 \cdot 10^{-5}$	0	0.0006183	0.0006183	0
sm	0	0	0	0.0003287	0.0003287	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001811	-0.0001811	0	$4.885 \cdot 10^{-6}$	$4.885 \cdot 10^{-6}$	0
cHQ1	0.0002476	0.0002476	0	$5.84 \cdot 10^{-6}$	$5.84 \cdot 10^{-6}$	0
cHQ3	$4.75 \cdot 10^{-5}$	$4.75 \cdot 10^{-5}$	0	$3.632 \cdot 10^{-6}$	$3.632 \cdot 10^{-6}$	0
cHWB	-0.0003165	-0.0003165	0	$3.313 \cdot 10^{-5}$	$3.313 \cdot 10^{-5}$	0
cHbq	$1.522 \cdot 10^{-5}$	$1.522 \cdot 10^{-5}$	0	$3.508 \cdot 10^{-6}$	$3.508 \cdot 10^{-6}$	0
cHe	$-6.504 \cdot 10^{-5}$	$-6.504 \cdot 10^{-5}$	0	$1.03 \cdot 10^{-5}$	$1.03 \cdot 10^{-5}$	0
cHl1	$-9.079 \cdot 10^{-6}$	$-9.079 \cdot 10^{-6}$	0	$6.553 \cdot 10^{-7}$	$6.553 \cdot 10^{-7}$	0
cHl3	-0.0006059	-0.0006059	0	$4.335 \cdot 10^{-5}$	$4.335 \cdot 10^{-5}$	0
cQe	-0.006399	-0.006399	0	0.1467	0.1467	0
cQl1	0.007173	0.007173	0	0.03777	0.03777	0
cQl3	0.001123	0.001123	0	0.005911	0.005911	0
cbBIm	$-7.268 \cdot 10^{-20}$	$-7.268 \cdot 10^{-20}$	0	0.003152	0.003152	0
cbBRe	$5.805 \cdot 10^{-5}$	$5.805 \cdot 10^{-5}$	0	0.0007877	0.0007877	0
cbHIm	$-9.761 \cdot 10^{-28}$	$-9.761 \cdot 10^{-28}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
cbHRe	$-9.162 \cdot 10^{-11}$	$-9.162 \cdot 10^{-11}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
cbWIm	$-1.875 \cdot 10^{-20}$	$-1.875 \cdot 10^{-20}$	0	0.001914	0.001914	0
cbWRe	$-1.967 \cdot 10^{-5}$	$-1.967 \cdot 10^{-5}$	0	0.0009899	0.0009899	0
cbe	0.0003525	0.0003525	0	0.004121	0.004121	0
cbl	0.0112	0.0112	0	0.2633	0.2633	0
ceBIm	$-3.161 \cdot 10^{-27}$	$-1.625 \cdot 10^{-27}$	0.4859	$1.19 \cdot 10^{-10}$	$1.19 \cdot 10^{-10}$	$-5.881 \cdot 10^{-7}$
ceBRe	$9.025 \cdot 10^{-11}$	$9.025 \cdot 10^{-11}$	$-2.77 \cdot 10^{-7}$	$8.04 \cdot 10^{-11}$	$8.04 \cdot 10^{-11}$	$-5.722 \cdot 10^{-7}$
ceHIm	$1.524 \cdot 10^{-29}$	$9.758 \cdot 10^{-30}$	0.3595	$6.71 \cdot 10^{-14}$	$6.71 \cdot 10^{-14}$	$-5.663 \cdot 10^{-7}$
ceHRe	$-2.202 \cdot 10^{-12}$	$-2.202 \cdot 10^{-12}$	$-2.724 \cdot 10^{-7}$	$6.71 \cdot 10^{-14}$	$6.71 \cdot 10^{-14}$	$-5.663 \cdot 10^{-7}$
ceWIm	$1.471 \cdot 10^{-26}$	$1.123 \cdot 10^{-26}$	0.2368	$7.048 \cdot 10^{-10}$	$7.048 \cdot 10^{-10}$	$-5.675 \cdot 10^{-7}$
ceWRe	$-3.175 \cdot 10^{-11}$	$-3.175 \cdot 10^{-11}$	$-2.835 \cdot 10^{-7}$	$5.37 \cdot 10^{-10}$	$5.37 \cdot 10^{-10}$	$-5.772 \cdot 10^{-7}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
clebQIm	$2.759 \cdot 10^{-25}$	$4.614 \cdot 10^{-26}$	0.8328	$6.138 \cdot 10^{-8}$	$6.138 \cdot 10^{-8}$	$-5.702 \cdot 10^{-7}$
clebQRe	$-2.975 \cdot 10^{-9}$	$-2.975 \cdot 10^{-9}$	$-2.689 \cdot 10^{-7}$	$6.138 \cdot 10^{-8}$	$6.138 \cdot 10^{-8}$	$-5.702 \cdot 10^{-7}$
cll1	0.0004989	0.0004989	0	$2.685 \cdot 10^{-5}$	$2.685 \cdot 10^{-5}$	0
sm	0	0	0	0.002313	0.002313	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$4.246 \cdot 10^{-7}$	$4.246 \cdot 10^{-7}$	0	$7.931 \cdot 10^{-8}$	$7.931 \cdot 10^{-8}$	0
cHQ1	$4.111 \cdot 10^{-5}$	$4.111 \cdot 10^{-5}$	0	$1.476 \cdot 10^{-6}$	$1.476 \cdot 10^{-6}$	0
cHQ3	0.0004002	0.0004002	0	$1.437 \cdot 10^{-5}$	$1.437 \cdot 10^{-5}$	0
cHWB	$-2.69 \cdot 10^{-5}$	$-2.69 \cdot 10^{-5}$	0	$3.459 \cdot 10^{-6}$	$3.459 \cdot 10^{-6}$	0
cHbq	$-6.937 \cdot 10^{-6}$	$-6.937 \cdot 10^{-6}$	0	$1.353 \cdot 10^{-6}$	$1.353 \cdot 10^{-6}$	0
cHl1	$-7.263 \cdot 10^{-5}$	$-7.263 \cdot 10^{-5}$	0	$2.202 \cdot 10^{-6}$	$2.202 \cdot 10^{-6}$	0
cHl3	$-3.339 \cdot 10^{-5}$	$-3.339 \cdot 10^{-5}$	0	$3.588 \cdot 10^{-6}$	$3.588 \cdot 10^{-6}$	0
cQl1	-0.04494	-0.04494	0	0.1924	0.1924	0
cQl3	0.02092	0.02092	0	0.08958	0.08958	0
cbBIm	$1.314 \cdot 10^{-20}$	$1.314 \cdot 10^{-20}$	0	0.0004661	0.0004661	0
cbBRe	$-4.614 \cdot 10^{-6}$	$-4.614 \cdot 10^{-6}$	0	0.000495	0.000495	0
cbWIm	$1.203 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0	0.001577	0.001577	0
cbWRe	$-3.183 \cdot 10^{-5}$	$-3.183 \cdot 10^{-5}$	0	0.002157	0.002157	0
cbl	0.006212	0.006212	0	0.1443	0.1443	0
cll1	$3.931 \cdot 10^{-5}$	$3.931 \cdot 10^{-5}$	0	$1.746 \cdot 10^{-6}$	$1.746 \cdot 10^{-6}$	0
sm	0	0	0	0.000166	0.000166	0

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

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.009642	0.009642	0	$4.927 \cdot 10^{-5}$	$4.927 \cdot 10^{-5}$	0
cHQ1	-0.01703	-0.01703	0	0.0002112	0.0002112	0
cHQ3	-0.05996	-0.05996	0	0.001601	0.001601	0
cHWB	0.0002859	0.0002859	0	$3.779 \cdot 10^{-5}$	$3.779 \cdot 10^{-5}$	0
cHbq	0.002666	0.002666	0	0.0004159	0.0004159	0
cHl3	0.02128	0.02128	0	0.00033	0.00033	0
cQQ1	-0.001904	-0.001904	0	0.07699	0.07699	0
cQQ8	-0.3718	-0.3718	$-2.69 \cdot 10^{-8}$	0.349	0.349	$-2.865 \cdot 10^{-8}$
cQb1	0.2349	0.2349	0	2.018	2.018	0
cQb8	-0.2651	-0.2651	0	0.8313	0.8313	0
cbBIm	$1.145 \cdot 10^{-18}$	$1.172 \cdot 10^{-18}$	-0.02363	0.02186	0.02186	0
cbBRe	0.0001329	0.0001329	0	0.01407	0.01407	0
cbGIm	$1.727 \cdot 10^{-18}$	$2.91 \cdot 10^{-18}$	-0.6856	2.84	2.84	0
cbGRe	-0.0205	-0.0205	0	0.5489	0.5489	0
cbHIm	$1.307 \cdot 10^{-20}$	$1.307 \cdot 10^{-20}$	0.0002988	$2.758 \cdot 10^{-6}$	$2.758 \cdot 10^{-6}$	0
cbHRe	0.003853	0.003853	0	$4.937 \cdot 10^{-6}$	$4.937 \cdot 10^{-6}$	0
cbWIm	$2.575 \cdot 10^{-18}$	$2.584 \cdot 10^{-18}$	-0.003525	0.07986	0.07986	0
cbWRe	-0.002398	-0.002398	0	0.009124	0.009124	0
cbb	-2.275	-2.275	0	4.634	4.634	0
cll1	-0.01064	-0.01064	0	$8.25 \cdot 10^{-5}$	$8.25 \cdot 10^{-5}$	0
sm	0	0	0	10.58	10.58	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0007424	-0.0007424	0	$1.562 \cdot 10^{-5}$	$1.562 \cdot 10^{-5}$	0
cHQ1	$1.88 \cdot 10^{-5}$	$1.88 \cdot 10^{-5}$	0	$1.661 \cdot 10^{-6}$	$1.661 \cdot 10^{-6}$	0

cHQ3	$6.464 \cdot 10^{-5}$	$6.464 \cdot 10^{-5}$	0	$2.817 \cdot 10^{-6}$	$2.817 \cdot 10^{-6}$	0
cHWB	-0.001109	-0.001109	0	$4.081 \cdot 10^{-5}$	$4.081 \cdot 10^{-5}$	0
cHbq	$-7.609 \cdot 10^{-5}$	$-7.609 \cdot 10^{-5}$	0	$3.671 \cdot 10^{-5}$	$3.671 \cdot 10^{-5}$	0
cHd	$-3.075 \cdot 10^{-5}$	$-3.075 \cdot 10^{-5}$	0	$9.47 \cdot 10^{-6}$	$9.47 \cdot 10^{-6}$	0
cHj1	$6.463 \cdot 10^{-5}$	$6.463 \cdot 10^{-5}$	0	$2.817 \cdot 10^{-6}$	$2.817 \cdot 10^{-6}$	0
cHj3	0.0006359	0.0006359	0	$2.07 \cdot 10^{-5}$	$2.07 \cdot 10^{-5}$	0
cHl3	$9.487 \cdot 10^{-6}$	$9.487 \cdot 10^{-6}$	0	$3.843 \cdot 10^{-7}$	$3.843 \cdot 10^{-7}$	0
cQd1	-0.0002714	-0.0002714	0	0.0187	0.0187	0
cQd8	0.008607	0.008607	0	0.002901	0.002901	0
cQj11	0.004574	0.004574	0	0.02089	0.02089	0
cQj18	0.02208	0.02208	0	0.007449	0.007449	0
cQj31	0.1519	0.1519	0	0.6936	0.6936	0
cQj38	0.269	0.269	0	0.09079	0.09079	0
cbBIm	$-1.43 \cdot 10^{-20}$	$-1.43 \cdot 10^{-20}$	0	0.0009908	0.0009908	0
cbBRe	$-2.945 \cdot 10^{-6}$	$-2.945 \cdot 10^{-6}$	0	$7.53 \cdot 10^{-5}$	$7.53 \cdot 10^{-5}$	0
cbGIm	$-4.595 \cdot 10^{-26}$	$-4.595 \cdot 10^{-26}$	$2.394 \cdot 10^{-7}$	0.03337	0.03337	0
cbGRe	-0.004666	-0.004666	0	0.03624	0.03624	0
cbHIm	$-1.087 \cdot 10^{-29}$	$-1.749 \cdot 10^{-31}$	0.9839	$6.823 \cdot 10^{-13}$	$6.823 \cdot 10^{-13}$	0
cbHRe	$-5.395 \cdot 10^{-13}$	$-5.395 \cdot 10^{-13}$	0	$6.822 \cdot 10^{-13}$	$6.822 \cdot 10^{-13}$	0
cbWIm	$1.174 \cdot 10^{-19}$	$1.174 \cdot 10^{-19}$	0	0.003196	0.003196	0
cbWRe	-0.0001146	-0.0001146	0	0.006305	0.006305	0
cbd1	0.01213	0.01213	0	0.425	0.425	0
cbd8	0.2205	0.2205	0	0.0744	0.0744	0
cbj1	-0.0002681	-0.0002681	0	0.0187	0.0187	0
cbj8	0.01842	0.01842	0	0.006213	0.006213	0
cdBIm	$1.396 \cdot 10^{-29}$	$-3.243 \cdot 10^{-30}$	1.232	$4.698 \cdot 10^{-13}$	$4.698 \cdot 10^{-13}$	$-1.171 \cdot 10^{-6}$
cdBRe	$-5.903 \cdot 10^{-13}$	$-5.903 \cdot 10^{-13}$	$-5.76 \cdot 10^{-7}$	$7.129 \cdot 10^{-13}$	$7.129 \cdot 10^{-13}$	$-1.178 \cdot 10^{-6}$
cdGIm	$8.028 \cdot 10^{-27}$	$8.015 \cdot 10^{-27}$	0.001682	$1.979 \cdot 10^{-12}$	$1.979 \cdot 10^{-12}$	$-1.162 \cdot 10^{-6}$
cdGRe	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-6.436 \cdot 10^{-7}$	$1.979 \cdot 10^{-12}$	$1.979 \cdot 10^{-12}$	$-1.162 \cdot 10^{-6}$

	interference			square		
cdHIm	$2.893 \cdot 10^{-30}$	$2.191 \cdot 10^{-30}$	0.2424	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
cdHRe	$-1.295 \cdot 10^{-14}$	$-1.295 \cdot 10^{-14}$	$-6.176 \cdot 10^{-7}$	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
cdWIm	$2.664 \cdot 10^{-28}$	$-1.402 \cdot 10^{-28}$	1.526	$4.29 \cdot 10^{-12}$	$4.29 \cdot 10^{-12}$	$-1.189 \cdot 10^{-6}$
cdWRe	$-3.925 \cdot 10^{-12}$	$-3.925 \cdot 10^{-12}$	$-5.86 \cdot 10^{-7}$	$4.221 \cdot 10^{-12}$	$4.221 \cdot 10^{-12}$	$-1.185 \cdot 10^{-6}$
cjQbd1Im	$-2.441 \cdot 10^{-28}$	$-7.826 \cdot 10^{-28}$	-2.206	$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$
cjQbd1Re	$8.909 \cdot 10^{-12}$	$8.909 \cdot 10^{-12}$	$-5.949 \cdot 10^{-7}$	$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$
cjQbd8Im	$2.002 \cdot 10^{-28}$	$-4.669 \cdot 10^{-29}$	1.233	$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$
cjQbd8Re	$1.541 \cdot 10^{-11}$	$1.541 \cdot 10^{-11}$	$-5.84 \cdot 10^{-7}$	$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$
cll1	$-4.744 \cdot 10^{-6}$	$-4.744 \cdot 10^{-6}$	0	$9.608 \cdot 10^{-8}$	$9.608 \cdot 10^{-8}$	0
sm	0	0	0	0.7544	0.7544	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0103	-0.0103	0	0.0007763	0.0007763	0
cHQ1	-0.000715	-0.000715	0	$5.893 \cdot 10^{-6}$	$5.893 \cdot 10^{-6}$	0
cHQ3	-0.01603	-0.01603	0	0.003794	0.003794	0
cHWB	-0.1608	-0.1608	0	0.01375	0.01375	0
cHbq	-0.0001313	-0.0001313	0	$5.717 \cdot 10^{-6}$	$5.717 \cdot 10^{-6}$	0
cHl3	0.003606	0.003606	0	0.009232	0.009232	0
cHt	-0.001171	-0.001171	0	$1.187 \cdot 10^{-5}$	$1.187 \cdot 10^{-5}$	0
cHtbIm	$2.123 \cdot 10^{-21}$	$2.134 \cdot 10^{-21}$	-0.005543	0.001992	0.001992	0
cHtbRe	-0.0005491	-0.0005491	0	0.0005772	0.0005772	0
cQQ1	-1.32	-1.32	0	2.513	2.513	0
cQQ8	-3.517	-3.517	0	0.7278	0.7278	0
cQb1	-0.01399	-0.01399	0	0.8638	0.8638	0
cQb8	0.04401	0.04401	0	0.008232	0.008232	0
cQt1	-0.09869	-0.09869	0	0.0293	0.0293	0

	interference			square		
cQt8	-0.1541	-0.1541	0	0.0009614	0.0009614	0
cQtQb1Im	$-2.744 \cdot 10^{-18}$	$-2.71 \cdot 10^{-18}$	0.01238	1.202	1.202	0
cQtQb1Re	-0.005793	-0.005793	0	0.7237	0.7237	0
cQtQb8Im	$7.821 \cdot 10^{-19}$	$7.829 \cdot 10^{-19}$	-0.0009627	0.09727	0.09727	0
cQtQb8Re	0.005463	0.005463	0	0.09516	0.09516	0
cbBIm	$2.732 \cdot 10^{-21}$	$2.732 \cdot 10^{-21}$	0	0.00346	0.00346	0
cbBRe	0.0003752	0.0003752	0	0.002119	0.002119	0
cbGIm	$-1.712 \cdot 10^{-19}$	$-1.71 \cdot 10^{-19}$	0.0011	0.01048	0.01048	0
cbGRe	-0.003805	-0.003805	0	0.03888	0.03888	0
cbHIm	$-6.776 \cdot 10^{-21}$	$-7.906 \cdot 10^{-21}$	-0.1667	0.0008223	0.0008223	0
cbHRe	-0.0004185	-0.0004185	0	0.0008222	0.0008222	0
cbWIm	$-3.665 \cdot 10^{-19}$	$-3.684 \cdot 10^{-19}$	-0.005201	1.839	1.839	0
cbWRe	-0.01017	-0.01017	0	0.4441	0.4441	0
cll1	-0.005354	-0.005354	0	0.001975	0.001975	0
ctBIm	$-2.538 \cdot 10^{-19}$	$-2.402 \cdot 10^{-19}$	0.05341	0.0002456	0.0002456	0
ctBRe	0.002586	0.002586	0	0.000866	0.000866	0
ctGIm	$-1.227 \cdot 10^{-19}$	$-1.069 \cdot 10^{-19}$	0.1289	0.005715	0.005715	0
ctGRe	-0.09226	-0.09226	0	0.0445	0.0445	0
ctHIm	$1.798 \cdot 10^{-21}$	$1.798 \cdot 10^{-21}$	0	$5.466 \cdot 10^{-7}$	$5.466 \cdot 10^{-7}$	0
ctHRe	$-1.015 \cdot 10^{-5}$	$-1.015 \cdot 10^{-5}$	0	$4.813 \cdot 10^{-7}$	$4.813 \cdot 10^{-7}$	0
ctWIm	$-2.719 \cdot 10^{-17}$	$-2.719 \cdot 10^{-17}$	$-3.457 \cdot 10^{-6}$	0.004135	0.004135	0
ctWRe	0.01577	0.01577	0	0.09834	0.09834	0
ctb1	-0.0007115	-0.0007115	0	0.004988	0.004988	0
ctb8	0.04995	0.04995	0	0.01023	0.01023	0
sm	0	0	0	0.3667	0.3667	0

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

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0004626	-0.0004626	0	$1.09 \cdot 10^{-5}$	$1.09 \cdot 10^{-5}$	0
cHQ1	0.0007126	0.0007126	0	$2.036 \cdot 10^{-5}$	$2.036 \cdot 10^{-5}$	0
cHQ3	0.0002264	0.0002264	0	$8.011 \cdot 10^{-6}$	$8.011 \cdot 10^{-6}$	0
cHWB	-0.0007619	-0.0007619	0	$5.223 \cdot 10^{-5}$	$5.223 \cdot 10^{-5}$	0
cHbq	-0.0001073	-0.0001073	0	$5.686 \cdot 10^{-6}$	$5.686 \cdot 10^{-6}$	0
cHj1	-0.0002391	-0.0002391	0	$9.086 \cdot 10^{-6}$	$9.086 \cdot 10^{-6}$	0
cHj3	0.001302	0.001302	0	$4.507 \cdot 10^{-5}$	$4.507 \cdot 10^{-5}$	0
cHl3	-0.002239	-0.002239	0	0.0002109	0.0002109	0
cHu	$6.754 \cdot 10^{-5}$	$6.754 \cdot 10^{-5}$	0	$1.667 \cdot 10^{-6}$	$1.667 \cdot 10^{-6}$	0
cQj11	-0.1496	-0.1496	0	0.7317	0.7317	0
cQj18	0.1116	0.1116	0	0.03768	0.03768	0
cQj31	0.08011	0.08011	0	0.3918	0.3918	0
cQj38	-0.5922	-0.5922	$-1.689 \cdot 10^{-8}$	0.1998	0.1998	0
cQu1	$7.676 \cdot 10^{-5}$	$7.676 \cdot 10^{-5}$	0	0.002674	0.002674	0
cQu8	0.2279	0.2279	0	0.0769	0.0769	0
cQujb1Im	$\textcolor{blue}{2.323 \cdot 10^{-29}}$	$\textcolor{blue}{3.293 \cdot 10^{-29}}$	$\textcolor{blue}{-0.4177}$	$1.897 \cdot 10^{-11}$	$1.897 \cdot 10^{-11}$	$-1.423 \cdot 10^{-6}$
cQujb1Re	$-3.953 \cdot 10^{-13}$	$-3.953 \cdot 10^{-13}$	$-7.084 \cdot 10^{-7}$	$4.027 \cdot 10^{-11}$	$4.027 \cdot 10^{-11}$	$-1.44 \cdot 10^{-6}$
cQujb8Im	$\textcolor{blue}{8.995 \cdot 10^{-30}}$	$\textcolor{blue}{3.691 \cdot 10^{-30}}$	$\textcolor{blue}{0.5896}$	$8.673 \cdot 10^{-13}$	$8.673 \cdot 10^{-13}$	$-1.453 \cdot 10^{-6}$
cQujb8Re	$-1.471 \cdot 10^{-12}$	$-1.471 \cdot 10^{-12}$	$-7.478 \cdot 10^{-7}$	$1.179 \cdot 10^{-11}$	$1.179 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$
cbBIm	$5.947 \cdot 10^{-21}$	$5.948 \cdot 10^{-21}$	-0.0001236	0.002072	0.002072	0
cbBRe	$5.379 \cdot 10^{-5}$	$5.379 \cdot 10^{-5}$	0	0.002565	0.002565	0
cbGIm	$\textcolor{blue}{-1.838 \cdot 10^{-25}}$	$\textcolor{blue}{-2.298 \cdot 10^{-25}}$	$\textcolor{blue}{-0.25}$	0.03195	0.03195	0
cbGRe	-0.004666	-0.004666	0	0.02251	0.02251	0
cbHIm	$\textcolor{blue}{1.359 \cdot 10^{-30}}$	$\textcolor{blue}{-5.697 \cdot 10^{-31}}$	$\textcolor{blue}{1.419}$	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0
cbHRe	$-1.15 \cdot 10^{-13}$	$-1.15 \cdot 10^{-13}$	0	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0
cbWIm	$2.503 \cdot 10^{-20}$	$2.503 \cdot 10^{-20}$	$2.936 \cdot 10^{-5}$	0.003189	0.003189	0
cbWRe	$-1.346 \cdot 10^{-5}$	$-1.346 \cdot 10^{-5}$	0	$1.631 \cdot 10^{-5}$	$1.631 \cdot 10^{-5}$	0
cbj1	-0.001225	-0.001225	0	0.08727	0.08727	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cbj8	0.09215	0.09215	0	0.03109	0.03109	0
cbu1	−0.02833	−0.02833	0	0.4965	0.4965	0
cbu8	0.5922	0.5922	0	0.1998	0.1998	0
cjuQb1Im	$2.69 \cdot 10^{-28}$	$1.764 \cdot 10^{-28}$	0.3441	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
cjuQb1Re	$-3.715 \cdot 10^{-12}$	$-3.715 \cdot 10^{-12}$	$-7.267 \cdot 10^{-7}$	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$
cjuQb8Im	$1.235 \cdot 10^{-32}$	$1.787 \cdot 10^{-29}$	-1446	$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$
cjuQb8Re	$1.473 \cdot 10^{-13}$	$1.473 \cdot 10^{-13}$	$-7.466 \cdot 10^{-7}$	$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$
cll1	0.00112	0.00112	0	$5.272 \cdot 10^{-5}$	$5.272 \cdot 10^{-5}$	0
cuBIm	$6.513 \cdot 10^{-31}$	$3.017 \cdot 10^{-30}$	-3.633	$8.312 \cdot 10^{-14}$	$8.312 \cdot 10^{-14}$	$-1.444 \cdot 10^{-6}$
cuBRe	$8.089 \cdot 10^{-14}$	$8.089 \cdot 10^{-14}$	$-7.294 \cdot 10^{-7}$	$8.312 \cdot 10^{-14}$	$8.312 \cdot 10^{-14}$	$-1.444 \cdot 10^{-6}$
cuGIm	$2.738 \cdot 10^{-28}$	$2.005 \cdot 10^{-28}$	0.2675	$1.205 \cdot 10^{-12}$	$1.205 \cdot 10^{-12}$	$-1.411 \cdot 10^{-6}$
cuGRe	$-2.992 \cdot 10^{-11}$	$-2.992 \cdot 10^{-11}$	$-7.353 \cdot 10^{-7}$	$1.205 \cdot 10^{-12}$	$1.205 \cdot 10^{-12}$	$-1.411 \cdot 10^{-6}$
cuHIm	$1.861 \cdot 10^{-31}$	$1.202 \cdot 10^{-31}$	0.3542	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.45 \cdot 10^{-6}$
cuHRe	$-2.761 \cdot 10^{-15}$	$-2.761 \cdot 10^{-15}$	$-7.243 \cdot 10^{-7}$	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.45 \cdot 10^{-6}$
cuWIm	$-7.519 \cdot 10^{-29}$	$-3.676 \cdot 10^{-29}$	0.5111	$6.943 \cdot 10^{-13}$	$6.943 \cdot 10^{-13}$	$-1.44 \cdot 10^{-6}$
cuWRe	$-1.17 \cdot 10^{-12}$	$-1.17 \cdot 10^{-12}$	$-7.69 \cdot 10^{-7}$	$1.951 \cdot 10^{-13}$	$1.951 \cdot 10^{-13}$	$-1.435 \cdot 10^{-6}$
sm	0	0	0	0.5751	0.5751	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHDD	−0.0001199	−0.0001199	0	$2.614 \cdot 10^{-6}$	$2.614 \cdot 10^{-6}$	0
cHQ3	0.0008329	0.0008329	0	$2.525 \cdot 10^{-5}$	$2.525 \cdot 10^{-5}$	0
cHWB	−0.0008914	−0.0008914	0	$4.291 \cdot 10^{-5}$	$4.291 \cdot 10^{-5}$	0
cHl3	−0.002894	−0.002894	0	0.0001646	0.0001646	0
cHtbIm	$-6.945 \cdot 10^{-23}$	$-6.945 \cdot 10^{-23}$	0	$2.11 \cdot 10^{-6}$	$2.11 \cdot 10^{-6}$	0
cHtbRe	$-6.534 \cdot 10^{-7}$	$-6.534 \cdot 10^{-7}$	0	$8.494 \cdot 10^{-6}$	$8.494 \cdot 10^{-6}$	0
cQl3	0.2469	0.2469	0	1.167	1.167	0

	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
cbWIm	$3.498 \cdot 10^{-20}$	$3.498 \cdot 10^{-20}$	0	0.004331	0.004331	0
cbWRe	-0.0001255	-0.0001255	0	0.001056	0.001056	0
ceWIm	$1.825 \cdot 10^{-28}$	$1.83 \cdot 10^{-28}$	-0.002882	$3.67 \cdot 10^{-14}$	$3.67 \cdot 10^{-14}$	$-3.215 \cdot 10^{-6}$
ceWRe	$-1.411 \cdot 10^{-14}$	$-1.411 \cdot 10^{-14}$	$-1.63 \cdot 10^{-6}$	$3.332 \cdot 10^{-14}$	$3.332 \cdot 10^{-14}$	$-3.211 \cdot 10^{-6}$
cleQt1Im	$2.395 \cdot 10^{-16}$	$2.395 \cdot 10^{-16}$	$-1.628 \cdot 10^{-6}$	$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$
cleQt1Re	$1.42 \cdot 10^{-12}$	$1.42 \cdot 10^{-12}$	$-1.62 \cdot 10^{-6}$	$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$
cleQt3Im	$-2.859 \cdot 10^{-16}$	$-2.859 \cdot 10^{-16}$	$-1.609 \cdot 10^{-6}$	$1.505 \cdot 10^{-12}$	$1.505 \cdot 10^{-12}$	$-3.257 \cdot 10^{-6}$
cleQt3Re	$-4.642 \cdot 10^{-12}$	$-4.642 \cdot 10^{-12}$	$-1.616 \cdot 10^{-6}$	$8.294 \cdot 10^{-12}$	$8.294 \cdot 10^{-12}$	$-3.219 \cdot 10^{-6}$
clebQIm	$-5.95 \cdot 10^{-18}$	$-5.95 \cdot 10^{-18}$	$-1.597 \cdot 10^{-6}$	$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$
clebQRe	$-3.538 \cdot 10^{-14}$	$-3.538 \cdot 10^{-14}$	$-1.611 \cdot 10^{-6}$	$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$
cll1	0.002221	0.002221	0	$9.681 \cdot 10^{-5}$	$9.681 \cdot 10^{-5}$	0
ctWIm	$-5.708 \cdot 10^{-18}$	$-5.708 \cdot 10^{-18}$	0	0.004018	0.004018	0
ctWRe	-0.001624	-0.001624	0	0.003612	0.003612	0
sm	0	0	0	0.001376	0.001376	0

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

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
cHDD	-0.0001974	-0.0001974	0	$5.008 \cdot 10^{-6}$	$5.008 \cdot 10^{-6}$	0
cHWB	$-7.998 \cdot 10^{-5}$	$-7.998 \cdot 10^{-5}$	0	$9.003 \cdot 10^{-6}$	$9.003 \cdot 10^{-6}$	0
cHe	$3.459 \cdot 10^{-5}$	$3.459 \cdot 10^{-5}$	0	$6.271 \cdot 10^{-6}$	$6.271 \cdot 10^{-6}$	0
cHj1	$-1.472 \cdot 10^{-5}$	$-1.472 \cdot 10^{-5}$	0	$3.007 \cdot 10^{-6}$	$3.007 \cdot 10^{-6}$	0
cHj3	$1.339 \cdot 10^{-5}$	$1.339 \cdot 10^{-5}$	0	$3.018 \cdot 10^{-6}$	$3.018 \cdot 10^{-6}$	0
cHl1	$-6.921 \cdot 10^{-6}$	$-6.921 \cdot 10^{-6}$	0	$2.021 \cdot 10^{-6}$	$2.021 \cdot 10^{-6}$	0
cHl3	-0.0001296	-0.0001296	0	$1.103 \cdot 10^{-5}$	$1.103 \cdot 10^{-5}$	0
cHu	$-3.221 \cdot 10^{-5}$	$-3.221 \cdot 10^{-5}$	0	$3.539 \cdot 10^{-6}$	$3.539 \cdot 10^{-6}$	0
ceBIm	$-1.244 \cdot 10^{-26}$	$-2.085 \cdot 10^{-26}$	-0.6764	$2.916 \cdot 10^{-10}$	$2.916 \cdot 10^{-10}$	$-5.487 \cdot 10^{-7}$
ceBRe	$4.98 \cdot 10^{-10}$	$4.98 \cdot 10^{-10}$	$-2.812 \cdot 10^{-7}$	$4.022 \cdot 10^{-10}$	$4.022 \cdot 10^{-10}$	$-5.718 \cdot 10^{-7}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
ceHIm	$2.361 \cdot 10^{-30}$	$2.367 \cdot 10^{-30}$	-0.00232	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$-5.65 \cdot 10^{-7}$
ceHRe	$-2.054 \cdot 10^{-13}$	$-2.054 \cdot 10^{-13}$	$-2.921 \cdot 10^{-7}$	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$-5.812 \cdot 10^{-7}$
ceWIm	$-8.359 \cdot 10^{-27}$	$-8.822 \cdot 10^{-27}$	-0.05536	$5.116 \cdot 10^{-10}$	$5.116 \cdot 10^{-10}$	$-5.669 \cdot 10^{-7}$
ceWRe	$-4.409 \cdot 10^{-10}$	$-4.409 \cdot 10^{-10}$	$-2.722 \cdot 10^{-7}$	$6.058 \cdot 10^{-10}$	$6.058 \cdot 10^{-10}$	$-5.777 \cdot 10^{-7}$
ceu	-0.004152	-0.004152	0	0.02426	0.02426	0
cje	-0.003357	-0.003357	0	0.07997	0.07997	0
cleju1Im	$5.385 \cdot 10^{-28}$	$1.795 \cdot 10^{-28}$	0.6667	$3.266 \cdot 10^{-12}$	$3.266 \cdot 10^{-12}$	$-3.98 \cdot 10^{-7}$
cleju1Re	$6.557 \cdot 10^{-12}$	$6.557 \cdot 10^{-12}$	$-1.83 \cdot 10^{-7}$	$3.266 \cdot 10^{-12}$	$3.266 \cdot 10^{-12}$	$-3.98 \cdot 10^{-7}$
cleju3Im	$2.382 \cdot 10^{-28}$	$5.781 \cdot 10^{-29}$	0.7573	$1.226 \cdot 10^{-11}$	$1.226 \cdot 10^{-11}$	$-4.079 \cdot 10^{-7}$
cleju3Re	$-1.704 \cdot 10^{-11}$	$-1.704 \cdot 10^{-11}$	$-1.761 \cdot 10^{-7}$	$2.391 \cdot 10^{-11}$	$2.391 \cdot 10^{-11}$	$-3.764 \cdot 10^{-7}$
clj1	-0.0445	-0.0445	0	0.1914	0.1914	0
clj3	0.03436	0.03436	0	0.1478	0.1478	0
cll1	$9.658 \cdot 10^{-5}$	$9.658 \cdot 10^{-5}$	0	$5.696 \cdot 10^{-6}$	$5.696 \cdot 10^{-6}$	0
clu	-0.01512	-0.01512	0	0.1778	0.1778	0
cuBIm	$2.583 \cdot 10^{-23}$	$2.583 \cdot 10^{-23}$	$2.083 \cdot 10^{-5}$	$6.239 \cdot 10^{-8}$	$6.239 \cdot 10^{-8}$	$2.725 \cdot 10^{-7}$
cuBRe	$-2.054 \cdot 10^{-7}$	$-2.054 \cdot 10^{-7}$	$1.46 \cdot 10^{-7}$	$6.239 \cdot 10^{-8}$	$6.239 \cdot 10^{-8}$	$2.885 \cdot 10^{-7}$
cuHIm	$2.559 \cdot 10^{-30}$	$3.951 \cdot 10^{-30}$	-0.5437	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
cuHRe	$-2.058 \cdot 10^{-13}$	$-2.058 \cdot 10^{-13}$	$1.457 \cdot 10^{-7}$	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
cuWIm	$-2.002 \cdot 10^{-22}$	$-2.002 \cdot 10^{-22}$	$1.798 \cdot 10^{-6}$	$1.124 \cdot 10^{-7}$	$1.124 \cdot 10^{-7}$	$2.668 \cdot 10^{-7}$
cuWRe	$-9.35 \cdot 10^{-8}$	$-9.35 \cdot 10^{-8}$	$1.39 \cdot 10^{-7}$	$1.01 \cdot 10^{-7}$	$1.01 \cdot 10^{-7}$	$2.97 \cdot 10^{-7}$
sm	0	0	0	0.004899	0.004899	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHDD	-0.0008568	-0.0008568	0	$1.868 \cdot 10^{-5}$	$1.868 \cdot 10^{-5}$	0
cHWB	-0.00151	-0.00151	0	$7.269 \cdot 10^{-5}$	$7.269 \cdot 10^{-5}$	0
cHj3	0.001461	0.001461	0	$4.428 \cdot 10^{-5}$	$4.428 \cdot 10^{-5}$	0

	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cHl3	-0.002847	-0.002847	0	0.000162	0.000162	0
cHudIm	$4.271 \cdot 10^{-32}$	$1.73 \cdot 10^{-31}$	-3.052	$1.47 \cdot 10^{-18}$	$1.47 \cdot 10^{-18}$	$9.523 \cdot 10^{-7}$
cHudRe	$-4.004 \cdot 10^{-16}$	$-4.004 \cdot 10^{-16}$	$4.745 \cdot 10^{-7}$	$9.119 \cdot 10^{-17}$	$9.119 \cdot 10^{-17}$	$9.431 \cdot 10^{-7}$
cdWIm	$9.565 \cdot 10^{-26}$	$7.789 \cdot 10^{-27}$	0.9186	$4.478 \cdot 10^{-10}$	$4.478 \cdot 10^{-10}$	$6.253 \cdot 10^{-7}$
cdWRe	$-1.139 \cdot 10^{-9}$	$-1.139 \cdot 10^{-9}$	$2.633 \cdot 10^{-7}$	$1 \cdot 10^{-9}$	$1 \cdot 10^{-9}$	$6 \cdot 10^{-7}$
ceWIm	$5.875 \cdot 10^{-24}$	$1.176 \cdot 10^{-23}$	-1.002	$3.572 \cdot 10^{-7}$	$3.572 \cdot 10^{-7}$	$6.103 \cdot 10^{-6}$
ceWRe	$-1.11 \cdot 10^{-7}$	$-1.11 \cdot 10^{-7}$	$3.062 \cdot 10^{-6}$	$2.77 \cdot 10^{-7}$	$2.77 \cdot 10^{-7}$	$6.101 \cdot 10^{-6}$
cledjIm	$8.276 \cdot 10^{-16}$	$8.276 \cdot 10^{-16}$	$3.274 \cdot 10^{-6}$	$2.477 \cdot 10^{-12}$	$2.477 \cdot 10^{-12}$	$6.58 \cdot 10^{-6}$
cledjRe	$-4.974 \cdot 10^{-12}$	$-4.974 \cdot 10^{-12}$	$3.277 \cdot 10^{-6}$	$2.477 \cdot 10^{-12}$	$2.477 \cdot 10^{-12}$	$6.58 \cdot 10^{-6}$
cleju1Im	$-1.543 \cdot 10^{-13}$	$-1.543 \cdot 10^{-13}$	$3.24 \cdot 10^{-6}$	$4.619 \cdot 10^{-10}$	$4.619 \cdot 10^{-10}$	$6.495 \cdot 10^{-6}$
cleju1Re	$9.24 \cdot 10^{-10}$	$9.24 \cdot 10^{-10}$	$3.247 \cdot 10^{-6}$	$4.619 \cdot 10^{-10}$	$4.619 \cdot 10^{-10}$	$6.495 \cdot 10^{-6}$
cleju3Im	$-3.896 \cdot 10^{-13}$	$-3.896 \cdot 10^{-13}$	$3.259 \cdot 10^{-6}$	$2.824 \cdot 10^{-9}$	$2.824 \cdot 10^{-9}$	$6.48 \cdot 10^{-6}$
cleju3Re	$-2.203 \cdot 10^{-9}$	$-2.203 \cdot 10^{-9}$	$3.223 \cdot 10^{-6}$	$2.871 \cdot 10^{-9}$	$2.871 \cdot 10^{-9}$	$6.513 \cdot 10^{-6}$
clj3	0.08266	0.08266	0	0.3907	0.3907	0
cll1	0.002184	0.002184	0	$9.524 \cdot 10^{-5}$	$9.524 \cdot 10^{-5}$	0
cuWIm	$3.237 \cdot 10^{-23}$	$3.156 \cdot 10^{-23}$	0.02476	$7.05 \cdot 10^{-8}$	$7.05 \cdot 10^{-8}$	$2.695 \cdot 10^{-7}$
cuWRe	$-2.668 \cdot 10^{-7}$	$-2.668 \cdot 10^{-7}$	$1.499 \cdot 10^{-7}$	$8.351 \cdot 10^{-8}$	$8.351 \cdot 10^{-8}$	$2.754 \cdot 10^{-7}$
sm	0	0	0	0.009832	0.009832	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cHDD	-0.0004074	-0.0004074	0	$9.609 \cdot 10^{-6}$	$9.609 \cdot 10^{-6}$	0
cHWB	0.0001249	0.0001249	0	$3.545 \cdot 10^{-5}$	$3.545 \cdot 10^{-5}$	0
cHd	$-3.697 \cdot 10^{-5}$	$-3.697 \cdot 10^{-5}$	0	$8.084 \cdot 10^{-6}$	$8.084 \cdot 10^{-6}$	0
cHj1	-0.0002419	-0.0002419	0	$1.565 \cdot 10^{-6}$	$1.565 \cdot 10^{-6}$	0
cHj3	0.0007667	0.0007667	0	$4.925 \cdot 10^{-5}$	$4.925 \cdot 10^{-5}$	0
cHl3	-0.002313	-0.002313	0	0.0002178	0.0002178	0

cHu	$6.575 \cdot 10^{-5}$	$6.575 \cdot 10^{-5}$	0	$1.129 \cdot 10^{-5}$	$1.129 \cdot 10^{-5}$	0
cdBIm	$9.959 \cdot 10^{-29}$	$9.952 \cdot 10^{-29}$	0.0006326	$4.799 \cdot 10^{-13}$	$4.799 \cdot 10^{-13}$	$-1.188 \cdot 10^{-6}$
cdBRe	$1.129 \cdot 10^{-12}$	$1.129 \cdot 10^{-12}$	$-6.198 \cdot 10^{-7}$	$2.537 \cdot 10^{-12}$	$2.537 \cdot 10^{-12}$	$-1.183 \cdot 10^{-6}$
cdGIm	$2.428 \cdot 10^{-32}$	$6.393 \cdot 10^{-32}$	-1.633	$1.923 \cdot 10^{-11}$	$1.923 \cdot 10^{-11}$	$-1.196 \cdot 10^{-6}$
cdGRe	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-5.721 \cdot 10^{-7}$	$1.923 \cdot 10^{-11}$	$1.923 \cdot 10^{-11}$	$-1.196 \cdot 10^{-6}$
cdHIm	$-3.779 \cdot 10^{-32}$	$1.986 \cdot 10^{-32}$	1.526	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
cdHRe	$-1.192 \cdot 10^{-15}$	$-1.192 \cdot 10^{-15}$	$-5.871 \cdot 10^{-7}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
cdWIm	$1.114 \cdot 10^{-28}$	$1.112 \cdot 10^{-28}$	0.001205	$4.615 \cdot 10^{-12}$	$4.615 \cdot 10^{-12}$	$-1.17 \cdot 10^{-6}$
cdWRe	$-3.651 \cdot 10^{-12}$	$-3.651 \cdot 10^{-12}$	$-5.752 \cdot 10^{-7}$	$4.45 \cdot 10^{-12}$	$4.45 \cdot 10^{-12}$	$-1.168 \cdot 10^{-6}$
cjd1	-0.003016	-0.003016	0	0.2155	0.2155	0
cjd8	0.07567	0.07567	0	0.02554	0.02554	0
cjj11	-0.1787	-0.1787	0	1.748	1.748	0
cjj18	1.194	1.194	0	0.8062	0.8062	0
cjj31	0.1789	0.1789	0	1.75	1.75	0
cjj38	-0.0006727	-0.0006727	$1.486 \cdot 10^{-8}$	0.0004526	0.0004526	0
cju1	$6.569 \cdot 10^{-5}$	$6.569 \cdot 10^{-5}$	0	0.00227	0.00227	0
cju8	0.5722	0.5722	0	0.1931	0.1931	0
cjujd11Im	$-5.663 \cdot 10^{-31}$	$-4.938 \cdot 10^{-31}$	0.1279	$9.226 \cdot 10^{-15}$	$9.226 \cdot 10^{-15}$	$-5.961 \cdot 10^{-7}$
cjujd11Re	$-6.13 \cdot 10^{-15}$	$-6.13 \cdot 10^{-15}$	$-2.936 \cdot 10^{-7}$	$1.663 \cdot 10^{-14}$	$1.663 \cdot 10^{-14}$	$-6.012 \cdot 10^{-7}$
cjujd1Im	$6.886 \cdot 10^{-37}$	$-1.096 \cdot 10^{-32}$	$1.591 \cdot 10^{4}$	$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	$-6.269 \cdot 10^{-7}$
cjujd1Re	$-3.854 \cdot 10^{-14}$	$-3.854 \cdot 10^{-14}$	$-3.114 \cdot 10^{-7}$	$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	$-6.269 \cdot 10^{-7}$
cjujd81Im	$-4.669 \cdot 10^{-31}$	$-2.055 \cdot 10^{-31}$	0.5598	$4.888 \cdot 10^{-16}$	$4.888 \cdot 10^{-16}$	$-5.933 \cdot 10^{-7}$
cjujd81Re	$-7.664 \cdot 10^{-15}$	$-7.664 \cdot 10^{-15}$	$-3.001 \cdot 10^{-7}$	$6.783 \cdot 10^{-16}$	$6.783 \cdot 10^{-16}$	$-6.045 \cdot 10^{-7}$
cjujd8Im	$8.078 \cdot 10^{-32}$	$6.819 \cdot 10^{-32}$	0.1559	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-5.877 \cdot 10^{-7}$
cjujd8Re	$5.478 \cdot 10^{-17}$	$5.478 \cdot 10^{-17}$	$-2.921 \cdot 10^{-7}$	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-5.877 \cdot 10^{-7}$
cll1	0.001156	0.001156	0	$5.445 \cdot 10^{-5}$	$5.445 \cdot 10^{-5}$	0
cuBIm	$-5.411 \cdot 10^{-24}$	$1.357 \cdot 10^{-24}$	1.251	$5.206 \cdot 10^{-8}$	$5.206 \cdot 10^{-8}$	$2.689 \cdot 10^{-7}$
cuBRe	$1.65 \cdot 10^{-8}$	$1.65 \cdot 10^{-8}$	$1.818 \cdot 10^{-7}$	$5.206 \cdot 10^{-8}$	$5.206 \cdot 10^{-8}$	$2.881 \cdot 10^{-7}$
cuGIm	$-9.222 \cdot 10^{-25}$	$3.917 \cdot 10^{-24}$	5.247	$2.113 \cdot 10^{-6}$	$2.113 \cdot 10^{-6}$	$2.839 \cdot 10^{-7}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cuGRe	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$2.113 \cdot 10^{-6}$	$2.113 \cdot 10^{-6}$	$2.839 \cdot 10^{-7}$
cuHIm	$-3.456 \cdot 10^{-32}$	$-4.278 \cdot 10^{-32}$	-0.2378	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
cuHRe	$-1.192 \cdot 10^{-15}$	$-1.192 \cdot 10^{-15}$	$1.678 \cdot 10^{-7}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
cuWIm	$-6.146 \cdot 10^{-24}$	$4.188 \cdot 10^{-24}$	1.681	$2.302 \cdot 10^{-7}$	$2.302 \cdot 10^{-7}$	$2.606 \cdot 10^{-7}$
cuWRe	$-2.022 \cdot 10^{-7}$	$-2.022 \cdot 10^{-7}$	$1.484 \cdot 10^{-7}$	$3.422 \cdot 10^{-7}$	$3.422 \cdot 10^{-7}$	$2.923 \cdot 10^{-7}$
cud1	$-2.908 \cdot 10^{-5}$	$-2.908 \cdot 10^{-5}$	0	0.0005092	0.0005092	0
cud8	0.153	0.153	0	0.05164	0.05164	0
sm	0	0	0	0.5436	0.5436	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	$4.096 \cdot 10^{-6}$	$4.096 \cdot 10^{-6}$	0	$1.151 \cdot 10^{-7}$	$1.151 \cdot 10^{-7}$	0
cHWB	$-3.556 \cdot 10^{-5}$	$-3.556 \cdot 10^{-5}$	0	$2.01 \cdot 10^{-5}$	$2.01 \cdot 10^{-5}$	0
cHd	-0.0001057	-0.0001057	0	$4.844 \cdot 10^{-6}$	$4.844 \cdot 10^{-6}$	0
cHe	$-3.107 \cdot 10^{-5}$	$-3.107 \cdot 10^{-5}$	0	$3.252 \cdot 10^{-6}$	$3.252 \cdot 10^{-6}$	0
cHj1	$5.452 \cdot 10^{-5}$	$5.452 \cdot 10^{-5}$	0	$3.068 \cdot 10^{-6}$	$3.068 \cdot 10^{-6}$	0
cHj3	$4.831 \cdot 10^{-5}$	$4.831 \cdot 10^{-5}$	0	$4.084 \cdot 10^{-6}$	$4.084 \cdot 10^{-6}$	0
cHl1	0.0003781	0.0003781	0	$1.41 \cdot 10^{-5}$	$1.41 \cdot 10^{-5}$	0
cHl3	$-3.293 \cdot 10^{-5}$	$-3.293 \cdot 10^{-5}$	0	$3.198 \cdot 10^{-6}$	$3.198 \cdot 10^{-6}$	0
cdBIm	$-5.776 \cdot 10^{-27}$	$-5.776 \cdot 10^{-27}$	0	$2.003 \cdot 10^{-12}$	$2.003 \cdot 10^{-12}$	$-1.148 \cdot 10^{-6}$
cdBRe	$3.243 \cdot 10^{-13}$	$3.243 \cdot 10^{-13}$	$-5.859 \cdot 10^{-7}$	$1.816 \cdot 10^{-12}$	$1.816 \cdot 10^{-12}$	$-1.157 \cdot 10^{-6}$
cdHIm	$8.012 \cdot 10^{-40}$	$8.216 \cdot 10^{-40}$	-0.02547	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
cdHRe	$-6.507 \cdot 10^{-23}$	$-6.507 \cdot 10^{-23}$	$-5.84 \cdot 10^{-7}$	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
cdWIm	$-5.457 \cdot 10^{-28}$	$-5.457 \cdot 10^{-28}$	$6.231 \cdot 10^{-7}$	$6.334 \cdot 10^{-13}$	$6.334 \cdot 10^{-13}$	$-1.168 \cdot 10^{-6}$
cdWRe	$-7.726 \cdot 10^{-13}$	$-7.726 \cdot 10^{-13}$	$-5.954 \cdot 10^{-7}$	$1.201 \cdot 10^{-12}$	$1.201 \cdot 10^{-12}$	$-1.166 \cdot 10^{-6}$
ceBIm	$7.4 \cdot 10^{-31}$	$7.717 \cdot 10^{-31}$	-0.04286	$2.847 \cdot 10^{-15}$	$2.847 \cdot 10^{-15}$	$-3.231 \cdot 10^{-6}$
ceBRe	$1.708 \cdot 10^{-15}$	$1.708 \cdot 10^{-15}$	$-1.581 \cdot 10^{-6}$	$2.693 \cdot 10^{-15}$	$2.693 \cdot 10^{-15}$	$-3.194 \cdot 10^{-6}$

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
ceHIm	$2.534 \cdot 10^{-39}$	$1.218 \cdot 10^{-39}$	0.5195	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-3.216 \cdot 10^{-6}$
ceHRe	$-6.443 \cdot 10^{-23}$	$-6.443 \cdot 10^{-23}$	$-1.599 \cdot 10^{-6}$	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-3.216 \cdot 10^{-6}$
ceWIm	$1.216 \cdot 10^{-30}$	$1.002 \cdot 10^{-30}$	0.1762	$1.686 \cdot 10^{-14}$	$1.686 \cdot 10^{-14}$	$-3.203 \cdot 10^{-6}$
ceWRe	$-1.021 \cdot 10^{-14}$	$-1.021 \cdot 10^{-14}$	$-1.666 \cdot 10^{-6}$	$1.818 \cdot 10^{-14}$	$1.818 \cdot 10^{-14}$	$-3.245 \cdot 10^{-6}$
ced	0.001694	0.001694	0	0.01979	0.01979	0
cje	-0.0005508	-0.0005508	0	0.01263	0.01263	0
cld	0.008109	0.008109	0	0.1907	0.1907	0
cledjIm	$1.047 \cdot 10^{-38}$	$2.092 \cdot 10^{-38}$	-0.9978	$1.033 \cdot 10^{-21}$	$1.033 \cdot 10^{-21}$	$-4.453 \cdot 10^{-6}$
cledjRe	$-2.075 \cdot 10^{-21}$	$-2.075 \cdot 10^{-21}$	$-2.265 \cdot 10^{-6}$	$1.033 \cdot 10^{-21}$	$1.033 \cdot 10^{-21}$	$-4.453 \cdot 10^{-6}$
clj1	0.05991	0.05991	0	0.3154	0.3154	0
clj3	0.003531	0.003531	0	0.01859	0.01859	0
cll1	$2.448 \cdot 10^{-5}$	$2.448 \cdot 10^{-5}$	0	$1.948 \cdot 10^{-6}$	$1.948 \cdot 10^{-6}$	0
sm	0	0	0	0.000286	0.000286	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	-0.0008613	-0.0008613	0	$1.812 \cdot 10^{-5}$	$1.812 \cdot 10^{-5}$	0
cHWB	-0.001155	-0.001155	0	$4.237 \cdot 10^{-5}$	$4.237 \cdot 10^{-5}$	0
cHd	$-5.471 \cdot 10^{-5}$	$-5.471 \cdot 10^{-5}$	0	$1.059 \cdot 10^{-5}$	$1.059 \cdot 10^{-5}$	0
cHj1	0.0006187	0.0006187	0	$4.03 \cdot 10^{-5}$	$4.03 \cdot 10^{-5}$	0
cHj3	0.002702	0.002702	0	0.0001747	0.0001747	0
cHl3	$-2.687 \cdot 10^{-5}$	$-2.687 \cdot 10^{-5}$	0	$3.264 \cdot 10^{-6}$	$3.264 \cdot 10^{-6}$	0
cdBIm	$-2.358 \cdot 10^{-26}$	$6.602 \cdot 10^{-26}$	3.8	$3.081 \cdot 10^{-10}$	$3.081 \cdot 10^{-10}$	$6.167 \cdot 10^{-7}$
cdBRe	$-2.879 \cdot 10^{-10}$	$-2.879 \cdot 10^{-10}$	$3.127 \cdot 10^{-7}$	$1.842 \cdot 10^{-10}$	$1.842 \cdot 10^{-10}$	$6.514 \cdot 10^{-7}$
cdGIm	$8.757 \cdot 10^{-26}$	$2.236 \cdot 10^{-26}$	0.7447	$3.927 \cdot 10^{-9}$	$3.927 \cdot 10^{-9}$	$6.112 \cdot 10^{-7}$
cdGRe	$-5.56 \cdot 10^{-8}$	$-5.56 \cdot 10^{-8}$	$3.238 \cdot 10^{-7}$	$3.927 \cdot 10^{-9}$	$3.927 \cdot 10^{-9}$	$6.112 \cdot 10^{-7}$
cdHIm	$1.302 \cdot 10^{-34}$	$2.667 \cdot 10^{-34}$	-1.048	$3.893 \cdot 10^{-19}$	$3.893 \cdot 10^{-19}$	$-2.825 \cdot 10^{-7}$

	interference mod1	mod2	$1-\text{mod2}/\text{mod1}$	square mod1	mod2	$1-\text{mod2}/\text{mod1}$
cdHRe	$-1.289 \cdot 10^{-17}$	$-1.289 \cdot 10^{-17}$	$-1.552 \cdot 10^{-7}$	$7.787 \cdot 10^{-19}$	$7.787 \cdot 10^{-19}$	$-2.697 \cdot 10^{-7}$
cdWIm	$-1.078 \cdot 10^{-25}$	$-1.138 \cdot 10^{-25}$	-0.05484	$4.594 \cdot 10^{-10}$	$4.594 \cdot 10^{-10}$	$6.313 \cdot 10^{-7}$
cdWRe	$-2.004 \cdot 10^{-9}$	$-2.004 \cdot 10^{-9}$	$2.994 \cdot 10^{-7}$	$1.091 \cdot 10^{-9}$	$1.091 \cdot 10^{-9}$	$6.417 \cdot 10^{-7}$
cdd1	0.04933	0.04933	0	3.458	3.458	0
cdd8	0.8859	0.8859	0	0.5979	0.5979	0
cjd1	-0.0001288	-0.0001288	0	0.008856	0.008856	0
cjd8	0.836	0.836	0	0.2821	0.2821	0
cjj11	0.0181	0.0181	0	0.1653	0.1653	0
cjj18	0.2578	0.2578	0	0.174	0.174	0
cjj31	0.3787	0.3787	0	3.458	3.458	0
cjj38	1.221	1.221	0	0.8243	0.8243	0
cll1	$1.344 \cdot 10^{-5}$	$1.344 \cdot 10^{-5}$	0	$8.16 \cdot 10^{-7}$	$8.16 \cdot 10^{-7}$	0
sm	0	0	0	0.8588	0.8588	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	0.0001248	0.0001248	0	$2.159 \cdot 10^{-6}$	$2.159 \cdot 10^{-6}$	0
cHWB	0.006774	0.006774	0	0.001896	0.001896	0
cHe	-0.01593	-0.01593	0	0.001034	0.001034	0
cHl1	-0.001222	-0.001222	0	$5.765 \cdot 10^{-5}$	$5.765 \cdot 10^{-5}$	0
cHl3	0.0009539	0.0009539	0	$5.43 \cdot 10^{-5}$	$5.43 \cdot 10^{-5}$	0
ceBIm	$-2.364 \cdot 10^{-28}$	$-2.341 \cdot 10^{-28}$	0.009802	$1.171 \cdot 10^{-13}$	$1.171 \cdot 10^{-13}$	$-3.244 \cdot 10^{-6}$
ceBRe	$3.648 \cdot 10^{-14}$	$3.648 \cdot 10^{-14}$	$-1.59 \cdot 10^{-6}$	$1.699 \cdot 10^{-14}$	$1.699 \cdot 10^{-14}$	$-3.238 \cdot 10^{-6}$
ceWIm	$-4.217 \cdot 10^{-28}$	$-4.215 \cdot 10^{-28}$	0.0005626	$3.844 \cdot 10^{-13}$	$3.844 \cdot 10^{-13}$	$-3.2 \cdot 10^{-6}$
ceWRe	$3.013 \cdot 10^{-13}$	$3.013 \cdot 10^{-13}$	$-1.593 \cdot 10^{-6}$	$6.162 \cdot 10^{-13}$	$6.162 \cdot 10^{-13}$	$-3.213 \cdot 10^{-6}$
cle	-0.1295	-0.1295	0	1	1	0
cll	0.01543	0.01543	0	0.1695	0.1695	0

	interference				square		
cll1	-0.0002223	-0.0002223	0		$2.998 \cdot 10^{-6}$	$2.998 \cdot 10^{-6}$	0
sm	0	0	0		0.006156	0.006156	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0004156	-0.0004156	0	$9.06 \cdot 10^{-6}$	$9.06 \cdot 10^{-6}$	0
cHWB	-0.006763	-0.006763	0	0.0003255	0.0003255	0
cHl3	-0.002054	-0.002054	0	$5.458 \cdot 10^{-5}$	$5.458 \cdot 10^{-5}$	0
ceWIm	$1.291 \cdot 10^{-26}$	$2.584 \cdot 10^{-26}$	-1.001	$1.917 \cdot 10^{-9}$	$1.917 \cdot 10^{-9}$	$-5.737 \cdot 10^{-7}$
ceWRe	$-3.471 \cdot 10^{-10}$	$-3.471 \cdot 10^{-10}$	$-2.881 \cdot 10^{-7}$	$1.01 \cdot 10^{-9}$	$1.01 \cdot 10^{-9}$	$-4.949 \cdot 10^{-7}$
cll1	0.369	0.369	0	1.76	1.76	0
sm	0	0	0	0.004769	0.004769	0

1.65 $e^+ \nu_e \to e^+ \nu_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.02381	-0.02381	0	0.0008107	0.0008107	0
cHWB	-0.001131	-0.001131	0	0.001068	0.001068	0
cHe	-0.02912	-0.02912	0	0.00189	0.00189	0
cHl1	-0.0006644	-0.0006644	0	$2.7 \cdot 10^{-5}$	$2.7 \cdot 10^{-5}$	0
cHl3	-0.1934	-0.1934	0	0.08871	0.08871	0
ceBIm	$6.066 \cdot 10^{-27}$	$6.067 \cdot 10^{-27}$	-0.0001285	$5.849 \cdot 10^{-14}$	$5.849 \cdot 10^{-14}$	$-3.214 \cdot 10^{-6}$
ceBRe	$1.419 \cdot 10^{-12}$	$1.419 \cdot 10^{-12}$	$-1.621 \cdot 10^{-6}$	$1.812 \cdot 10^{-12}$	$1.812 \cdot 10^{-12}$	$-3.2 \cdot 10^{-6}$
ceWIm	$1.063 \cdot 10^{-26}$	$1.064 \cdot 10^{-26}$	-0.0005531	$1.081 \cdot 10^{-15}$	$1.081 \cdot 10^{-15}$	$-3.238 \cdot 10^{-6}$
ceWRe	$1.474 \cdot 10^{-14}$	$1.474 \cdot 10^{-14}$	$-1.628 \cdot 10^{-6}$	$3.393 \cdot 10^{-13}$	$3.393 \cdot 10^{-13}$	$-3.212 \cdot 10^{-6}$
cle	-3.655	-3.655	0	1	1	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cll	23.62	23.62	0	3.965	3.965	0
cll1	9.845	9.845	0	5.031	5.031	0
sm	0	0	0	0.3299	0.3299	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.0003157	0.0003157	0	$6.857 \cdot 10^{-6}$	$6.857 \cdot 10^{-6}$	0
cHWB	-0.0004461	-0.0004461	0	$3.551 \cdot 10^{-5}$	$3.551 \cdot 10^{-5}$	0
cHe	0.001331	0.001331	0	$4.647 \cdot 10^{-5}$	$4.647 \cdot 10^{-5}$	0
cHl1	-0.001673	-0.001673	0	0.0001034	0.0001034	0
cHl3	-0.002281	-0.002281	0	0.0003558	0.0003558	0
ceBIm	$1.956 \cdot 10^{-16}$	$1.956 \cdot 10^{-16}$	$3.067 \cdot 10^{-6}$	$1.253 \cdot 10^{-6}$	$1.253 \cdot 10^{-6}$	$6.145 \cdot 10^{-6}$
ceBRe	$8.039 \cdot 10^{-7}$	$8.039 \cdot 10^{-7}$	$3.048 \cdot 10^{-6}$	$3.113 \cdot 10^{-7}$	$3.113 \cdot 10^{-7}$	$6.103 \cdot 10^{-6}$
ceHIm	$-8.01 \cdot 10^{-28}$	$-8.01 \cdot 10^{-28}$	$8.739 \cdot 10^{-8}$	$1.594 \cdot 10^{-18}$	$1.594 \cdot 10^{-18}$	$1.443 \cdot 10^{-6}$
ceHRe	$-5.42 \cdot 10^{-17}$	$-5.42 \cdot 10^{-17}$	$7.195 \cdot 10^{-7}$	$3.19 \cdot 10^{-18}$	$3.19 \cdot 10^{-18}$	$1.442 \cdot 10^{-6}$
ceWIm	$3.754 \cdot 10^{-16}$	$3.754 \cdot 10^{-16}$	$3.063 \cdot 10^{-6}$	$8.143 \cdot 10^{-7}$	$8.143 \cdot 10^{-7}$	$6.103 \cdot 10^{-6}$
ceWRe	$-4.726 \cdot 10^{-7}$	$-4.726 \cdot 10^{-7}$	$3.047 \cdot 10^{-6}$	$2.416 \cdot 10^{-7}$	$2.416 \cdot 10^{-7}$	$6.126 \cdot 10^{-6}$
cee	-0.003952	-0.003952	0	0.02831	0.02831	0
cle	-0.742	-0.742	0	2	2	0
cll	-0.003015	-0.003015	0	0.02047	0.02047	0
cll1	-0.658	-0.658	0	1.653	1.653	0
sm	0	0	0	0.02429	0.02429	0

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

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

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0001151	-0.0001151	0	$5.335 \cdot 10^{-6}$	$5.335 \cdot 10^{-6}$	0
cHWB	-0.000409	-0.000409	0	0.0001987	0.0001987	0
cHe	0.0001166	0.0001166	0	$2.419 \cdot 10^{-5}$	$2.419 \cdot 10^{-5}$	0
cHl1	-0.0004579	-0.0004579	0	$2.24 \cdot 10^{-5}$	$2.24 \cdot 10^{-5}$	0
cHl3	-0.0001208	-0.0001208	0	$2.404 \cdot 10^{-5}$	$2.404 \cdot 10^{-5}$	0
ceBIm	$-1.671 \cdot 10^{-27}$	$-2.687 \cdot 10^{-27}$	-0.6079	$2.708 \cdot 10^{-9}$	$2.708 \cdot 10^{-9}$	$-5.538 \cdot 10^{-7}$
ceBRe	$4.281 \cdot 10^{-9}$	$4.281 \cdot 10^{-9}$	$-2.803 \cdot 10^{-7}$	$3.364 \cdot 10^{-9}$	$3.364 \cdot 10^{-9}$	$-5.647 \cdot 10^{-7}$
ceHIm	$2.307 \cdot 10^{-36}$	$1.721 \cdot 10^{-37}$	0.9254	$6.017 \cdot 10^{-21}$	$6.017 \cdot 10^{-21}$	$-1.895 \cdot 10^{-6}$
ceHRe	$-1.974 \cdot 10^{-19}$	$-1.974 \cdot 10^{-19}$	$-9.12 \cdot 10^{-7}$	$1.203 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	$-1.911 \cdot 10^{-6}$
ceWIm	$1.068 \cdot 10^{-26}$	$8.593 \cdot 10^{-27}$	0.1951	$1.791 \cdot 10^{-9}$	$1.791 \cdot 10^{-9}$	$-5.583 \cdot 10^{-7}$
ceWRe	$-2.683 \cdot 10^{-9}$	$-2.683 \cdot 10^{-9}$	$-2.609 \cdot 10^{-7}$	$2.255 \cdot 10^{-9}$	$2.255 \cdot 10^{-9}$	$-5.765 \cdot 10^{-7}$
cee	0.07834	0.07834	0	0.6101	0.6101	0
cle	0.07185	0.07185	0	0.5632	0.5632	0
cll	0.07814	0.07814	0	0.5683	0.5683	0
cll1	0.1213	0.1213	0	0.8885	0.8885	0
sm	0	0	0	0.01065	0.01065	0

1.68 $e^+e^- \to e^+e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.4964	-0.4964	0	0.02126	0.02126	0
cHWB	-0.0005148	-0.0005148	0	$5.12 \cdot 10^{-6}$	$5.12 \cdot 10^{-6}$	0
cHe	0.002416	0.002416	0	$8.317 \cdot 10^{-5}$	$8.317 \cdot 10^{-5}$	0
cHl1	0.01017	0.01017	0	0.002976	0.002976	0
cHl3	-0.005827	-0.005827	0	0.0008487	0.0008487	0
ceBIm	$3.123 \cdot 10^{-28}$	$3.089 \cdot 10^{-28}$	0.01081	$6.505 \cdot 10^{-13}$	$6.505 \cdot 10^{-13}$	$-3.213 \cdot 10^{-6}$
ceBRe	$4.298 \cdot 10^{-13}$	$4.298 \cdot 10^{-13}$	$-1.605 \cdot 10^{-6}$	$1.458 \cdot 10^{-13}$	$1.458 \cdot 10^{-13}$	$-3.154 \cdot 10^{-6}$
ceHIm	$1.486 \cdot 10^{-30}$	$-1.639 \cdot 10^{-31}$	1.11	$5.441 \cdot 10^{-25}$	$5.441 \cdot 10^{-25}$	$-3.216 \cdot 10^{-6}$
ceHRe	$1.342 \cdot 10^{-13}$	$1.342 \cdot 10^{-13}$	$-1.639 \cdot 10^{-6}$	$8.18 \cdot 10^{-25}$	$8.18 \cdot 10^{-25}$	$-3.215 \cdot 10^{-6}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
ceWIm	$-7.241 \cdot 10^{-28}$	$-7.264 \cdot 10^{-28}$	-0.003153	$4.26 \cdot 10^{-13}$	$4.26 \cdot 10^{-13}$	$-3.216 \cdot 10^{-6}$
ceWRe	$-2.5 \cdot 10^{-13}$	$-2.5 \cdot 10^{-13}$	$-1.6 \cdot 10^{-6}$	$2.937 \cdot 10^{-13}$	$2.937 \cdot 10^{-13}$	$-3.201 \cdot 10^{-6}$
cee	-0.005497	-0.005497	0	0.4413	0.4413	0
cle	-1.228	-1.228	0	2.089	2.089	0
cll	-0.000171	-0.000171	0	0.04743	0.04743	0
cll1	-2.518	-2.518	0	9.816	9.816	0
sm	0	0	0	79.23	79.23	0

1.69 $gg \to gg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$5.051 \cdot 10^{-10}$	$5.051 \cdot 10^{-10}$	$-1.802 \cdot 10^{-6}$	96.9	96.9	0
cGtil	$-2.494 \cdot 10^{-15}$	$-2.562 \cdot 10^{-15}$	-0.02715	96.9	96.9	0
cHGtil	$1.888 \cdot 10^{-16}$	$1.888 \cdot 10^{-16}$	0	$7.789 \cdot 10^{-33}$	$7.789 \cdot 10^{-33}$	0
sm	0	0	0	61.57	61.57	0

1.70 $gg \to ggg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	0.01011	0.01011	0	0.3911	0.3911	0
cGtil	0.0008785	0.0008785	0	0.3911	0.3911	0
cHGtil	$3.524 \cdot 10^{-14}$	$3.524 \cdot 10^{-14}$	0	$2.985 \cdot 10^{-26}$	$2.985 \cdot 10^{-26}$	0
sm	0	0	0	0.1082	0.1082	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cG	-0.6286	-0.6286	0	0.6954	0.6954	0
cGtil	$-7.085 \cdot 10^{-17}$	$-7.085 \cdot 10^{-17}$	0	0.6954	0.6954	0
cHG	-0.05169	-0.05169	0	0.04069	0.04069	0
cHGtil	$-4.127 \cdot 10^{-18}$	$-4.127 \cdot 10^{-18}$	0	0.04069	0.04069	0
ctGIm	$2.699 \cdot 10^{-17}$	$2.699 \cdot 10^{-17}$	0	0.08982	0.08982	0
ctGRe	-0.1835	-0.1835	0	0.09269	0.09269	0
sm	0	0	0	0.6354	0.6354	0

1.72 $\quad gg \to u\bar{u}$

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cG	$-1.265 \cdot 10^{-10}$	$-1.265 \cdot 10^{-10}$	0	0.5601	0.5601	0
cGtil	$-1.095 \cdot 10^{-17}$	$-1.095 \cdot 10^{-17}$	0	0.5601	0.5601	0
cHG	$-4.205 \cdot 10^{-11}$	$-4.205 \cdot 10^{-11}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0
cHGtil	$-1.41 \cdot 10^{-27}$	$-1.41 \cdot 10^{-27}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0
cuGIm	$\color{blue}{-2.137 \cdot 10^{-25}}$	$\color{blue}{-1.5 \cdot 10^{-26}}$	$\color{blue}{0.9298}$	$1.721 \cdot 10^{-11}$	$1.721 \cdot 10^{-11}$	$-1.452 \cdot 10^{-6}$
cuGRe	$-3.398 \cdot 10^{-9}$	$-3.398 \cdot 10^{-9}$	$-7.358 \cdot 10^{-7}$	$1.721 \cdot 10^{-11}$	$1.721 \cdot 10^{-11}$	$-1.452 \cdot 10^{-6}$
sm	0	0	0	7.722	7.722	0

1.73 $\quad s\bar{s} \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cHDD	-0.0003344	-0.0003344	0	$6.413 \cdot 10^{-6}$	$6.413 \cdot 10^{-6}$	0
cHWB	-0.0001285	-0.0001285	0	$3.506 \cdot 10^{-6}$	$3.506 \cdot 10^{-6}$	0
cHd	$-2.522 \cdot 10^{-5}$	$-2.522 \cdot 10^{-5}$	0	$4.909 \cdot 10^{-6}$	$4.909 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHj1	0.0006421	0.0006421	0	$2.305 \cdot 10^{-5}$	$2.305 \cdot 10^{-5}$	0
cHj3	0.000504	0.000504	0	$1.81 \cdot 10^{-5}$	$1.81 \cdot 10^{-5}$	0
cHl1	$-2.033 \cdot 10^{-5}$	$-2.033 \cdot 10^{-5}$	0	$6.163 \cdot 10^{-7}$	$6.163 \cdot 10^{-7}$	0
cHl3	-0.0004847	-0.0004847	0	$2.27 \cdot 10^{-5}$	$2.27 \cdot 10^{-5}$	0
cdBIm	$4.782 \cdot 10^{-27}$	$4.782 \cdot 10^{-27}$	$-4.58 \cdot 10^{-6}$	$6.108 \cdot 10^{-12}$	$6.108 \cdot 10^{-12}$	$6.221 \cdot 10^{-7}$
cdBRe	$-2.031 \cdot 10^{-10}$	$-2.031 \cdot 10^{-10}$	$2.954 \cdot 10^{-7}$	$1.878 \cdot 10^{-10}$	$1.878 \cdot 10^{-10}$	$5.858 \cdot 10^{-7}$
cdWIm	$5.63 \cdot 10^{-26}$	$5.629 \cdot 10^{-26}$	$1.245 \cdot 10^{-5}$	$2.628 \cdot 10^{-10}$	$2.628 \cdot 10^{-10}$	$6.47 \cdot 10^{-7}$
cdWRe	$-3.68 \cdot 10^{-10}$	$-3.68 \cdot 10^{-10}$	$2.989 \cdot 10^{-7}$	$6.162 \cdot 10^{-10}$	$6.162 \cdot 10^{-10}$	$6.329 \cdot 10^{-7}$
cld	0.0008295	0.0008295	0	0.01926	0.01926	0
clj1	-0.0229	-0.0229	0	0.09804	0.09804	0
clj3	0.04682	0.04682	0	0.2005	0.2005	0
cll1	0.0004019	0.0004019	0	$1.544 \cdot 10^{-5}$	$1.544 \cdot 10^{-5}$	0
sm	0	0	0	0.00436	0.00436	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	0.0004913	0.0004913	0	$1.398 \cdot 10^{-6}$	$1.398 \cdot 10^{-6}$	0
cHWB	0.006757	0.006757	0	0.0001244	0.0001244	0
cHd	0.01457	0.01457	0	0.002042	0.002042	0
cHj1	-0.06685	-0.06685	0	0.00205	0.00205	0
cHj3	-0.09373	-0.09373	0	0.01028	0.01028	0
cHl3	0.03068	0.03068	0	0.0005617	0.0005617	0
cdBIm	$-2.098 \cdot 10^{-24}$	$-3.499 \cdot 10^{-24}$	-0.6673	$9.828 \cdot 10^{-9}$	$9.828 \cdot 10^{-9}$	$6.309 \cdot 10^{-7}$
cdBRe	$2.85 \cdot 10^{-9}$	$2.85 \cdot 10^{-9}$	$3.157 \cdot 10^{-7}$	$3.313 \cdot 10^{-9}$	$3.313 \cdot 10^{-9}$	$6.34 \cdot 10^{-7}$
cdGIm	$6.264 \cdot 10^{-24}$	$9.303 \cdot 10^{-25}$	0.8515	$1.145 \cdot 10^{-7}$	$1.145 \cdot 10^{-7}$	$6.113 \cdot 10^{-7}$
cdGRe	$-2.223 \cdot 10^{-7}$	$-2.223 \cdot 10^{-7}$	$3.149 \cdot 10^{-7}$	$1.145 \cdot 10^{-7}$	$1.145 \cdot 10^{-7}$	$6.113 \cdot 10^{-7}$
cdHIm	$-3.215 \cdot 10^{-25}$	$-1.039 \cdot 10^{-24}$	-2.232	$3.991 \cdot 10^{-16}$	$3.991 \cdot 10^{-16}$	$6.264 \cdot 10^{-7}$

		interference			square	
cdHRe	$4.727 \cdot 10^{-8}$	$4.727 \cdot 10^{-8}$	$3.173 \cdot 10^{-7}$	$6.953 \cdot 10^{-16}$	$6.953 \cdot 10^{-16}$	$6.328 \cdot 10^{-7}$
cdWIm	$-4.948 \cdot 10^{-23}$	$-5.199 \cdot 10^{-23}$	-0.05082	$1.12 \cdot 10^{-7}$	$1.12 \cdot 10^{-7}$	$6.249 \cdot 10^{-7}$
cdWRe	$-9.838 \cdot 10^{-9}$	$-9.838 \cdot 10^{-9}$	$3.151 \cdot 10^{-7}$	$1.952 \cdot 10^{-8}$	$1.952 \cdot 10^{-8}$	$6.149 \cdot 10^{-7}$
cdd1	-0.02561	-0.02561	0	0.4122	0.4122	0
cdd8	-0.1478	-0.1478	$-1.353 \cdot 10^{-7}$	0.2385	0.2385	$-2.096 \cdot 10^{-7}$
cjd1	0.2095	0.2095	0	2.025	2.025	0
cjd8	-0.08431	-0.08431	0	0.8701	0.8701	0
cjj11	$-2.777 \cdot 10^{-5}$	$-2.777 \cdot 10^{-5}$	0	0.004856	0.004856	0
cjj18	-2.226	-2.226	0	0.7146	0.7146	$-1.399 \cdot 10^{-8}$
cjj31	-0.02996	-0.02996	0	0.4122	0.4122	0
cjj38	-0.008475	-0.008475	$-1.062 \cdot 10^{-7}$	0.0414	0.0414	$-2.174 \cdot 10^{-7}$
cll1	-0.01534	-0.01534	0	0.0001404	0.0001404	0
sm	0	0	0	2.254	2.254	0

1.75 $\quad t\bar{t} \to \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	-0.0001085	-0.0001085	0	$2.932 \cdot 10^{-6}$	$2.932 \cdot 10^{-6}$	0
cHQ1	$2.037 \cdot 10^{-6}$	$2.037 \cdot 10^{-6}$	0	$2.267 \cdot 10^{-7}$	$2.267 \cdot 10^{-7}$	0
cHQ3	$-2.223 \cdot 10^{-6}$	$-2.223 \cdot 10^{-6}$	0	$2.185 \cdot 10^{-7}$	$2.185 \cdot 10^{-7}$	0
cHWB	-0.0004732	-0.0004732	0	$2.373 \cdot 10^{-5}$	$2.373 \cdot 10^{-5}$	0
cHl1	$-6.311 \cdot 10^{-5}$	$-6.311 \cdot 10^{-5}$	0	$1.913 \cdot 10^{-6}$	$1.913 \cdot 10^{-6}$	0
cHl3	0.000116	0.000116	0	$8.81 \cdot 10^{-6}$	$8.81 \cdot 10^{-6}$	0
cHt	$2.561 \cdot 10^{-5}$	$2.561 \cdot 10^{-5}$	0	$4.04 \cdot 10^{-6}$	$4.04 \cdot 10^{-6}$	0
cQl1	0.05561	0.05561	0	0.2965	0.2965	0
cQl3	0.009802	0.009802	0	0.05596	0.05596	0
cll1	$-2.866 \cdot 10^{-5}$	$-2.866 \cdot 10^{-5}$	0	$8.887 \cdot 10^{-7}$	$8.887 \cdot 10^{-7}$	0
ctBIm	$-2.239 \cdot 10^{-19}$	$-2.239 \cdot 10^{-19}$	0	0.0002765	0.0002765	0

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
ctBRe	0.0008159	0.0008159	0	0.000657	0.000657	0
ctWIm	$-1.151 \cdot 10^{-18}$	$-1.151 \cdot 10^{-18}$	0	0.0005207	0.0005207	0
ctWRe	-0.001066	-0.001066	0	0.002463	0.002463	0
ctl	-0.009147	-0.009147	0	0.1282	0.1282	0
sm	0	0	0	0.001167	0.001167	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	$-2.397 \cdot 10^{-5}$	$-2.397 \cdot 10^{-5}$	0	$8.277 \cdot 10^{-7}$	$8.277 \cdot 10^{-7}$	0
cHQ1	$4.6 \cdot 10^{-5}$	$4.6 \cdot 10^{-5}$	0	$4.53 \cdot 10^{-6}$	$4.53 \cdot 10^{-6}$	0
cHQ3	$2.835 \cdot 10^{-5}$	$2.835 \cdot 10^{-5}$	0	$3.137 \cdot 10^{-6}$	$3.137 \cdot 10^{-6}$	0
cHWB	-0.0002032	-0.0002032	0	$2.504 \cdot 10^{-5}$	$2.504 \cdot 10^{-5}$	0
cHe	$7.636 \cdot 10^{-5}$	$7.636 \cdot 10^{-5}$	0	$9.394 \cdot 10^{-6}$	$9.394 \cdot 10^{-6}$	0
cHl1	0.0003335	0.0003335	0	$8.129 \cdot 10^{-6}$	$8.129 \cdot 10^{-6}$	0
cHl3	$-1.089 \cdot 10^{-5}$	$-1.089 \cdot 10^{-5}$	0	$1.291 \cdot 10^{-6}$	$1.291 \cdot 10^{-6}$	0
cHt	$-4.434 \cdot 10^{-5}$	$-4.434 \cdot 10^{-5}$	0	$3.829 \cdot 10^{-6}$	$3.829 \cdot 10^{-6}$	0
cQe	-0.004052	-0.004052	0	0.05594	0.05594	0
cQl1	-0.03065	-0.03065	0	0.1282	0.1282	0
cQl3	0.01332	0.01332	0	0.05366	0.05366	0
ceBIm	$1.929 \cdot 10^{-22}$	$1.942 \cdot 10^{-22}$	-0.00642	$1.312 \cdot 10^{-7}$	$1.312 \cdot 10^{-7}$	$6.096 \cdot 10^{-6}$
ceBRe	$3.226 \cdot 10^{-7}$	$3.226 \cdot 10^{-7}$	$3.038 \cdot 10^{-6}$	$1.233 \cdot 10^{-7}$	$1.233 \cdot 10^{-7}$	$6.084 \cdot 10^{-6}$
ceHIm	$4.053 \cdot 10^{-23}$	$6.406 \cdot 10^{-23}$	-0.5805	$3.052 \cdot 10^{-8}$	$3.052 \cdot 10^{-8}$	$6.095 \cdot 10^{-6}$
ceHRe	$-1.011 \cdot 10^{-6}$	$-1.011 \cdot 10^{-6}$	$3.066 \cdot 10^{-6}$	$3.052 \cdot 10^{-8}$	$3.052 \cdot 10^{-8}$	$6.095 \cdot 10^{-6}$
ceWIm	$4.319 \cdot 10^{-22}$	$4.346 \cdot 10^{-22}$	-0.00626	$2.24 \cdot 10^{-7}$	$2.24 \cdot 10^{-7}$	$6.072 \cdot 10^{-6}$
ceWRe	$-6.68 \cdot 10^{-7}$	$-6.679 \cdot 10^{-7}$	$3.054 \cdot 10^{-6}$	$6.863 \cdot 10^{-8}$	$6.863 \cdot 10^{-8}$	$6.106 \cdot 10^{-6}$
cleQt1Im	$1.564 \cdot 10^{-23}$	$1.521 \cdot 10^{-21}$	-96.23	$1.738 \cdot 10^{-5}$	$1.738 \cdot 10^{-5}$	$6.1 \cdot 10^{-6}$
cleQt1Re	$3.416 \cdot 10^{-5}$	$3.416 \cdot 10^{-5}$	$3.044 \cdot 10^{-6}$	$1.738 \cdot 10^{-5}$	$1.738 \cdot 10^{-5}$	$6.1 \cdot 10^{-6}$
cleQt3Im	$-1.157 \cdot 10^{-20}$	$-8.557 \cdot 10^{-21}$	0.2602	0.0002094	0.0002094	$6.113 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cleQt3Re	0.0001198	0.0001198	$3.004 \cdot 10^{-6}$	0.0002091	0.0002091	$6.074 \cdot 10^{-6}$
cll1	$-2.452 \cdot 10^{-5}$	$-2.452 \cdot 10^{-5}$	0	$6.35 \cdot 10^{-7}$	$6.35 \cdot 10^{-7}$	0
ctBIm	$-7.299 \cdot 10^{-19}$	$-7.299 \cdot 10^{-19}$	0	0.0008011	0.0008011	0
ctBRe	-0.00303	-0.00303	0	0.003702	0.003702	0
ctHIm	$1.103 \cdot 10^{-23}$	$1.103 \cdot 10^{-23}$	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	$3.469 \cdot 10^{-19}$	$3.469 \cdot 10^{-19}$	0	0.001883	0.001883	0
ctWRe	-0.001781	-0.001781	0	0.002246	0.002246	0
cte	-0.01072	-0.01072	0	0.0602	0.0602	0
ctl	-0.01352	-0.01352	0	0.1317	0.1317	0
sm	0	0	0	0.001286	0.001286	0

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

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cHDD	$5.333 \cdot 10^{-6}$	$5.333 \cdot 10^{-6}$	0	$1.002 \cdot 10^{-7}$	$1.002 \cdot 10^{-7}$	0
cHQ1	-0.00115	-0.00115	0	$3.055 \cdot 10^{-5}$	$3.055 \cdot 10^{-5}$	0
cHQ3	0.0001534	0.0001534	0	$7.813 \cdot 10^{-6}$	$7.813 \cdot 10^{-6}$	0
cHWB	-0.0002214	-0.0002214	0	$2.251 \cdot 10^{-5}$	$2.251 \cdot 10^{-5}$	0
cHj1	-0.0001453	-0.0001453	0	$6.914 \cdot 10^{-6}$	$6.914 \cdot 10^{-6}$	0
cHj3	0.000711	0.000711	0	$1.886 \cdot 10^{-5}$	$1.886 \cdot 10^{-5}$	0
cHl3	-0.003346	-0.003346	0	0.0003141	0.0003141	0
cHt	-0.0001889	-0.0001889	0	$3.219 \cdot 10^{-5}$	$3.219 \cdot 10^{-5}$	0
cHu	0.000144	0.000144	0	$5.52 \cdot 10^{-6}$	$5.52 \cdot 10^{-6}$	0
cQj11	0.01335	0.01335	0	0.0573	0.0573	0
cQj18	0.1169	0.1169	0	0.03283	0.03283	0
cQj31	0.003125	0.003125	0	0.01049	0.01049	0
cQj38	0.3992	0.3992	0	0.1281	0.1281	0

cQu1	0.005459	0.005459	0	0.07326	0.07326	0
cQu8	0.294	0.294	0	0.09259	0.09259	0
cjQtu1Im	$7.092 \cdot 10^{-22}$	$-9.494 \cdot 10^{-22}$	2.339	0.0001065	0.0001065	$2.817 \cdot 10^{-7}$
cjQtu1Re	$4.043 \cdot 10^{-5}$	$4.043 \cdot 10^{-5}$	$1.484 \cdot 10^{-7}$	0.0001065	0.0001065	$2.817 \cdot 10^{-7}$
cjQtu8Im	$1.284 \cdot 10^{-21}$	$-1.373 \cdot 10^{-22}$	1.107	$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.957 \cdot 10^{-7}$
cjQtu8Re	$4.591 \cdot 10^{-5}$	$4.591 \cdot 10^{-5}$	$1.525 \cdot 10^{-7}$	$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.535 \cdot 10^{-7}$
cll1	0.001673	0.001673	0	$7.854 \cdot 10^{-5}$	$7.854 \cdot 10^{-5}$	0
ctBIm	$-5.292 \cdot 10^{-18}$	$-5.292 \cdot 10^{-18}$	$4.44 \cdot 10^{-6}$	0.002985	0.002985	0
ctBRe	-0.003934	-0.003934	0	0.003459	0.003459	0
ctGIm	$1.78 \cdot 10^{-23}$	$1.191 \cdot 10^{-23}$	0.331	0.02228	0.02228	0
ctGRe	-0.1986	-0.1986	0	0.01231	0.01231	0
ctHIm	$-5.496 \cdot 10^{-23}$	$-6.222 \cdot 10^{-23}$	-0.1321	$5.351 \cdot 10^{-8}$	$5.351 \cdot 10^{-8}$	0
ctHRe	$-1.567 \cdot 10^{-6}$	$-1.567 \cdot 10^{-6}$	0	$4.749 \cdot 10^{-8}$	$4.749 \cdot 10^{-8}$	0
ctWIm	$-1.773 \cdot 10^{-17}$	$-1.773 \cdot 10^{-17}$	$9.59 \cdot 10^{-7}$	0.005628	0.005628	0
ctWRe	-0.001486	-0.001486	0	0.001989	0.001989	0
ctj1	0.01818	0.01818	0	0.4167	0.4167	0
ctj8	0.6542	0.6542	0	0.2142	0.2142	0
ctu1	0.03106	0.03106	0	0.2648	0.2648	0
ctu8	0.1169	0.1169	0	0.03283	0.03283	0
cuBIm	$1.45 \cdot 10^{-21}$	$1.392 \cdot 10^{-21}$	0.04025	$1.417 \cdot 10^{-7}$	$1.417 \cdot 10^{-7}$	$2.822 \cdot 10^{-7}$
cuBRe	$4.071 \cdot 10^{-7}$	$4.071 \cdot 10^{-7}$	$1.474 \cdot 10^{-7}$	$1.417 \cdot 10^{-7}$	$1.417 \cdot 10^{-7}$	$2.822 \cdot 10^{-7}$
cuGIm	$4.802 \cdot 10^{-23}$	$2.984 \cdot 10^{-23}$	0.3785	$1.746 \cdot 10^{-6}$	$1.746 \cdot 10^{-6}$	$2.864 \cdot 10^{-7}$
cuGRe	$-1.159 \cdot 10^{-5}$	$-1.159 \cdot 10^{-5}$	$8.631 \cdot 10^{-8}$	$1.746 \cdot 10^{-6}$	$1.746 \cdot 10^{-6}$	$2.864 \cdot 10^{-7}$
cuHIm	$-5.51 \cdot 10^{-25}$	$-2.752 \cdot 10^{-25}$	0.5004	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
cuHRe	$-1.543 \cdot 10^{-6}$	$-1.543 \cdot 10^{-6}$	$1.945 \cdot 10^{-7}$	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
cuWIm	$2.163 \cdot 10^{-21}$	$2.166 \cdot 10^{-21}$	-0.001249	$7.627 \cdot 10^{-8}$	$7.627 \cdot 10^{-8}$	$2.753 \cdot 10^{-7}$
cuWRe	$-8.935 \cdot 10^{-7}$	$-8.935 \cdot 10^{-7}$	$1.343 \cdot 10^{-7}$	$2.614 \cdot 10^{-7}$	$2.614 \cdot 10^{-7}$	$3.061 \cdot 10^{-7}$
sm	0	0	0	1.001	1.001	0

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

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
cHDD	$-5.498 \cdot 10^{-5}$	$-5.498 \cdot 10^{-5}$	0	$1.548 \cdot 10^{-6}$	$1.548 \cdot 10^{-6}$	0
cHQ1	-0.0001957	-0.0001957	0	$8.045 \cdot 10^{-6}$	$8.045 \cdot 10^{-6}$	0
cHQ3	0.0002237	0.0002237	0	$8.942 \cdot 10^{-6}$	$8.942 \cdot 10^{-6}$	0
cHWB	-0.0019	-0.0019	0	0.000115	0.000115	0
cHd	$-9.714 \cdot 10^{-5}$	$-9.714 \cdot 10^{-5}$	0	$5.104 \cdot 10^{-6}$	$5.104 \cdot 10^{-6}$	0
cHj1	0.0002036	0.0002036	0	$7.257 \cdot 10^{-6}$	$7.257 \cdot 10^{-6}$	0
cHj3	0.0004463	0.0004463	0	$1.308 \cdot 10^{-5}$	$1.308 \cdot 10^{-5}$	0
cHl3	-0.0005214	-0.0005214	0	$5.255 \cdot 10^{-5}$	$5.255 \cdot 10^{-5}$	0
cHt	$8.484 \cdot 10^{-5}$	$8.484 \cdot 10^{-5}$	0	$2.994 \cdot 10^{-5}$	$2.994 \cdot 10^{-5}$	0
cQd1	-0.01003	-0.01003	0	0.5952	0.5952	0
cQd8	0.1438	0.1438	0	0.0419	0.0419	0
cQj11	-0.0074	-0.0074	0	0.04044	0.04044	0
cQj18	0.1284	0.1284	0	0.03671	0.03671	0
cQj31	0.1904	0.1904	0	0.9355	0.9355	0
cQj38	-0.2732	-0.2732	0	0.08556	0.08556	0
cQtjd1Im	$5.621 \cdot 10^{-27}$	$1.71 \cdot 10^{-26}$	-2.042	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
cQtjd1Re	$-7.096 \cdot 10^{-10}$	$-7.096 \cdot 10^{-10}$	$-5.778 \cdot 10^{-7}$	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
cQtjd8Im	$1.446 \cdot 10^{-27}$	$-6.434 \cdot 10^{-27}$	5.448	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
cQtjd8Re	$-2.578 \cdot 10^{-11}$	$-2.578 \cdot 10^{-11}$	$-5.818 \cdot 10^{-7}$	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
cdBIm	$-1.506 \cdot 10^{-26}$	$-1.486 \cdot 10^{-26}$	0.0136	$2.595 \cdot 10^{-12}$	$2.595 \cdot 10^{-12}$	$-1.195 \cdot 10^{-6}$
cdBRe	$4.017 \cdot 10^{-12}$	$4.017 \cdot 10^{-12}$	$-5.725 \cdot 10^{-7}$	$2.549 \cdot 10^{-12}$	$2.549 \cdot 10^{-12}$	$-1.177 \cdot 10^{-6}$
cdGIm	$-2.941 \cdot 10^{-27}$	$-3.283 \cdot 10^{-27}$	-0.1163	$2.845 \cdot 10^{-11}$	$2.845 \cdot 10^{-11}$	$-1.16 \cdot 10^{-6}$
cdGRe	$-1.567 \cdot 10^{-10}$	$-1.567 \cdot 10^{-10}$	$-5.745 \cdot 10^{-7}$	$2.845 \cdot 10^{-11}$	$2.845 \cdot 10^{-11}$	$-1.16 \cdot 10^{-6}$
cdHIm	$-1.693 \cdot 10^{-27}$	$-1.498 \cdot 10^{-30}$	0.9991	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
cdHRe	$-2.09 \cdot 10^{-11}$	$-2.09 \cdot 10^{-11}$	$-5.741 \cdot 10^{-7}$	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
cdWIm	$-2.017 \cdot 10^{-26}$	$-2.036 \cdot 10^{-26}$	-0.009311	$4.434 \cdot 10^{-12}$	$4.434 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$

		interference			square	
cdWRe	$-6.126 \cdot 10^{-12}$	$-6.126 \cdot 10^{-12}$	$-5.876 \cdot 10^{-7}$	$4.343 \cdot 10^{-12}$	$4.343 \cdot 10^{-12}$	$-1.174 \cdot 10^{-6}$
cjtQd1Im	$-1.692 \cdot 10^{-27}$	$-2.623 \cdot 10^{-27}$	-0.5502	$1.398 \cdot 10^{-10}$	$1.398 \cdot 10^{-10}$	$-1.216 \cdot 10^{-6}$
cjtQd1Re	$5.237 \cdot 10^{-11}$	$5.237 \cdot 10^{-11}$	$-5.92 \cdot 10^{-7}$	$1.41 \cdot 10^{-12}$	$1.41 \cdot 10^{-12}$	$-1.205 \cdot 10^{-6}$
cjtQd8Im	$3.281 \cdot 10^{-28}$	$-2.83 \cdot 10^{-27}$	9.626	$2.975 \cdot 10^{-11}$	$2.975 \cdot 10^{-11}$	$-1.176 \cdot 10^{-6}$
cjtQd8Re	$-1.472 \cdot 10^{-10}$	$-1.472 \cdot 10^{-10}$	$-6.114 \cdot 10^{-7}$	$1.507 \cdot 10^{-11}$	$1.507 \cdot 10^{-11}$	$-1.128 \cdot 10^{-6}$
cll1	0.0002607	0.0002607	0	$1.314 \cdot 10^{-5}$	$1.314 \cdot 10^{-5}$	0
ctBIm	$1.093 \cdot 10^{-19}$	$1.093 \cdot 10^{-19}$	0	0.000999	0.000999	0
ctBRe	0.0002511	0.0002511	0	0.001239	0.001239	0
ctGIm	$1.471 \cdot 10^{-24}$	$1.471 \cdot 10^{-24}$	0	0.009267	0.009267	0
ctGRe	-0.1986	-0.1986	0	0.03659	0.03659	0
ctHIm	$1.074 \cdot 10^{-27}$	$1.074 \cdot 10^{-27}$	0	$7.236 \cdot 10^{-13}$	$7.236 \cdot 10^{-13}$	0
ctHRe	$-2.091 \cdot 10^{-11}$	$-2.091 \cdot 10^{-11}$	0	$6.421 \cdot 10^{-13}$	$6.421 \cdot 10^{-13}$	0
ctWIm	$-1.509 \cdot 10^{-18}$	$-1.509 \cdot 10^{-18}$	0	0.005779	0.005779	0
ctWRe	-0.001193	-0.001193	0	0.005925	0.005925	0
ctd1	-0.002725	-0.002725	0	0.04044	0.04044	0
ctd8	0.4987	0.4987	0	0.1617	0.1617	0
ctj1	0.005199	0.005199	0	0.3886	0.3886	0
ctj8	0.4116	0.4116	0	0.1323	0.1323	0
sm	0	0	0	0.7048	0.7048	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	-0.0005856	-0.0005856	0	$1.392 \cdot 10^{-5}$	$1.392 \cdot 10^{-5}$	0
cHQ1	-0.0005275	-0.0005275	0	$1.896 \cdot 10^{-5}$	$1.896 \cdot 10^{-5}$	0
cHQ3	0.00123	0.00123	0	$4.291 \cdot 10^{-5}$	$4.291 \cdot 10^{-5}$	0
cHWB	-0.0008838	-0.0008838	0	$6.108 \cdot 10^{-5}$	$6.108 \cdot 10^{-5}$	0
cHd	$6.344 \cdot 10^{-5}$	$6.344 \cdot 10^{-5}$	0	$2.374 \cdot 10^{-5}$	$2.374 \cdot 10^{-5}$	0

cHj1	0.0009901	0.0009901	0	$2.77 \cdot 10^{-5}$	$2.77 \cdot 10^{-5}$	0
cHj3	$5.545 \cdot 10^{-5}$	$5.545 \cdot 10^{-5}$	0	$5.853 \cdot 10^{-6}$	$5.853 \cdot 10^{-6}$	0
cHl3	-0.001372	-0.001372	0	0.0001318	0.0001318	0
cHt	$1.579 \cdot 10^{-5}$	$1.579 \cdot 10^{-5}$	0	$3.849 \cdot 10^{-6}$	$3.849 \cdot 10^{-6}$	0
cQd1	-0.002477	-0.002477	0	0.05531	0.05531	0
cQd8	0.06586	0.06586	0	0.0156	0.0156	0
cQj11	-0.08684	-0.08684	0	0.429	0.429	0
cQj18	0.5831	0.5831	0	0.1902	0.1902	0
cQj31	0.0886	0.0886	0	0.4376	0.4376	0
cQj38	-0.02062	-0.02062	0	0.0003264	0.0003264	0
cQtjd1Im	$2.963 \cdot 10^{-24}$	$-5.932 \cdot 10^{-24}$	3.002	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$6.303 \cdot 10^{-7}$
cQtjd1Re	$-2.821 \cdot 10^{-7}$	$-2.821 \cdot 10^{-7}$	$3.19 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$6.303 \cdot 10^{-7}$
cQtjd8Im	$-6.714 \cdot 10^{-25}$	$1.519 \cdot 10^{-24}$	3.263	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$
cQtjd8Re	$-3.313 \cdot 10^{-9}$	$-3.313 \cdot 10^{-9}$	$3.32 \cdot 10^{-7}$	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$
cdBIm	$-1.452 \cdot 10^{-23}$	$-1.418 \cdot 10^{-23}$	0.02395	$3.729 \cdot 10^{-10}$	$3.729 \cdot 10^{-10}$	$6.436 \cdot 10^{-7}$
cdBRe	$4.735 \cdot 10^{-9}$	$4.735 \cdot 10^{-9}$	$3.168 \cdot 10^{-7}$	$1.548 \cdot 10^{-10}$	$1.548 \cdot 10^{-10}$	$6.458 \cdot 10^{-7}$
cdGIm	$-5.173 \cdot 10^{-26}$	$-7.773 \cdot 10^{-26}$	-0.5025	$1.167 \cdot 10^{-8}$	$1.167 \cdot 10^{-8}$	$6.857 \cdot 10^{-7}$
cdGRe	$-6.213 \cdot 10^{-8}$	$-6.213 \cdot 10^{-8}$	$3.058 \cdot 10^{-7}$	$1.167 \cdot 10^{-8}$	$1.167 \cdot 10^{-8}$	$6.857 \cdot 10^{-7}$
cdHIm	$-1.831 \cdot 10^{-24}$	$-1.648 \cdot 10^{-24}$	0.09963	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
cdHRe	$-8.253 \cdot 10^{-9}$	$-8.253 \cdot 10^{-9}$	$3.15 \cdot 10^{-7}$	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
cdWIm	$-1.142 \cdot 10^{-24}$	$-1.035 \cdot 10^{-24}$	0.09381	$1.692 \cdot 10^{-10}$	$1.692 \cdot 10^{-10}$	$6.5 \cdot 10^{-7}$
cdWRe	$-5.528 \cdot 10^{-9}$	$-5.528 \cdot 10^{-9}$	$3.256 \cdot 10^{-7}$	$2.203 \cdot 10^{-10}$	$2.203 \cdot 10^{-10}$	$6.355 \cdot 10^{-7}$
cjtQd1Im	$-2.367 \cdot 10^{-25}$	$-3.033 \cdot 10^{-25}$	-0.281	$1.566 \cdot 10^{-9}$	$1.566 \cdot 10^{-9}$	$6.384 \cdot 10^{-7}$
cjtQd1Re	$-1.708 \cdot 10^{-9}$	$-1.708 \cdot 10^{-9}$	$2.927 \cdot 10^{-7}$	$1.936 \cdot 10^{-8}$	$1.936 \cdot 10^{-8}$	$6.716 \cdot 10^{-7}$
cjtQd8Im	$3.026 \cdot 10^{-25}$	$2.089 \cdot 10^{-24}$	-5.903	$1.464 \cdot 10^{-9}$	$1.464 \cdot 10^{-9}$	$6.831 \cdot 10^{-7}$
cjtQd8Re	$-3.604 \cdot 10^{-8}$	$-3.604 \cdot 10^{-8}$	$3.052 \cdot 10^{-7}$	$2.225 \cdot 10^{-9}$	$2.225 \cdot 10^{-9}$	$6.292 \cdot 10^{-7}$
cll1	0.000686	0.000686	0	$3.295 \cdot 10^{-5}$	$3.295 \cdot 10^{-5}$	0
ctBIm	$-5.619 \cdot 10^{-19}$	$-5.619 \cdot 10^{-19}$	0	0.0007545	0.0007545	0
ctBRe	-0.0003849	-0.0003849	0	0.0002962	0.0002962	0

	interference			square		
ctGIm	$4.4 \cdot 10^{-24}$	$4.406 \cdot 10^{-24}$	-0.001285	0.03685	0.03685	0
ctGRe	-0.1986	-0.1986	0	0.03461	0.03461	0
ctHIm	$-4.812 \cdot 10^{-26}$	$-5.752 \cdot 10^{-27}$	0.8805	$2.87 \cdot 10^{-10}$	$2.87 \cdot 10^{-10}$	0
ctHRe	$-8.381 \cdot 10^{-9}$	$-8.381 \cdot 10^{-9}$	0	$2.547 \cdot 10^{-10}$	$2.547 \cdot 10^{-10}$	0
ctWIm	$2.142 \cdot 10^{-19}$	$2.142 \cdot 10^{-19}$	$2.745 \cdot 10^{-5}$	0.001735	0.001735	0
ctWRe	-0.006112	-0.006112	0	0.005604	0.005604	0
ctd1	-0.0249	-0.0249	0	0.429	0.429	0
ctd8	0.03953	0.03953	0	0.006708	0.006708	0
ctj1	-0.005783	-0.005783	0	0.01098	0.01098	0
ctj8	0.05608	0.05608	0	0.01229	0.01229	0
sm	0	0	0	0.7353	0.7353	0

1.80 $t\bar{t} \to t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.09151	0.09151	0	0.001084	0.001084	0
cHQ1	0.07713	0.07713	0	0.008738	0.008738	0
cHQ3	-0.2295	-0.2295	0	0.009873	0.009873	0
cHWB	0.004106	0.004106	0	$4.789 \cdot 10^{-5}$	$4.789 \cdot 10^{-5}$	0
cHl3	0.1502	0.1502	0	0.01502	0.01502	0
cHt	-0.1768	-0.1768	0	0.01007	0.01007	0
cQQ1	0.006041	0.006041	0	0.2309	0.2309	0
cQQ8	-0.4184	-0.4184	0	0.9352	0.9352	$-2.139 \cdot 10^{-8}$
cQt1	-0.2111	-0.2111	0	8.661	8.661	0
cQt8	-2.308	-2.308	0	2.182	2.182	0
cll1	-0.07512	-0.07512	0	0.003755	0.003755	0
ctBIm	$-1.78 \cdot 10^{-16}$	$-1.771 \cdot 10^{-16}$	0.005069	0.07739	0.07739	0
ctBRe	0.4729	0.4729	0	0.1938	0.1938	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctGIm	$-2.761 \cdot 10^{-18}$	$-2.989 \cdot 10^{-18}$	-0.08256	0.2481	0.2481	0
ctGRe	-0.3228	-0.3228	0	1.286	1.286	0
ctHIm	$-7.937 \cdot 10^{-18}$	$-1.018 \cdot 10^{-17}$	-0.2824	0.004907	0.004907	0
ctHRe	0.05876	0.05876	0	0.008661	0.008661	0
ctWIm	$1.607 \cdot 10^{-16}$	$1.647 \cdot 10^{-16}$	-0.02471	0.3087	0.3087	0
ctWRe	0.4219	0.4219	0	0.28	0.28	0
ctt	-0.002151	-0.002151	0	0.5201	0.5201	0
sm	0	0	0	12.84	12.84	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-2.714 \cdot 10^{-5}$	$-2.714 \cdot 10^{-5}$	0	$5.916 \cdot 10^{-7}$	$5.916 \cdot 10^{-7}$	0
cHWB	-0.002833	-0.002833	0	0.0001364	0.0001364	0
cHj3	0.0003178	0.0003178	0	$9.635 \cdot 10^{-6}$	$9.635 \cdot 10^{-6}$	0
cHl3	-0.002608	-0.002608	0	0.0001483	0.0001483	0
cHudIm	$2.519 \cdot 10^{-39}$	$3.096 \cdot 10^{-39}$	-0.2294	$2.313 \cdot 10^{-26}$	$2.313 \cdot 10^{-26}$	$-2.681 \cdot 10^{-6}$
cHudRe	$-3.037 \cdot 10^{-24}$	$-3.037 \cdot 10^{-24}$	$-1.35 \cdot 10^{-6}$	$4.397 \cdot 10^{-26}$	$4.397 \cdot 10^{-26}$	$-2.661 \cdot 10^{-6}$
cdWIm	$2.765 \cdot 10^{-27}$	$2.627 \cdot 10^{-27}$	0.05008	$3.015 \cdot 10^{-12}$	$3.015 \cdot 10^{-12}$	$-1.161 \cdot 10^{-6}$
cdWRe	$-1.233 \cdot 10^{-12}$	$-1.233 \cdot 10^{-12}$	$-5.678 \cdot 10^{-7}$	$2.635 \cdot 10^{-12}$	$2.635 \cdot 10^{-12}$	$-1.139 \cdot 10^{-6}$
ceWIm	$9.191 \cdot 10^{-26}$	$4.595 \cdot 10^{-26}$	0.5	$4.05 \cdot 10^{-11}$	$4.05 \cdot 10^{-11}$	$-5.679 \cdot 10^{-7}$
ceWRe	$-1.279 \cdot 10^{-12}$	$-1.279 \cdot 10^{-12}$	$-3.128 \cdot 10^{-7}$	$3.942 \cdot 10^{-12}$	$3.942 \cdot 10^{-12}$	$-5.582 \cdot 10^{-7}$
cledjIm	$7.383 \cdot 10^{-21}$	$7.383 \cdot 10^{-21}$	$-1.056 \cdot 10^{-6}$	$2.208 \cdot 10^{-17}$	$2.208 \cdot 10^{-17}$	$-2.128 \cdot 10^{-6}$
cledjRe	$-4.396 \cdot 10^{-17}$	$-4.396 \cdot 10^{-17}$	$-1.046 \cdot 10^{-6}$	$2.208 \cdot 10^{-17}$	$2.208 \cdot 10^{-17}$	$-2.083 \cdot 10^{-6}$
cleju1Im	$-1.573 \cdot 10^{-21}$	$-1.573 \cdot 10^{-21}$	$-1.017 \cdot 10^{-6}$	$4.724 \cdot 10^{-18}$	$4.724 \cdot 10^{-18}$	$-2.032 \cdot 10^{-6}$
cleju1Re	$9.479 \cdot 10^{-18}$	$9.479 \cdot 10^{-18}$	$-1.013 \cdot 10^{-6}$	$4.724 \cdot 10^{-18}$	$4.724 \cdot 10^{-18}$	$-2.032 \cdot 10^{-6}$
cleju3Im	$-6.364 \cdot 10^{-21}$	$-6.364 \cdot 10^{-21}$	$-1.006 \cdot 10^{-6}$	$7.54 \cdot 10^{-17}$	$7.54 \cdot 10^{-17}$	$-2.029 \cdot 10^{-6}$
cleju3Re	$2.726 \cdot 10^{-17}$	$2.726 \cdot 10^{-17}$	$-1.027 \cdot 10^{-6}$	$3.822 \cdot 10^{-17}$	$3.822 \cdot 10^{-17}$	$-2.015 \cdot 10^{-6}$

	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
clj3	0.06131	0.06131	0	0.2898	0.2898	0
cll1	0.002001	0.002001	0	$8.723 \cdot 10^{-5}$	$8.723 \cdot 10^{-5}$	0
cuWIm	$2.437 \cdot 10^{-28}$	$3.103 \cdot 10^{-28}$	-0.2732	$2.866 \cdot 10^{-13}$	$2.866 \cdot 10^{-13}$	$-1.465 \cdot 10^{-6}$
cuWRe	$-3.6 \cdot 10^{-13}$	$-3.6 \cdot 10^{-13}$	$-7.222 \cdot 10^{-7}$	$6.45 \cdot 10^{-13}$	$6.45 \cdot 10^{-13}$	$-1.442 \cdot 10^{-6}$
sm	0	0	0	0.0003114	0.0003114	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cHDD	-0.002276	-0.002276	0	$4.961 \cdot 10^{-5}$	$4.961 \cdot 10^{-5}$	0
cHWB	-0.0001882	-0.0001882	0	$9.06 \cdot 10^{-6}$	$9.06 \cdot 10^{-6}$	0
cHj3	0.0006724	0.0006724	0	$4.076 \cdot 10^{-5}$	$4.076 \cdot 10^{-5}$	0
cHl3	-0.002536	-0.002536	0	0.0002212	0.0002212	0
cHudIm	$-3.289 \cdot 10^{-32}$	$-2.741 \cdot 10^{-32}$	0.1666	$2.225 \cdot 10^{-16}$	$2.225 \cdot 10^{-16}$	$9.438 \cdot 10^{-7}$
cHudRe	$-1.249 \cdot 10^{-15}$	$-1.249 \cdot 10^{-15}$	$4.803 \cdot 10^{-7}$	$1.032 \cdot 10^{-17}$	$1.032 \cdot 10^{-17}$	$9.688 \cdot 10^{-7}$
cdWIm	$-7.034 \cdot 10^{-27}$	$4.564 \cdot 10^{-27}$	1.649	$2.761 \cdot 10^{-9}$	$2.761 \cdot 10^{-9}$	$6.157 \cdot 10^{-7}$
cdWRe	$-1.097 \cdot 10^{-9}$	$-1.097 \cdot 10^{-9}$	$3.645 \cdot 10^{-7}$	$2.609 \cdot 10^{-9}$	$2.609 \cdot 10^{-9}$	$6.133 \cdot 10^{-7}$
cjj31	0.9873	0.9873	0	9.332	9.332	0
cjj38	$-7.192 \cdot 10^{-10}$	$2.689 \cdot 10^{-19}$	1	0.04532	0.04532	0
cjujd11Im	$-4.951 \cdot 10^{-19}$	$-4.951 \cdot 10^{-19}$	$-3.03 \cdot 10^{-7}$	$1.973 \cdot 10^{-15}$	$1.973 \cdot 10^{-15}$	$-6.082 \cdot 10^{-7}$
cjujd11Re	$-5.49 \cdot 10^{-15}$	$-5.49 \cdot 10^{-15}$	$-3.096 \cdot 10^{-7}$	$6.958 \cdot 10^{-15}$	$6.958 \cdot 10^{-15}$	$-6.036 \cdot 10^{-7}$
cjujd1Im	$-3.213 \cdot 10^{-18}$	$-3.213 \cdot 10^{-18}$	$-3.112 \cdot 10^{-7}$	$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	$-6.053 \cdot 10^{-7}$
cjujd1Re	$-1.908 \cdot 10^{-14}$	$-1.908 \cdot 10^{-14}$	$-3.144 \cdot 10^{-7}$	$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	$-6.053 \cdot 10^{-7}$
cjujd81Im	$-2.715 \cdot 10^{-19}$	$-2.715 \cdot 10^{-19}$	$-3.315 \cdot 10^{-7}$	$6.827 \cdot 10^{-17}$	$6.827 \cdot 10^{-17}$	$-6.006 \cdot 10^{-7}$
cjujd81Re	$-6.633 \cdot 10^{-15}$	$-6.633 \cdot 10^{-15}$	$-3.015 \cdot 10^{-7}$	$1.265 \cdot 10^{-15}$	$1.265 \cdot 10^{-15}$	$-5.532 \cdot 10^{-7}$
cjujd8Im	$1.096 \cdot 10^{-32}$	$8.163 \cdot 10^{-41}$	1	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-6.105 \cdot 10^{-7}$
cjujd8Re	$-6.011 \cdot 10^{-40}$	$-3.386 \cdot 10^{-34}$	$-5.634 \cdot 10^{5}$	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-6.105 \cdot 10^{-7}$
cll1	0.001269	0.001269	0	$5.534 \cdot 10^{-5}$	$5.534 \cdot 10^{-5}$	0
cuWIm	$-1.764 \cdot 10^{-23}$	$-1.764 \cdot 10^{-23}$	$-1.077 \cdot 10^{-6}$	$6.612 \cdot 10^{-7}$	$6.612 \cdot 10^{-7}$	$2.874 \cdot 10^{-7}$

cuWRe	$-2.217 \cdot 10^{-7}$	$-2.217 \cdot 10^{-7}$	$1.353 \cdot 10^{-7}$	$5.136 \cdot 10^{-7}$	$5.136 \cdot 10^{-7}$	$2.726 \cdot 10^{-7}$
sm	0	0	0	0.02611	0.02611	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.002304	0.002304	0	$3.666 \cdot 10^{-5}$	$3.666 \cdot 10^{-5}$	0
cHWB	0.0009162	0.0009162	0	$8.906 \cdot 10^{-5}$	$8.906 \cdot 10^{-5}$	0
cHd	0.000196	0.000196	0	0.0001766	0.0001766	0
cHj1	0.0001025	0.0001025	0	$9.638 \cdot 10^{-6}$	$9.638 \cdot 10^{-6}$	0
cHj3	-0.00345	-0.00345	0	0.0001832	0.0001832	0
cHl3	$2.951 \cdot 10^{-5}$	$2.951 \cdot 10^{-5}$	0	$9.472 \cdot 10^{-7}$	$9.472 \cdot 10^{-7}$	0
cHu	0.0004691	0.0004691	0	0.0001133	0.0001133	0
cHudIm	$-6.28 \cdot 10^{-37}$	$-7.656 \cdot 10^{-38}$	0.8781	$8.925 \cdot 10^{-24}$	$8.925 \cdot 10^{-24}$	$-2.667 \cdot 10^{-6}$
cHudRe	$-9.531 \cdot 10^{-21}$	$-9.531 \cdot 10^{-21}$	$-1.333 \cdot 10^{-6}$	$7.792 \cdot 10^{-24}$	$7.792 \cdot 10^{-24}$	$-2.669 \cdot 10^{-6}$
cdBIm	$-6.104 \cdot 10^{-27}$	$-6.104 \cdot 10^{-27}$	$-2.785 \cdot 10^{-6}$	$8.576 \cdot 10^{-13}$	$8.576 \cdot 10^{-13}$	$-1.178 \cdot 10^{-6}$
cdBRe	$-1.203 \cdot 10^{-11}$	$-1.203 \cdot 10^{-11}$	$-5.819 \cdot 10^{-7}$	$4.231 \cdot 10^{-11}$	$4.231 \cdot 10^{-11}$	$-1.182 \cdot 10^{-6}$
cdGIm	$1.621 \cdot 10^{-25}$	$1.621 \cdot 10^{-25}$	$-5.552 \cdot 10^{-7}$	$1.193 \cdot 10^{-12}$	$1.193 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$
cdGRe	$-1.4 \cdot 10^{-10}$	$-1.4 \cdot 10^{-10}$	$-6.427 \cdot 10^{-7}$	$1.193 \cdot 10^{-12}$	$1.193 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$
cdHIm	$6.714 \cdot 10^{-36}$	$6.863 \cdot 10^{-36}$	-0.02228	$9.616 \cdot 10^{-23}$	$9.616 \cdot 10^{-23}$	$-1.175 \cdot 10^{-6}$
cdHRe	$-1.753 \cdot 10^{-21}$	$-1.753 \cdot 10^{-21}$	$-6.277 \cdot 10^{-7}$	$9.443 \cdot 10^{-23}$	$9.443 \cdot 10^{-23}$	$-1.175 \cdot 10^{-6}$
cdWIm	$1.023 \cdot 10^{-25}$	$1.031 \cdot 10^{-25}$	-0.008406	$1.796 \cdot 10^{-11}$	$1.796 \cdot 10^{-11}$	$-1.169 \cdot 10^{-6}$
cdWRe	$4.047 \cdot 10^{-10}$	$4.047 \cdot 10^{-10}$	$-5.931 \cdot 10^{-7}$	$6.266 \cdot 10^{-11}$	$6.266 \cdot 10^{-11}$	$-1.165 \cdot 10^{-6}$
cjd1	0.02238	0.02238	0	1	1	0
cjd8	-1.206	-1.206	0	0.2222	0.2222	0
cjj11	0.2098	0.2098	0	0.8248	0.8248	0
cjj18	-0.005933	-0.005933	0	0.005033	0.005033	0
cjj31	-1.481	-1.481	0	2.699	2.699	0

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cjj38	0.3093	0.3093	$6.465 \cdot 10^{-8}$	0.5273	0.5273	$7.585 \cdot 10^{-8}$
cju1	-0.0301	-0.0301	0	1	1	0
cju8	-0.8185	-0.8185	0	0.2222	0.2222	0
cjujd11Im	$-5.995 \cdot 10^{-36}$	$-8.345 \cdot 10^{-36}$	-0.392	$1.064 \cdot 10^{-19}$	$1.064 \cdot 10^{-19}$	$-2.632 \cdot 10^{-6}$
cjujd11Re	$2.789 \cdot 10^{-21}$	$2.789 \cdot 10^{-21}$	$-1.362 \cdot 10^{-6}$	$1.209 \cdot 10^{-19}$	$1.209 \cdot 10^{-19}$	$-2.729 \cdot 10^{-6}$
cjujd1Im	$1.661 \cdot 10^{-35}$	$1.089 \cdot 10^{-35}$	0.3445	$1.031 \cdot 10^{-19}$	$1.031 \cdot 10^{-19}$	$-2.62 \cdot 10^{-6}$
cjujd1Re	$-1.133 \cdot 10^{-20}$	$-1.133 \cdot 10^{-20}$	$-1.412 \cdot 10^{-6}$	$9.202 \cdot 10^{-20}$	$9.202 \cdot 10^{-20}$	$-2.673 \cdot 10^{-6}$
cjujd81Im	$3.805 \cdot 10^{-35}$	$3.556 \cdot 10^{-35}$	0.06538	$1.149 \cdot 10^{-20}$	$1.149 \cdot 10^{-20}$	$-2.61 \cdot 10^{-6}$
cjujd81Re	$6.899 \cdot 10^{-20}$	$6.899 \cdot 10^{-20}$	$-1.334 \cdot 10^{-6}$	$1.116 \cdot 10^{-20}$	$1.116 \cdot 10^{-20}$	$-2.688 \cdot 10^{-6}$
cjujd8Im	$5.866 \cdot 10^{-35}$	$6.11 \cdot 10^{-35}$	-0.04158	$1.107 \cdot 10^{-20}$	$1.107 \cdot 10^{-20}$	$-2.62 \cdot 10^{-6}$
cjujd8Re	$2.587 \cdot 10^{-20}$	$2.587 \cdot 10^{-20}$	$-1.314 \cdot 10^{-6}$	$1.173 \cdot 10^{-20}$	$1.173 \cdot 10^{-20}$	$-2.728 \cdot 10^{-6}$
cll1	$-1.475 \cdot 10^{-5}$	$-1.475 \cdot 10^{-5}$	0	$2.369 \cdot 10^{-7}$	$2.369 \cdot 10^{-7}$	0
cuBIm	$-1.819 \cdot 10^{-25}$	$-1.82 \cdot 10^{-25}$	-0.0001742	$5.412 \cdot 10^{-13}$	$5.412 \cdot 10^{-13}$	$-1.441 \cdot 10^{-6}$
cuBRe	$-2.561 \cdot 10^{-13}$	$-2.561 \cdot 10^{-13}$	$-7.028 \cdot 10^{-7}$	$5.412 \cdot 10^{-13}$	$5.412 \cdot 10^{-13}$	$-1.441 \cdot 10^{-6}$
cuGIm	$-7.944 \cdot 10^{-27}$	$-7.457 \cdot 10^{-27}$	0.0613	$1.308 \cdot 10^{-11}$	$1.308 \cdot 10^{-11}$	$-1.453 \cdot 10^{-6}$
cuGRe	$-3.14 \cdot 10^{-11}$	$-3.14 \cdot 10^{-11}$	$-7.325 \cdot 10^{-7}$	$1.308 \cdot 10^{-11}$	$1.308 \cdot 10^{-11}$	$-1.453 \cdot 10^{-6}$
cuHIm	$-1.571 \cdot 10^{-35}$	$-1.564 \cdot 10^{-35}$	0.004842	$9.731 \cdot 10^{-23}$	$9.731 \cdot 10^{-23}$	$-1.449 \cdot 10^{-6}$
cuHRe	$-1.753 \cdot 10^{-21}$	$-1.753 \cdot 10^{-21}$	$-7.418 \cdot 10^{-7}$	$9.443 \cdot 10^{-23}$	$9.443 \cdot 10^{-23}$	$-1.451 \cdot 10^{-6}$
cuWIm	$-4.613 \cdot 10^{-26}$	$-4.59 \cdot 10^{-26}$	0.004968	$1.482 \cdot 10^{-13}$	$1.482 \cdot 10^{-13}$	$-1.417 \cdot 10^{-6}$
cuWRe	$3.718 \cdot 10^{-12}$	$3.718 \cdot 10^{-12}$	$-7.262 \cdot 10^{-7}$	$3.838 \cdot 10^{-12}$	$3.838 \cdot 10^{-12}$	$-1.459 \cdot 10^{-6}$
cud1	0.007667	0.007667	0	0.09367	0.09367	0
cud8	-0.1909	-0.1909	0	0.03784	0.03784	0
sm	0	0	0	3.472	3.472	0

1.84 $u\bar{u} \to \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	$4.447 \cdot 10^{-6}$	$4.447 \cdot 10^{-6}$	0	$2.601 \cdot 10^{-7}$	$2.601 \cdot 10^{-7}$	0

	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cHWB	-0.0001729	-0.0001729	0	$1.379 \cdot 10^{-5}$	$1.379 \cdot 10^{-5}$	0
cHj1	$-1.359 \cdot 10^{-5}$	$-1.359 \cdot 10^{-5}$	0	$5.981 \cdot 10^{-7}$	$5.981 \cdot 10^{-7}$	0
cHj3	0.0004992	0.0004992	0	$2.197 \cdot 10^{-5}$	$2.197 \cdot 10^{-5}$	0
cHl1	-0.0003036	-0.0003036	0	$9.204 \cdot 10^{-6}$	$9.204 \cdot 10^{-6}$	0
cHl3	$3.086 \cdot 10^{-5}$	$3.086 \cdot 10^{-5}$	0	$8.06 \cdot 10^{-6}$	$8.06 \cdot 10^{-6}$	0
cHu	$2.417 \cdot 10^{-7}$	$2.417 \cdot 10^{-7}$	0	$2.353 \cdot 10^{-8}$	$2.353 \cdot 10^{-8}$	0
clj1	0.04317	0.04317	0	0.2267	0.2267	0
clj3	0.007105	0.007105	0	0.0373	0.0373	0
cll1	$1.687 \cdot 10^{-5}$	$1.687 \cdot 10^{-5}$	0	$2.037 \cdot 10^{-6}$	$2.037 \cdot 10^{-6}$	0
clu	-0.0002367	-0.0002367	0	0.002748	0.002748	0
cuBIm	$-1.473 \cdot 10^{-28}$	$-1.473 \cdot 10^{-28}$	$-6.924 \cdot 10^{-6}$	$9.957 \cdot 10^{-14}$	$9.957 \cdot 10^{-14}$	$-1.446 \cdot 10^{-6}$
cuBRe	$3.817 \cdot 10^{-14}$	$3.817 \cdot 10^{-14}$	$-7.074 \cdot 10^{-7}$	$9.957 \cdot 10^{-14}$	$9.957 \cdot 10^{-14}$	$-1.446 \cdot 10^{-6}$
cuWIm	$-9.967 \cdot 10^{-29}$	$-9.967 \cdot 10^{-29}$	$3.431 \cdot 10^{-6}$	$2.446 \cdot 10^{-13}$	$2.446 \cdot 10^{-13}$	$-1.472 \cdot 10^{-6}$
cuWRe	$-3.696 \cdot 10^{-13}$	$-3.696 \cdot 10^{-13}$	$-7.306 \cdot 10^{-7}$	$4.08 \cdot 10^{-14}$	$4.08 \cdot 10^{-14}$	$-1.446 \cdot 10^{-6}$
sm	0	0	0	0.0005142	0.0005142	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cHDD	-0.0008373	-0.0008373	0	$1.974 \cdot 10^{-5}$	$1.974 \cdot 10^{-5}$	0
cHWB	-0.0004766	-0.0004766	0	$4.381 \cdot 10^{-5}$	$4.381 \cdot 10^{-5}$	0
cHj1	-0.002322	-0.002322	0	0.0001228	0.0001228	0
cHj3	0.0008988	0.0008988	0	$5.085 \cdot 10^{-5}$	$5.085 \cdot 10^{-5}$	0
cHl3	-0.00359	-0.00359	0	0.0003386	0.0003386	0
cHu	0.0001672	0.0001672	0	$2.04 \cdot 10^{-5}$	$2.04 \cdot 10^{-5}$	0
cjj11	0.009858	0.009858	0	0.09025	0.09025	0
cjj18	1.213	1.213	0	0.8184	0.8184	0
cjj31	0.4011	0.4011	0	3.672	3.672	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cjj38	0.2588	0.2588	0	0.1747	0.1747	0
cju1	$9.207 \cdot 10^{-5}$	$9.207 \cdot 10^{-5}$	0	0.003271	0.003271	0
cju8	0.3923	0.3923	0	0.1324	0.1324	0
cll1	0.001795	0.001795	0	$8.464 \cdot 10^{-5}$	$8.464 \cdot 10^{-5}$	0
cuBIm	$1.996 \cdot 10^{-23}$	$2.012 \cdot 10^{-23}$	-0.00813	$9.983 \cdot 10^{-8}$	$9.983 \cdot 10^{-8}$	$2.805 \cdot 10^{-7}$
cuBRe	$-8.454 \cdot 10^{-8}$	$-8.454 \cdot 10^{-8}$	$1.419 \cdot 10^{-7}$	$9.983 \cdot 10^{-8}$	$9.983 \cdot 10^{-8}$	$2.805 \cdot 10^{-7}$
cuGIm	$-1.5 \cdot 10^{-22}$	$3.526 \cdot 10^{-23}$	1.235	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	$2.954 \cdot 10^{-7}$
cuGRe	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	$2.954 \cdot 10^{-7}$
cuHIm	$-5.26 \cdot 10^{-33}$	$-1.048 \cdot 10^{-32}$	-0.9927	$1.553 \cdot 10^{-17}$	$1.553 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
cuHRe	$-5.159 \cdot 10^{-16}$	$-5.159 \cdot 10^{-16}$	$-2.908 \cdot 10^{-7}$	$3.107 \cdot 10^{-17}$	$3.107 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
cuWIm	$1.742 \cdot 10^{-24}$	$1.569 \cdot 10^{-24}$	0.09949	$1.088 \cdot 10^{-8}$	$1.088 \cdot 10^{-8}$	$2.757 \cdot 10^{-7}$
cuWRe	$-3.007 \cdot 10^{-7}$	$-3.007 \cdot 10^{-7}$	$1.33 \cdot 10^{-7}$	$3.281 \cdot 10^{-7}$	$3.281 \cdot 10^{-7}$	$2.743 \cdot 10^{-7}$
cuu1	0.00515	0.00515	0	0.09025	0.09025	0
cuu8	0.4811	0.4811	0	0.3248	0.3248	0
sm	0	0	0	0.9112	0.9112	0

1.86 $u\bar{u} \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	0.02341	0.02341	0	0.0007344	0.0007344	0
cHWB	0.009384	0.009384	0	0.0004107	0.0004107	0
cHj1	0.009766	0.009766	0	0.0001235	0.0001235	0
cHj3	-0.006058	-0.006058	0	$8.079 \cdot 10^{-5}$	$8.079 \cdot 10^{-5}$	0
cHl3	0.02745	0.02745	0	0.0006114	0.0006114	0
cHu	-0.003675	-0.003675	0	0.0001952	0.0001952	0
cjj11	-4.835	-4.835	0	5.78	5.78	0
cjj18	-0.1688	-0.1688	0	0.2343	0.2343	0
cjj31	-15.55	-15.55	0	8.009	8.009	0

cjj38	-0.2055	-0.2055	$-9.732 \cdot 10^{-8}$	0.2596	0.2596	$-1.926 \cdot 10^{-7}$
cju1	-0.08842	-0.08842	0	2.617	2.617	0
cju8	-2.888	-2.888	0	0.5235	0.5235	0
cll1	-0.01372	-0.01372	0	0.0001529	0.0001529	0
cuBIm	$7.91 \cdot 10^{-27}$	$7.984 \cdot 10^{-27}$	-0.009321	$1.562 \cdot 10^{-11}$	$1.562 \cdot 10^{-11}$	$-1.472 \cdot 10^{-6}$
cuBRe	$3.298 \cdot 10^{-11}$	$3.298 \cdot 10^{-11}$	$-7.277 \cdot 10^{-7}$	$1.562 \cdot 10^{-11}$	$1.562 \cdot 10^{-11}$	$-1.472 \cdot 10^{-6}$
cuGIm	$1.455 \cdot 10^{-26}$	$1.442 \cdot 10^{-26}$	0.008846	$2.797 \cdot 10^{-11}$	$2.797 \cdot 10^{-11}$	$-1.43 \cdot 10^{-6}$
cuGRe	$-1.057 \cdot 10^{-10}$	$-1.057 \cdot 10^{-10}$	$-6.62 \cdot 10^{-7}$	$2.797 \cdot 10^{-11}$	$2.797 \cdot 10^{-11}$	$-1.43 \cdot 10^{-6}$
cuHIm	$-5.276 \cdot 10^{-28}$	$-7.006 \cdot 10^{-28}$	-0.3279	$1.147 \cdot 10^{-22}$	$1.147 \cdot 10^{-22}$	$-1.483 \cdot 10^{-6}$
cuHRe	$3.425 \cdot 10^{-11}$	$3.425 \cdot 10^{-11}$	$-7.007 \cdot 10^{-7}$	$1.994 \cdot 10^{-22}$	$1.994 \cdot 10^{-22}$	$-1.454 \cdot 10^{-6}$
cuWIm	$-2.399 \cdot 10^{-27}$	$-2.789 \cdot 10^{-27}$	-0.1626	$1.598 \cdot 10^{-11}$	$1.598 \cdot 10^{-11}$	$-1.439 \cdot 10^{-6}$
cuWRe	$-1.088 \cdot 10^{-11}$	$-1.088 \cdot 10^{-11}$	$-7.355 \cdot 10^{-7}$	$8.248 \cdot 10^{-12}$	$8.248 \cdot 10^{-12}$	$-1.443 \cdot 10^{-6}$
cuu1	-4.436	-4.436	0	5.78	5.78	0
cuu8	-0.07696	-0.07696	$-1.039 \cdot 10^{-7}$	0.1603	0.1603	$-1.871 \cdot 10^{-7}$
sm	0	0	0	98.46	98.46	0

1.87 $\quad zz \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	0.02928	0.02928	0	0.04879	0.04879	0
cHBtil	$7.532 \cdot 10^{-17}$	$7.532 \cdot 10^{-17}$	0	0.04879	0.04879	0
cHDD	-9.386	-9.386	0	0.2503	0.2503	0
cHW	-0.3964	-0.3964	0	1.421	1.421	0
cHWB	-69.7	-69.7	0	5.838	5.838	0
cHWBtil	$9.055 \cdot 10^{-16}$	$9.055 \cdot 10^{-16}$	0	0.1671	0.1671	0
cHWtil	$6.564 \cdot 10^{-16}$	$6.564 \cdot 10^{-16}$	0	1.42	1.42	0
cHl3	-35.47	-35.47	0	3.772	3.772	0
cW	-0.02864	-0.02864	0	15.41	15.41	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cWtil	$-2.953 \cdot 10^{-13}$	$-2.953 \cdot 10^{-13}$	-0.00014	15.41	15.41	0
cll1	18.91	18.91	0	1.004	1.004	0
sm	0	0	0	92.4	92.4	0

1.88 $zz \to zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	0.001824	0.001824	0	0.07555	0.07555	0
cHBtil	$-5.822 \cdot 10^{-18}$	$-5.822 \cdot 10^{-18}$	0	0.09279	0.09279	0
cHDD	0.004768	0.004768	0	$7.227 \cdot 10^{-5}$	$7.227 \cdot 10^{-5}$	0
cHW	0.00581	0.00581	0	0.9727	0.9727	0
cHWB	0.003304	0.003304	0	0.2479	0.2479	0
cHWBtil	$-5.012 \cdot 10^{-17}$	$-5.012 \cdot 10^{-17}$	0	0.2492	0.2492	0
cHWtil	$1.55 \cdot 10^{-17}$	$1.55 \cdot 10^{-17}$	0	0.9555	0.9555	0
cHl3	-0.01788	-0.01788	0	0.001084	0.001084	0
cll1	0.008941	0.008941	0	0.000271	0.000271	0
sm	0	0	0	0.07865	0.07865	0

2 By parameter point

2.1 cG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \to gg$	$5.051 \cdot 10^{-10}$	$5.051 \cdot 10^{-10}$	$-1.802 \cdot 10^{-6}$	96.9	96.9	0
$gg \to ggg$	0.01011	0.01011	0	0.3911	0.3911	0
$gg \to t\bar{t}$	-0.6286	-0.6286	0	0.6954	0.6954	0
$gg \to u\bar{u}$	$-1.265 \cdot 10^{-10}$	$-1.265 \cdot 10^{-10}$	0	0.5601	0.5601	0

2.2   cGtil

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$gg \to gg$	$\color{red}{-2.494 \cdot 10^{-15}}$	$\color{red}{-2.562 \cdot 10^{-15}}$	$\color{red}{-0.02715}$	96.9	96.9	0
$gg \to ggg$	0.0008785	0.0008785	0	0.3911	0.3911	0
$gg \to t\bar{t}$	$-7.085 \cdot 10^{-17}$	$-7.085 \cdot 10^{-17}$	0	0.6954	0.6954	0
$gg \to u\bar{u}$	$-1.095 \cdot 10^{-17}$	$-1.095 \cdot 10^{-17}$	0	0.5601	0.5601	0

2.3   cH

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	-1.383	-1.383	0	2.163	2.163	0
$HH \to HHH$	$4.258 \cdot 10^{-6}$	$4.258 \cdot 10^{-6}$	0	$6.682 \cdot 10^{-5}$	$6.682 \cdot 10^{-5}$	0
$HH \to H\tau^+\tau^-$	$-1.378 \cdot 10^{-10}$	$-1.378 \cdot 10^{-10}$	0	$4.732 \cdot 10^{-10}$	$4.732 \cdot 10^{-10}$	0
$HH \to Hb\bar{b}$	$-1.287 \cdot 10^{-8}$	$-1.287 \cdot 10^{-8}$	0	$2.171 \cdot 10^{-8}$	$2.171 \cdot 10^{-8}$	0
$HH \to Hs\bar{s}$	$-3.79 \cdot 10^{-12}$	$-3.79 \cdot 10^{-12}$	0	$1.121 \cdot 10^{-11}$	$1.121 \cdot 10^{-11}$	0
$HH \to Ht\bar{t}$	$3.682 \cdot 10^{-5}$	$3.682 \cdot 10^{-5}$	0	$2.421 \cdot 10^{-5}$	$2.421 \cdot 10^{-5}$	0
$HH \to Hu\bar{u}$	$-2.719 \cdot 10^{-13}$	$-2.719 \cdot 10^{-13}$	0	$4.665 \cdot 10^{-13}$	$4.665 \cdot 10^{-13}$	0
$HH \to Hzz$	$2.479 \cdot 10^{-5}$	$2.479 \cdot 10^{-5}$	0	$2.343 \cdot 10^{-5}$	$2.343 \cdot 10^{-5}$	0
$HH \to W^+W^-$	1.388	1.388	0	0.1331	0.1331	0
$HH \to W^+W^-\gamma$	$-1.147 \cdot 10^{-7}$	$-1.147 \cdot 10^{-7}$	0	$9.384 \cdot 10^{-8}$	$9.384 \cdot 10^{-8}$	0
$HH \to W^+\bar{t}b$	$-1.672 \cdot 10^{-6}$	$-1.672 \cdot 10^{-6}$	0	$2.402 \cdot 10^{-6}$	$2.402 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$3.573 \cdot 10^{-8}$	$3.573 \cdot 10^{-8}$	0	$3.786 \cdot 10^{-9}$	$3.786 \cdot 10^{-9}$	0
$HH \to W^-u\bar{d}$	$1.47 \cdot 10^{-8}$	$1.47 \cdot 10^{-8}$	0	$2.771 \cdot 10^{-10}$	$2.771 \cdot 10^{-10}$	0
$HH \to z\bar{b}b$	$1.237 \cdot 10^{-7}$	$1.237 \cdot 10^{-7}$	0	$2.176 \cdot 10^{-9}$	$2.176 \cdot 10^{-9}$	0
$HH \to z\nu_e\bar{\nu}_e$	$3.935 \cdot 10^{-10}$	$3.935 \cdot 10^{-10}$	0	$5.222 \cdot 10^{-11}$	$5.222 \cdot 10^{-11}$	0
$HH \to zc\bar{c}$	$3.206 \cdot 10^{-6}$	$3.206 \cdot 10^{-6}$	0	$4.432 \cdot 10^{-6}$	$4.432 \cdot 10^{-6}$	0

		interference			square	
$HH \to zd\bar{d}$	$5.666 \cdot 10^{-9}$	$5.666 \cdot 10^{-9}$	0	$3.055 \cdot 10^{-10}$	$3.055 \cdot 10^{-10}$	0
$HH \to ze^+e^-$	$2.67 \cdot 10^{-8}$	$2.67 \cdot 10^{-8}$	0	$9.816 \cdot 10^{-8}$	$9.816 \cdot 10^{-8}$	0
$HH \to zt\bar{t}$	$1.238 \cdot 10^{-5}$	$1.238 \cdot 10^{-5}$	0	$4.697 \cdot 10^{-7}$	$4.697 \cdot 10^{-7}$	0
$HH \to zz$	0.1894	0.1894	0	0.06606	0.06606	0
$W^+W^- \to Hb\bar{b}$	$-2.151 \cdot 10^{-10}$	$-2.151 \cdot 10^{-10}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
$W^+W^- \to Hc\bar{c}$	$1.251 \cdot 10^{-12}$	$1.251 \cdot 10^{-12}$	0	$5.799 \cdot 10^{-12}$	$5.799 \cdot 10^{-12}$	0
$W^+W^- \to Hd\bar{d}$	$9.894 \cdot 10^{-17}$	$9.894 \cdot 10^{-17}$	0	$6.383 \cdot 10^{-17}$	$6.383 \cdot 10^{-17}$	0
$W^+W^- \to Ht\bar{t}$	$2.872 \cdot 10^{-7}$	$2.872 \cdot 10^{-7}$	0	$9.791 \cdot 10^{-8}$	$9.791 \cdot 10^{-8}$	0

2.4 cHB

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
$HH \to Hzz$	$-3.705 \cdot 10^{-6}$	$-3.705 \cdot 10^{-6}$	0	$5.788 \cdot 10^{-7}$	$5.788 \cdot 10^{-7}$	0
$HH \to W^+W^-\gamma$	$-5.835 \cdot 10^{-7}$	$-5.835 \cdot 10^{-7}$	0	$2.655 \cdot 10^{-6}$	$2.655 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$1.071 \cdot 10^{-7}$	$1.071 \cdot 10^{-7}$	0	$4.704 \cdot 10^{-8}$	$4.704 \cdot 10^{-8}$	0
$HH \to z\nu_e\bar{\nu}_e$	$5.115 \cdot 10^{-8}$	$5.115 \cdot 10^{-8}$	0	$3.233 \cdot 10^{-8}$	$3.233 \cdot 10^{-8}$	0
$HH \to zc\bar{c}$	$3.339 \cdot 10^{-8}$	$3.339 \cdot 10^{-8}$	0	$7.126 \cdot 10^{-7}$	$7.126 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$1.107 \cdot 10^{-7}$	$1.107 \cdot 10^{-7}$	0	$4.292 \cdot 10^{-8}$	$4.292 \cdot 10^{-8}$	0
$HH \to ze^+e^-$	$1.999 \cdot 10^{-8}$	$1.999 \cdot 10^{-8}$	0	$7.274 \cdot 10^{-7}$	$7.274 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$-2.377 \cdot 10^{-6}$	$-2.377 \cdot 10^{-6}$	0	$3.66 \cdot 10^{-7}$	$3.66 \cdot 10^{-7}$	0
$HH \to zz$	0.006398	0.006398	0	0.2054	0.2054	0
$HW^+ \to \gamma t\bar{b}$	$-1.266 \cdot 10^{-7}$	$-1.266 \cdot 10^{-7}$	0	$1.858 \cdot 10^{-8}$	$1.858 \cdot 10^{-8}$	0
$HW^+ \to \gamma u\bar{d}$	$5.154 \cdot 10^{-9}$	$5.154 \cdot 10^{-9}$	0	$6.809 \cdot 10^{-9}$	$6.809 \cdot 10^{-9}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$8.378 \cdot 10^{-9}$	$8.378 \cdot 10^{-9}$	0	$1.381 \cdot 10^{-7}$	$1.381 \cdot 10^{-7}$	0
$H\gamma \to b\bar{b}$	$-1.959 \cdot 10^{-5}$	$-1.959 \cdot 10^{-5}$	0	0.009102	0.009102	0
$H\gamma \to c\bar{c}$	$-2.585 \cdot 10^{-6}$	$-2.585 \cdot 10^{-6}$	0	0.02332	0.02332	0
$H\gamma \to d\bar{d}$	$-6.052 \cdot 10^{-13}$	$-6.052 \cdot 10^{-13}$	0	0.005508	0.005508	0
$H\gamma \to e^+e^-$	$-4.245 \cdot 10^{-13}$	$-4.245 \cdot 10^{-13}$	0	0.02099	0.02099	0

$H\gamma \to t\bar{t}$	-0.02468	-0.02468	0	0.02036	0.02036	0
$Hz \to \mu^+\mu^-$	0.0005467	0.0005467	0	0.005698	0.005698	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.0007404	0.0007404	0	0.0006304	0.0006304	0
$Hz \to b\bar{b}$	0.0009403	0.0009403	0	0.001152	0.001152	0
$Hz \to s\bar{s}$	0.001434	0.001434	0	0.001738	0.001738	0
$Hz \to t\bar{t}$	-0.01291	-0.01291	0	0.004679	0.004679	0
$Hz \to u\bar{u}$	0.0007961	0.0007961	0	0.006677	0.006677	0
$W^+W^- \to Hb\bar{b}$	$-7.292 \cdot 10^{-8}$	$-7.292 \cdot 10^{-8}$	0	$6.87 \cdot 10^{-10}$	$6.87 \cdot 10^{-10}$	0
$W^+W^- \to Hc\bar{c}$	$8.585 \cdot 10^{-9}$	$8.585 \cdot 10^{-9}$	0	$3.782 \cdot 10^{-10}$	$3.782 \cdot 10^{-10}$	0
$W^+W^- \to Hd\bar{d}$	$-2.223 \cdot 10^{-9}$	$-2.223 \cdot 10^{-9}$	0	$5.531 \cdot 10^{-11}$	$5.531 \cdot 10^{-11}$	0
$W^+W^- \to Ht\bar{t}$	$-4.348 \cdot 10^{-8}$	$-4.348 \cdot 10^{-8}$	0	$6.127 \cdot 10^{-10}$	$6.127 \cdot 10^{-10}$	0
$W^+W^- \to \gamma\gamma$	-0.04672	-0.04672	0	0.2695	0.2695	0
$W^+W^- \to \gamma\gamma\gamma$	$-1.509 \cdot 10^{-8}$	$-1.509 \cdot 10^{-8}$	0	$3.022 \cdot 10^{-7}$	$3.022 \cdot 10^{-7}$	0
$\gamma W^+ \to zW^+$	-0.06932	-0.06932	0	0.1776	0.1776	0
$b\bar{b} \to \gamma\gamma$	$-5.777 \cdot 10^{-7}$	$-5.777 \cdot 10^{-7}$	0	$7.062 \cdot 10^{-6}$	$7.062 \cdot 10^{-6}$	0
$zz \to W^+W^-$	0.02928	0.02928	0	0.04879	0.04879	0
$zz \to zz$	0.001824	0.001824	0	0.07555	0.07555	0

2.5   cHBtil

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hzz$	$-4.36 \cdot 10^{-7}$	$-4.36 \cdot 10^{-7}$	0	$3.417 \cdot 10^{-6}$	$3.417 \cdot 10^{-6}$	0
$HH \to W^+W^-\gamma$	$-4.619 \cdot 10^{-8}$	$-4.619 \cdot 10^{-8}$	0	$9.604 \cdot 10^{-8}$	$9.604 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$-1.457 \cdot 10^{-8}$	$-1.457 \cdot 10^{-8}$	0	$6.834 \cdot 10^{-9}$	$6.834 \cdot 10^{-9}$	0
$HH \to z\nu_e\bar{\nu}_e$	$-5.187 \cdot 10^{-6}$	$-5.187 \cdot 10^{-6}$	0	$5.383 \cdot 10^{-6}$	$5.383 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$1.515 \cdot 10^{-9}$	$1.515 \cdot 10^{-9}$	0	$4.837 \cdot 10^{-7}$	$4.837 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$-1.017 \cdot 10^{-7}$	$-1.017 \cdot 10^{-7}$	0	$2.05 \cdot 10^{-6}$	$2.05 \cdot 10^{-6}$	0
$HH \to ze^+e^-$	$1.966 \cdot 10^{-9}$	$1.966 \cdot 10^{-9}$	0	$1.063 \cdot 10^{-6}$	$1.063 \cdot 10^{-6}$	0

$HH \to zt\bar{t}$	$1.107 \cdot 10^{-6}$	$1.107 \cdot 10^{-6}$	0	$5.95 \cdot 10^{-7}$	$5.95 \cdot 10^{-7}$	0
$HH \to zz$	$1.9 \cdot 10^{-16}$	$1.9 \cdot 10^{-16}$	0	0.325	0.325	0
$HW^{+} \to \gamma t\bar{b}$	$1.724 \cdot 10^{-8}$	$1.724 \cdot 10^{-8}$	0	$3.493 \cdot 10^{-8}$	$3.493 \cdot 10^{-8}$	0
$HW^{+} \to \gamma u\bar{d}$	$6.002 \cdot 10^{-8}$	$6.002 \cdot 10^{-8}$	0	$6.302 \cdot 10^{-7}$	$6.302 \cdot 10^{-7}$	0
$HW^{-} \to \gamma e^{-}\bar{\nu}_e$	$-7.947 \cdot 10^{-10}$	$-7.947 \cdot 10^{-10}$	0	$2.918 \cdot 10^{-9}$	$2.918 \cdot 10^{-9}$	0
$H\gamma \to b\bar{b}$	$6.942 \cdot 10^{-9}$	$6.942 \cdot 10^{-9}$	0	0.008209	0.008209	0
$H\gamma \to c\bar{c}$	$-1.371 \cdot 10^{-10}$	$-1.371 \cdot 10^{-10}$	0	0.01773	0.01773	0
$H\gamma \to d\bar{d}$	$-2.435 \cdot 10^{-15}$	$-2.435 \cdot 10^{-15}$	0	0.006154	0.006154	0
$H\gamma \to e^{+}e^{-}$	$3.608 \cdot 10^{-17}$	$3.608 \cdot 10^{-17}$	0	0.01924	0.01924	0
$H\gamma \to t\bar{t}$	$-1.885 \cdot 10^{-6}$	$-1.885 \cdot 10^{-6}$	0	0.01789	0.01789	
$Hz \to \mu^{+}\mu^{-}$	$6.317 \cdot 10^{-9}$	$6.317 \cdot 10^{-9}$	0	0.003029	0.003029	0
$Hz \to \nu_{\tau}\bar{\nu}_{\tau}$	$1.807 \cdot 10^{-20}$	$1.807 \cdot 10^{-20}$	0	0.0006584	0.0006584	0
$Hz \to b\bar{b}$	$2.623 \cdot 10^{-7}$	$2.623 \cdot 10^{-7}$	0	0.0013	0.0013	0
$Hz \to s\bar{s}$	$1.573 \cdot 10^{-7}$	$1.573 \cdot 10^{-7}$	0	0.001119	0.001119	0
$Hz \to t\bar{t}$	$4.981 \cdot 10^{-7}$	$4.981 \cdot 10^{-7}$	0	0.005134	0.005134	0
$Hz \to u\bar{u}$	$-3.277 \cdot 10^{-7}$	$-3.277 \cdot 10^{-7}$	0	0.003796	0.003796	0
$W^{+}W^{-} \to Hb\bar{b}$	$9.934 \cdot 10^{-10}$	$9.934 \cdot 10^{-10}$	0	$5.785 \cdot 10^{-11}$	$5.785 \cdot 10^{-11}$	0
$W^{+}W^{-} \to Hc\bar{c}$	$4.252 \cdot 10^{-10}$	$4.252 \cdot 10^{-10}$	0	$6.571 \cdot 10^{-11}$	$6.571 \cdot 10^{-11}$	0
$W^{+}W^{-} \to Hd\bar{d}$	$-2.249 \cdot 10^{-9}$	$-2.249 \cdot 10^{-9}$	0	$3.561 \cdot 10^{-11}$	$3.561 \cdot 10^{-11}$	0
$W^{+}W^{-} \to Ht\bar{t}$	$-2.255 \cdot 10^{-9}$	$-2.255 \cdot 10^{-9}$	0	$2.205 \cdot 10^{-11}$	$2.205 \cdot 10^{-11}$	0
$W^{+}W^{-} \to \gamma\gamma$	$-2.879 \cdot 10^{-17}$	$-2.879 \cdot 10^{-17}$	0	0.2695	0.2695	0
$W^{+}W^{-} \to \gamma\gamma\gamma$	$3.438 \cdot 10^{-8}$	$3.438 \cdot 10^{-8}$	0	$1.036 \cdot 10^{-6}$	$1.036 \cdot 10^{-6}$	0
$\gamma W^{+} \to zW^{+}$	$-3.815 \cdot 10^{-16}$	$-3.815 \cdot 10^{-16}$	0	0.1441	0.1441	0
$b\bar{b} \to \gamma\gamma$	$1.41 \cdot 10^{-24}$	$1.41 \cdot 10^{-24}$	0	$7.062 \cdot 10^{-6}$	$7.062 \cdot 10^{-6}$	0
$zz \to W^{+}W^{-}$	$7.532 \cdot 10^{-17}$	$7.532 \cdot 10^{-17}$	0	0.04879	0.04879	0
$zz \to zz$	$-5.822 \cdot 10^{-18}$	$-5.822 \cdot 10^{-18}$	0	0.09279	0.09279	0

2.6   cHDD

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
$HH \to HH$	-0.11	-0.11	0	0.01458	0.01458	0
$HH \to HHH$	$3.854 \cdot 10^{-7}$	$3.854 \cdot 10^{-7}$	0	$4.905 \cdot 10^{-7}$	$4.905 \cdot 10^{-7}$	0
$HH \to H\tau^+\tau^-$	$-9.988 \cdot 10^{-10}$	$-9.988 \cdot 10^{-10}$	0	$1.331 \cdot 10^{-10}$	$1.331 \cdot 10^{-10}$	0
$HH \to Hb\bar{b}$	$-4.906 \cdot 10^{-9}$	$-4.906 \cdot 10^{-9}$	0	$8.798 \cdot 10^{-10}$	$8.798 \cdot 10^{-10}$	0
$HH \to Hs\bar{s}$	$-3.96 \cdot 10^{-13}$	$-3.96 \cdot 10^{-13}$	0	$1.366 \cdot 10^{-13}$	$1.366 \cdot 10^{-13}$	0
$HH \to Ht\bar{t}$	$-2.713 \cdot 10^{-6}$	$-2.713 \cdot 10^{-6}$	0	$6.66 \cdot 10^{-7}$	$6.66 \cdot 10^{-7}$	0
$HH \to Hu\bar{u}$	$-2.619 \cdot 10^{-16}$	$-2.619 \cdot 10^{-16}$	0	$9.274 \cdot 10^{-17}$	$9.274 \cdot 10^{-17}$	0
$HH \to Hzz$	$1.252 \cdot 10^{-6}$	$1.252 \cdot 10^{-6}$	0	$5.402 \cdot 10^{-7}$	$5.402 \cdot 10^{-7}$	0
$HH \to W^+W^-$	-0.43	-0.43	0	0.108	0.108	0
$HH \to W^+W^-\gamma$	$-3.965 \cdot 10^{-6}$	$-3.965 \cdot 10^{-6}$	0	$1.008 \cdot 10^{-6}$	$1.008 \cdot 10^{-6}$	0
$HH \to W^+\bar{t}b$	$-6.497 \cdot 10^{-7}$	$-6.497 \cdot 10^{-7}$	0	$3.654 \cdot 10^{-6}$	$3.654 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$-4.458 \cdot 10^{-8}$	$-4.458 \cdot 10^{-8}$	0	$3.338 \cdot 10^{-9}$	$3.338 \cdot 10^{-9}$	0
$HH \to W^-u\bar{d}$	$-2.813 \cdot 10^{-7}$	$-2.813 \cdot 10^{-7}$	0	$3.706 \cdot 10^{-8}$	$3.706 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$-1.3 \cdot 10^{-8}$	$-1.3 \cdot 10^{-8}$	0	$4.068 \cdot 10^{-8}$	$4.068 \cdot 10^{-8}$	0
$HH \to z\nu_e\bar{\nu}_e$	$-2.594 \cdot 10^{-9}$	$-2.594 \cdot 10^{-9}$	0	$9.557 \cdot 10^{-9}$	$9.557 \cdot 10^{-9}$	0
$HH \to zc\bar{c}$	$-5.568 \cdot 10^{-9}$	$-5.568 \cdot 10^{-9}$	0	$1.208 \cdot 10^{-9}$	$1.208 \cdot 10^{-9}$	0
$HH \to zd\bar{d}$	$-1.398 \cdot 10^{-6}$	$-1.398 \cdot 10^{-6}$	0	$1.229 \cdot 10^{-6}$	$1.229 \cdot 10^{-6}$	0
$HH \to ze^+e^-$	$1.338 \cdot 10^{-9}$	$1.338 \cdot 10^{-9}$	0	$6.044 \cdot 10^{-10}$	$6.044 \cdot 10^{-10}$	0
$HH \to zt\bar{t}$	$-2.269 \cdot 10^{-6}$	$-2.269 \cdot 10^{-6}$	0	$2.421 \cdot 10^{-6}$	$2.421 \cdot 10^{-6}$	0
$HH \to zz$	-0.05867	-0.05867	0	0.4517	0.4517	0
$HW^+ \to \gamma t\bar{b}$	$-1.227 \cdot 10^{-6}$	$-1.227 \cdot 10^{-6}$	0	$7.379 \cdot 10^{-8}$	$7.379 \cdot 10^{-8}$	0
$HW^+ \to \gamma u\bar{d}$	$-1.08 \cdot 10^{-8}$	$-1.08 \cdot 10^{-8}$	0	$4.351 \cdot 10^{-10}$	$4.351 \cdot 10^{-10}$	0
$HW^+ \to u\bar{d}$	-0.0003923	-0.0003923	0	$1.58 \cdot 10^{-5}$	$1.58 \cdot 10^{-5}$	0
$HW^- \to \bar{t}b$	-0.6946	-0.6946	0	0.05453	0.05453	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-1.771 \cdot 10^{-9}$	$-1.771 \cdot 10^{-9}$	0	$7.135 \cdot 10^{-11}$	$7.135 \cdot 10^{-11}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	-0.001286	-0.001286	0	$5.18 \cdot 10^{-5}$	$5.18 \cdot 10^{-5}$	0
$H\gamma \to b\bar{b}$	$-3.257 \cdot 10^{-6}$	$-3.257 \cdot 10^{-6}$	0	$2.468 \cdot 10^{-8}$	$2.468 \cdot 10^{-8}$	0

$H\gamma \to c\bar{c}$	$-8.494 \cdot 10^{-7}$	$-8.494 \cdot 10^{-7}$	0	$6.437 \cdot 10^{-9}$	$6.437 \cdot 10^{-9}$	0
$H\gamma \to d\bar{d}$	$-3.055 \cdot 10^{-12}$	$-3.055 \cdot 10^{-12}$	0	$2.315 \cdot 10^{-14}$	$2.315 \cdot 10^{-14}$	0
$H\gamma \to e^{+}e^{-}$	$-1.995 \cdot 10^{-12}$	$-1.995 \cdot 10^{-12}$	0	$1.512 \cdot 10^{-14}$	$1.512 \cdot 10^{-14}$	0
$H\gamma \to t\bar{t}$	-0.03993	-0.03993	0	0.0003026	0.0003026	0
$Hz \to \mu^{+}\mu^{-}$	$-5.687 \cdot 10^{-6}$	$-5.687 \cdot 10^{-6}$	0	$1.762 \cdot 10^{-6}$	$1.762 \cdot 10^{-6}$	0
$Hz \to \nu_{\tau}\bar{\nu}_{\tau}$	$-1.561 \cdot 10^{-19}$	$-1.561 \cdot 10^{-19}$	0	$5.808 \cdot 10^{-35}$	$5.808 \cdot 10^{-35}$	0
$Hz \to b\bar{b}$	-0.0001601	-0.0001601	0	$1.051 \cdot 10^{-5}$	$1.051 \cdot 10^{-5}$	0
$Hz \to s\bar{s}$	-0.0001129	-0.0001129	0	$1.117 \cdot 10^{-6}$	$1.117 \cdot 10^{-6}$	0
$Hz \to t\bar{t}$	-0.01052	-0.01052	0	0.01698	0.01698	0
$Hz \to u\bar{u}$	-0.0001304	-0.0001304	0	$4.695 \cdot 10^{-6}$	$4.695 \cdot 10^{-6}$	0
$W^{+}W^{-} \to Hb\bar{b}$	$-8.786 \cdot 10^{-7}$	$-8.786 \cdot 10^{-7}$	0	$9.526 \cdot 10^{-8}$	$9.526 \cdot 10^{-8}$	0
$W^{+}W^{-} \to Hc\bar{c}$	$-1.05 \cdot 10^{-7}$	$-1.05 \cdot 10^{-7}$	0	$9.038 \cdot 10^{-9}$	$9.038 \cdot 10^{-9}$	0
$W^{+}W^{-} \to Hd\bar{d}$	$-1.395 \cdot 10^{-6}$	$-1.395 \cdot 10^{-6}$	0	$1.235 \cdot 10^{-7}$	$1.235 \cdot 10^{-7}$	0
$W^{+}W^{-} \to Ht\bar{t}$	$-6.048 \cdot 10^{-5}$	$-6.048 \cdot 10^{-5}$	0	$5.859 \cdot 10^{-6}$	$5.859 \cdot 10^{-6}$	0
$W^{+}W^{-} \to W^{+}W^{-}$	-25.76	-25.76	0	1.266	1.266	0
$\bar{b}t \to \bar{d}u$	-0.0002664	-0.0002664	0	$5.808 \cdot 10^{-6}$	$5.808 \cdot 10^{-6}$	0
$\gamma W^{+} \to zW^{+}$	-31.89	-31.89	0	0.4535	0.4535	0
$\mu^{+}\mu^{-} \to \tau^{+}\tau^{-}$	-0.00071	-0.00071	0	$2.047 \cdot 10^{-5}$	$2.047 \cdot 10^{-5}$	0
$\nu_{\tau}\bar{\nu}_{\tau} \to \nu_{\tau}\bar{\nu}_{\tau}$	-0.5521	-0.5521	0	0.008368	0.008368	0
$\nu_{e}\bar{\nu}_{e} \to \nu_{\mu}\bar{\nu}_{\mu}$	-0.0001504	-0.0001504	0	$2.279 \cdot 10^{-6}$	$2.279 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^{+}\mu^{-}$	-0.0001811	-0.0001811	0	$4.885 \cdot 10^{-6}$	$4.885 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_{e}\bar{\nu}_{e}$	$4.246 \cdot 10^{-7}$	$4.246 \cdot 10^{-7}$	0	$7.931 \cdot 10^{-8}$	$7.931 \cdot 10^{-8}$	0
$b\bar{b} \to b\bar{b}$	0.009642	0.009642	0	$4.927 \cdot 10^{-5}$	$4.927 \cdot 10^{-5}$	0
$b\bar{b} \to d\bar{d}$	-0.0007424	-0.0007424	0	$1.562 \cdot 10^{-5}$	$1.562 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.0103	-0.0103	0	0.0007763	0.0007763	0
$b\bar{b} \to u\bar{u}$	-0.0004626	-0.0004626	0	$1.09 \cdot 10^{-5}$	$1.09 \cdot 10^{-5}$	0
$b\bar{t} \to e^{-}\bar{\nu}_{e}$	-0.0001199	-0.0001199	0	$2.614 \cdot 10^{-6}$	$2.614 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^{+}\mu^{-}$	-0.0001974	-0.0001974	0	$5.008 \cdot 10^{-6}$	$5.008 \cdot 10^{-6}$	0
$c\bar{s} \to \tau^{+}\nu_{\tau}$	-0.0008568	-0.0008568	0	$1.868 \cdot 10^{-5}$	$1.868 \cdot 10^{-5}$	0

	interference			square		
$d\bar{d} \to c\bar{c}$	-0.0004074	-0.0004074	0	$9.609 \cdot 10^{-6}$	$9.609 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$4.096 \cdot 10^{-6}$	$4.096 \cdot 10^{-6}$	0	$1.151 \cdot 10^{-7}$	$1.151 \cdot 10^{-7}$	0
$d\bar{d} \to s\bar{s}$	-0.0008613	-0.0008613	0	$1.812 \cdot 10^{-5}$	$1.812 \cdot 10^{-5}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	0.0001248	0.0001248	0	$2.159 \cdot 10^{-6}$	$2.159 \cdot 10^{-6}$	0
$e^+\nu_e \to \mu^+\nu_\mu$	-0.0004156	-0.0004156	0	$9.06 \cdot 10^{-6}$	$9.06 \cdot 10^{-6}$	0
$e^+\nu_e \to e^+\nu_e$	-0.02381	-0.02381	0	0.0008107	0.0008107	0
$e^+\tau^- \to e^+\tau^-$	0.0003157	0.0003157	0	$6.857 \cdot 10^{-6}$	$6.857 \cdot 10^{-6}$	0
$e^+e^- \to \mu^+\mu^-$	-0.0001151	-0.0001151	0	$5.335 \cdot 10^{-6}$	$5.335 \cdot 10^{-6}$	0
$e^+e^- \to e^+e^-$	-0.4964	-0.4964	0	0.02126	0.02126	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	-0.0003344	-0.0003344	0	$6.413 \cdot 10^{-6}$	$6.413 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	0.0004913	0.0004913	0	$1.398 \cdot 10^{-6}$	$1.398 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	-0.0001085	-0.0001085	0	$2.932 \cdot 10^{-6}$	$2.932 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	$-2.397 \cdot 10^{-5}$	$-2.397 \cdot 10^{-5}$	0	$8.277 \cdot 10^{-7}$	$8.277 \cdot 10^{-7}$	0
$t\bar{t} \to c\bar{c}$	$5.333 \cdot 10^{-6}$	$5.333 \cdot 10^{-6}$	0	$1.002 \cdot 10^{-7}$	$1.002 \cdot 10^{-7}$	0
$t\bar{t} \to d\bar{d}$	$-5.498 \cdot 10^{-5}$	$-5.498 \cdot 10^{-5}$	0	$1.548 \cdot 10^{-6}$	$1.548 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	-0.0005856	-0.0005856	0	$1.392 \cdot 10^{-5}$	$1.392 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.09151	0.09151	0	0.001084	0.001084	0
$u\bar{d} \to \mu^+\nu_\mu$	$-2.714 \cdot 10^{-5}$	$-2.714 \cdot 10^{-5}$	0	$5.916 \cdot 10^{-7}$	$5.916 \cdot 10^{-7}$	0
$u\bar{d} \to c\bar{s}$	-0.002276	-0.002276	0	$4.961 \cdot 10^{-5}$	$4.961 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	0.002304	0.002304	0	$3.666 \cdot 10^{-5}$	$3.666 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.447 \cdot 10^{-6}$	$4.447 \cdot 10^{-6}$	0	$2.601 \cdot 10^{-7}$	$2.601 \cdot 10^{-7}$	0
$u\bar{u} \to c\bar{c}$	-0.0008373	-0.0008373	0	$1.974 \cdot 10^{-5}$	$1.974 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	0.02341	0.02341	0	0.0007344	0.0007344	0
$zz \to W^+W^-$	-9.386	-9.386	0	0.2503	0.2503	0
$zz \to zz$	0.004768	0.004768	0	$7.227 \cdot 10^{-5}$	$7.227 \cdot 10^{-5}$	0

2.7   cHG

interference

square

	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
$gg \to t\bar{t}$	-0.05169	-0.05169	0	0.04069	0.04069	0
$gg \to u\bar{u}$	$-4.205 \cdot 10^{-11}$	$-4.205 \cdot 10^{-11}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0

2.8   cHGtil

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
$gg \to gg$	$1.888 \cdot 10^{-16}$	$1.888 \cdot 10^{-16}$	0	$7.789 \cdot 10^{-33}$	$7.789 \cdot 10^{-33}$	0
$gg \to ggg$	$3.524 \cdot 10^{-14}$	$3.524 \cdot 10^{-14}$	0	$2.985 \cdot 10^{-26}$	$2.985 \cdot 10^{-26}$	0
$gg \to t\bar{t}$	$-4.127 \cdot 10^{-18}$	$-4.127 \cdot 10^{-18}$	0	0.04069	0.04069	0
$gg \to u\bar{u}$	$-1.41 \cdot 10^{-27}$	$-1.41 \cdot 10^{-27}$	0	$7.223 \cdot 10^{-12}$	$7.223 \cdot 10^{-12}$	0

2.9   cHQ1

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
$HH \to z\bar{b}b$	$1.918 \cdot 10^{-5}$	$1.918 \cdot 10^{-5}$	0	$2.662 \cdot 10^{-5}$	$2.662 \cdot 10^{-5}$	0
$HH \to zt\bar{t}$	$5.037 \cdot 10^{-5}$	$5.037 \cdot 10^{-5}$	0	$3.618 \cdot 10^{-5}$	$3.618 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	0.2233	0.2233	0	0.9692	0.9692	0
$Hz \to t\bar{t}$	2.09	2.09	0	1.42	1.42	0
$W^+W^- \to Hb\bar{b}$	$9.554 \cdot 10^{-7}$	$9.554 \cdot 10^{-7}$	0	$1.059 \cdot 10^{-7}$	$1.059 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$-1.662 \cdot 10^{-6}$	$-1.662 \cdot 10^{-6}$	0	$1.098 \cdot 10^{-6}$	$1.098 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	0.0002476	0.0002476	0	$5.84 \cdot 10^{-6}$	$5.84 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.111 \cdot 10^{-5}$	$4.111 \cdot 10^{-5}$	0	$1.476 \cdot 10^{-6}$	$1.476 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	-0.01703	-0.01703	0	0.0002112	0.0002112	0
$b\bar{b} \to d\bar{d}$	$1.88 \cdot 10^{-5}$	$1.88 \cdot 10^{-5}$	0	$1.661 \cdot 10^{-6}$	$1.661 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.000715	-0.000715	0	$5.893 \cdot 10^{-6}$	$5.893 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	0.0007126	0.0007126	0	$2.036 \cdot 10^{-5}$	$2.036 \cdot 10^{-5}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$2.037 \cdot 10^{-6}$	$2.037 \cdot 10^{-6}$	0	$2.267 \cdot 10^{-7}$	$2.267 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+ \tau^-$	$4.6 \cdot 10^{-5}$	$4.6 \cdot 10^{-5}$	0	$4.53 \cdot 10^{-6}$	$4.53 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	-0.00115	-0.00115	0	$3.055 \cdot 10^{-5}$	$3.055 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	-0.0001957	-0.0001957	0	$8.045 \cdot 10^{-6}$	$8.045 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	-0.0005275	-0.0005275	0	$1.896 \cdot 10^{-5}$	$1.896 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.07713	0.07713	0	0.008738	0.008738	0

2.10 cHQ3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+ \bar{t}b$	$1.104 \cdot 10^{-5}$	$1.104 \cdot 10^{-5}$	0	$1.561 \cdot 10^{-5}$	$1.561 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$9.472 \cdot 10^{-7}$	$9.472 \cdot 10^{-7}$	0	$5.212 \cdot 10^{-7}$	$5.212 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$-1.579 \cdot 10^{-5}$	$-1.579 \cdot 10^{-5}$	0	$1.164 \cdot 10^{-5}$	$1.164 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$-2.46 \cdot 10^{-7}$	$-2.46 \cdot 10^{-7}$	0	$2.776 \cdot 10^{-7}$	$2.776 \cdot 10^{-7}$	0
$HW^- \to \bar{t}b$	-1.627	-1.627	0	1.943	1.943	0
$Hz \to b\bar{b}$	0.2369	0.2369	0	1.028	1.028	0
$Hz \to t\bar{t}$	-2.09	-2.09	0	1.41	1.41	0
$W^+ W^- \to Hb\bar{b}$	$-6.759 \cdot 10^{-6}$	$-6.759 \cdot 10^{-6}$	0	$1.73 \cdot 10^{-6}$	$1.73 \cdot 10^{-6}$	0
$W^+ W^- \to Ht\bar{t}$	$2.818 \cdot 10^{-5}$	$2.818 \cdot 10^{-5}$	0	$1.948 \cdot 10^{-5}$	$1.948 \cdot 10^{-5}$	0
$\bar{b}t \to \bar{d}u$	0.00254	0.00254	0	$7.699 \cdot 10^{-5}$	$7.699 \cdot 10^{-5}$	0
$b\bar{b} \to \mu^+ \mu^-$	$4.75 \cdot 10^{-5}$	$4.75 \cdot 10^{-5}$	0	$3.632 \cdot 10^{-6}$	$3.632 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	0.0004002	0.0004002	0	$1.437 \cdot 10^{-5}$	$1.437 \cdot 10^{-5}$	0
$b\bar{b} \to b\bar{b}$	-0.05996	-0.05996	0	0.001601	0.001601	0
$b\bar{b} \to d\bar{d}$	$6.464 \cdot 10^{-5}$	$6.464 \cdot 10^{-5}$	0	$2.817 \cdot 10^{-6}$	$2.817 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.01603	-0.01603	0	0.003794	0.003794	0
$b\bar{b} \to u\bar{u}$	0.0002264	0.0002264	0	$8.011 \cdot 10^{-6}$	$8.011 \cdot 10^{-6}$	0
$b\bar{t} \to e^- \bar{\nu}_e$	0.0008329	0.0008329	0	$2.525 \cdot 10^{-5}$	$2.525 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$-2.223 \cdot 10^{-6}$	$-2.223 \cdot 10^{-6}$	0	$2.185 \cdot 10^{-7}$	$2.185 \cdot 10^{-7}$	0

$t\bar{t} \to \tau^+\tau^-$	$2.835 \cdot 10^{-5}$	$2.835 \cdot 10^{-5}$	0	$3.137 \cdot 10^{-6}$	$3.137 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	0.0001534	0.0001534	0	$7.813 \cdot 10^{-6}$	$7.813 \cdot 10^{-6}$	0
$t\bar{t} \to d\bar{d}$	0.0002237	0.0002237	0	$8.942 \cdot 10^{-6}$	$8.942 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	0.00123	0.00123	0	$4.291 \cdot 10^{-5}$	$4.291 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	-0.2295	-0.2295	0	0.009873	0.009873	0

2.11 cHW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hzz$	$6.365 \cdot 10^{-6}$	$6.365 \cdot 10^{-6}$	0	$5.873 \cdot 10^{-6}$	$5.873 \cdot 10^{-6}$	0
$HH \to W^+W^-$	-0.0336	-0.0336	0	7.777	7.777	0
$HH \to W^+W^-\gamma$	$4.276 \cdot 10^{-6}$	$4.276 \cdot 10^{-6}$	0	0.0001089	0.0001089	0
$HH \to W^+\bar{t}b$	$6.216 \cdot 10^{-6}$	$6.216 \cdot 10^{-6}$	0	$5.943 \cdot 10^{-6}$	$5.943 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$3.148 \cdot 10^{-7}$	$3.148 \cdot 10^{-7}$	0	$4.182 \cdot 10^{-6}$	$4.182 \cdot 10^{-6}$	0
$HH \to W^-u\bar{d}$	$7.391 \cdot 10^{-7}$	$7.391 \cdot 10^{-7}$	0	$3.011 \cdot 10^{-6}$	$3.011 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	-0.0001031	-0.0001031	0	0.002035	0.002035	0
$HH \to z\nu_e\bar{\nu}_e$	$-4.937 \cdot 10^{-8}$	$-4.937 \cdot 10^{-8}$	0	$3.547 \cdot 10^{-7}$	$3.547 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$4.259 \cdot 10^{-7}$	$4.259 \cdot 10^{-7}$	0	$7.935 \cdot 10^{-7}$	$7.935 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$2.24 \cdot 10^{-6}$	$2.24 \cdot 10^{-6}$	0	$4.949 \cdot 10^{-5}$	$4.949 \cdot 10^{-5}$	0
$HH \to ze^+e^-$	$3.518 \cdot 10^{-7}$	$3.518 \cdot 10^{-7}$	0	$1.587 \cdot 10^{-6}$	$1.587 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	-0.0001097	-0.0001097	0	$1.912 \cdot 10^{-5}$	$1.912 \cdot 10^{-5}$	0
$HH \to zz$	0.105	0.105	0	2.687	2.687	0
$HW^+ \to \gamma t\bar{b}$	$5.9 \cdot 10^{-5}$	$5.9 \cdot 10^{-5}$	0	$6.041 \cdot 10^{-7}$	$6.041 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$9.632 \cdot 10^{-8}$	$9.632 \cdot 10^{-8}$	0	$3.405 \cdot 10^{-7}$	$3.405 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	0.01191	0.01191	0	0.05666	0.05666	0
$HW^- \to \bar{t}b$	-0.08529	-0.08529	0	0.06465	0.06465	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$1.161 \cdot 10^{-9}$	$1.161 \cdot 10^{-9}$	0	$9.963 \cdot 10^{-8}$	$9.963 \cdot 10^{-8}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0.005955	0.005955	0	0.02832	0.02832	0
$H\gamma \to b\bar{b}$	$-4.369 \cdot 10^{-6}$	$-4.369 \cdot 10^{-6}$	0	0.01123	0.01123	0

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$H\gamma \to c\bar{c}$	$-1.049 \cdot 10^{-5}$	$-1.049 \cdot 10^{-5}$	0	0.01631	0.01631	0
$H\gamma \to d\bar{d}$	$-3.002 \cdot 10^{-13}$	$-3.002 \cdot 10^{-13}$	0	0.009213	0.009213	0
$H\gamma \to e^+e^-$	$-7.867 \cdot 10^{-15}$	$-7.867 \cdot 10^{-15}$	0	0.003115	0.003115	0
$H\gamma \to t\bar{t}$	-0.03202	-0.03202	0	0.01205	0.01205	0
$Hz \to \mu^+\mu^-$	0.001554	0.001554	0	0.008089	0.008089	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.002472	0.002472	0	0.006905	0.006905	0
$Hz \to b\bar{b}$	0.0095	0.0095	0	0.03174	0.03174	0
$Hz \to s\bar{s}$	0.006674	0.006674	0	0.02205	0.02205	0
$Hz \to t\bar{t}$	-0.04862	-0.04862	0	0.0269	0.0269	0
$Hz \to u\bar{u}$	0.008796	0.008796	0	0.03555	0.03555	0
$W^+W^- \to Hb\bar{b}$	$-2.975 \cdot 10^{-8}$	$-2.975 \cdot 10^{-8}$	0	$2.01 \cdot 10^{-8}$	$2.01 \cdot 10^{-8}$	0
$W^+W^- \to Hc\bar{c}$	$-6.309 \cdot 10^{-8}$	$-6.309 \cdot 10^{-8}$	0	$1.205 \cdot 10^{-8}$	$1.205 \cdot 10^{-8}$	0
$W^+W^- \to Hd\bar{d}$	$-3.345 \cdot 10^{-7}$	$-3.345 \cdot 10^{-7}$	0	$1.287 \cdot 10^{-7}$	$1.287 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$6.588 \cdot 10^{-7}$	$6.588 \cdot 10^{-7}$	0	$9.616 \cdot 10^{-6}$	$9.616 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	0.256	0.256	0	2.986	2.986	0
$W^+W^- \to \gamma\gamma$	-0.009647	-0.009647	0	0.02503	0.02503	0
$W^+W^- \to \gamma\gamma\gamma$	$2.302 \cdot 10^{-10}$	$2.302 \cdot 10^{-10}$	0	$8.612 \cdot 10^{-9}$	$8.612 \cdot 10^{-9}$	0
$\gamma W^+ \to zW^+$	0.02308	0.02308	0	0.01508	0.01508	0
$b\bar{b} \to \gamma\gamma$	$-1.698 \cdot 10^{-7}$	$-1.698 \cdot 10^{-7}$	0	$6.558 \cdot 10^{-7}$	$6.558 \cdot 10^{-7}$	0
$zz \to W^+W^-$	-0.3964	-0.3964	0	1.421	1.421	0
$zz \to zz$	0.00581	0.00581	0	0.9727	0.9727	0

2.12 cHWB

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to Hzz$	$-6.711 \cdot 10^{-6}$	$-6.711 \cdot 10^{-6}$	0	$1.899 \cdot 10^{-6}$	$1.899 \cdot 10^{-6}$	0
$HH \to W^+W^-$	-7.309	-7.309	0	4.584	4.584	0
$HH \to W^+W^-\gamma$	$-9.291 \cdot 10^{-7}$	$-9.291 \cdot 10^{-7}$	0	$6.856 \cdot 10^{-5}$	$6.856 \cdot 10^{-5}$	0

$HH \to W^+\bar{t}b$	$-1.723 \cdot 10^{-5}$	$-1.723 \cdot 10^{-5}$	0	$1.067 \cdot 10^{-5}$	$1.067 \cdot 10^{-5}$	0
$HH \to W^+e^-\bar{\nu}_e$	$-7.1 \cdot 10^{-7}$	$-7.1 \cdot 10^{-7}$	0	$4.207 \cdot 10^{-7}$	$4.207 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	$-6.285 \cdot 10^{-7}$	$-6.285 \cdot 10^{-7}$	0	$8.115 \cdot 10^{-8}$	$8.115 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$2.93 \cdot 10^{-7}$	$2.93 \cdot 10^{-7}$	0	$1.458 \cdot 10^{-7}$	$1.458 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	$9.266 \cdot 10^{-8}$	$9.266 \cdot 10^{-8}$	0	$1.061 \cdot 10^{-7}$	$1.061 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$1.348 \cdot 10^{-7}$	$1.348 \cdot 10^{-7}$	0	$6.873 \cdot 10^{-7}$	$6.873 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$3.011 \cdot 10^{-7}$	$3.011 \cdot 10^{-7}$	0	$1.338 \cdot 10^{-7}$	$1.338 \cdot 10^{-7}$	0
$HH \to ze^+e^-$	$4.042 \cdot 10^{-8}$	$4.042 \cdot 10^{-8}$	0	$4.887 \cdot 10^{-7}$	$4.887 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$-5.129 \cdot 10^{-6}$	$-5.129 \cdot 10^{-6}$	0	$4.352 \cdot 10^{-7}$	$4.352 \cdot 10^{-7}$	0
$HH \to zz$	0.01159	0.01159	0	0.6739	0.6739	0
$HW^+ \to \gamma t\bar{b}$	$-2.301 \cdot 10^{-6}$	$-2.301 \cdot 10^{-6}$	0	$7.941 \cdot 10^{-7}$	$7.941 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$-3.295 \cdot 10^{-8}$	$-3.295 \cdot 10^{-8}$	0	$2.565 \cdot 10^{-7}$	$2.565 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	-0.003604	-0.003604	0	0.0002602	0.0002602	0
$HW^- \to \bar{t}b$	-0.8092	-0.8092	0	0.233	0.233	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-2.034 \cdot 10^{-8}$	$-2.034 \cdot 10^{-8}$	0	$4.482 \cdot 10^{-7}$	$4.482 \cdot 10^{-7}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	-0.0008799	-0.0008799	0	$6.355 \cdot 10^{-5}$	$6.355 \cdot 10^{-5}$	0
$H\gamma \to b\bar{b}$	$5.989 \cdot 10^{-5}$	$5.989 \cdot 10^{-5}$	0	0.01139	0.01139	0
$H\gamma \to c\bar{c}$	$2.125 \cdot 10^{-6}$	$2.125 \cdot 10^{-6}$	0	0.01401	0.01401	0
$H\gamma \to d\bar{d}$	$1.85 \cdot 10^{-12}$	$1.85 \cdot 10^{-12}$	0	0.00689	0.00689	0
$H\gamma \to e^+e^-$	$2.454 \cdot 10^{-13}$	$2.454 \cdot 10^{-13}$	0	0.007149	0.007149	0
$H\gamma \to t\bar{t}$	0.02029	0.02029	0	0.01246	0.01246	0
$Hz \to \mu^+\mu^-$	0.001136	0.001136	0	0.00402	0.00402	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.001341	0.001341	0	0.002069	0.002069	0
$Hz \to b\bar{b}$	0.001929	0.001929	0	0.003796	0.003796	0
$Hz \to s\bar{s}$	0.003822	0.003822	0	0.005685	0.005685	0
$Hz \to t\bar{t}$	-0.04763	-0.04763	0	0.00796	0.00796	0
$Hz \to u\bar{u}$	0.003235	0.003235	0	0.006698	0.006698	0
$W^+W^- \to Hb\bar{b}$	$-1.114 \cdot 10^{-5}$	$-1.114 \cdot 10^{-5}$	0	$2.261 \cdot 10^{-6}$	$2.261 \cdot 10^{-6}$	0
$W^+W^- \to Hc\bar{c}$	$-1.061 \cdot 10^{-6}$	$-1.061 \cdot 10^{-6}$	0	$2.466 \cdot 10^{-7}$	$2.466 \cdot 10^{-7}$	0

$W^+W^- \to Hd\bar{d}$	$-1.232 \cdot 10^{-7}$	$-1.232 \cdot 10^{-7}$	0	$3.542 \cdot 10^{-8}$	$3.542 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$-2.68 \cdot 10^{-6}$	$-2.68 \cdot 10^{-6}$	0	$1.275 \cdot 10^{-6}$	$1.275 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	-10.92	-10.92	0	1.94	1.94	0
$W^+W^- \to \gamma\gamma$	-0.01614	-0.01614	0	0.09349	0.09349	0
$W^+W^- \to \gamma\gamma\gamma$	$1.214 \cdot 10^{-7}$	$1.214 \cdot 10^{-7}$	0	$3.274 \cdot 10^{-7}$	$3.274 \cdot 10^{-7}$	0
$\bar{b}t \to \bar{d}u$	-0.001381	-0.001381	0	$6.645 \cdot 10^{-5}$	$6.645 \cdot 10^{-5}$	0
$\gamma W^+ \to zW^+$	-0.01725	-0.01725	0	0.5465	0.5465	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.0006685	-0.0006685	0	0.0003364	0.0003364	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	$5.986 \cdot 10^{-22}$	$5.986 \cdot 10^{-22}$	0	$2.351 \cdot 10^{-38}$	$2.351 \cdot 10^{-38}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.799 \cdot 10^{-19}$	$1.799 \cdot 10^{-19}$	0	$9.404 \cdot 10^{-37}$	$9.404 \cdot 10^{-37}$	0
$b\bar{b} \to \gamma\gamma$	$3.189 \cdot 10^{-7}$	$3.189 \cdot 10^{-7}$	0	$2.152 \cdot 10^{-6}$	$2.152 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	-0.0003165	-0.0003165	0	$3.313 \cdot 10^{-5}$	$3.313 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-2.69 \cdot 10^{-5}$	$-2.69 \cdot 10^{-5}$	0	$3.459 \cdot 10^{-6}$	$3.459 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	0.0002859	0.0002859	0	$3.779 \cdot 10^{-5}$	$3.779 \cdot 10^{-5}$	0
$b\bar{b} \to d\bar{d}$	-0.001109	-0.001109	0	$4.081 \cdot 10^{-5}$	$4.081 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.1608	-0.1608	0	0.01375	0.01375	0
$b\bar{b} \to u\bar{u}$	-0.0007619	-0.0007619	0	$5.223 \cdot 10^{-5}$	$5.223 \cdot 10^{-5}$	0
$b\bar{t} \to e^-\bar{\nu}_e$	-0.0008914	-0.0008914	0	$4.291 \cdot 10^{-5}$	$4.291 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	$-7.998 \cdot 10^{-5}$	$-7.998 \cdot 10^{-5}$	0	$9.003 \cdot 10^{-6}$	$9.003 \cdot 10^{-6}$	0
$c\bar{s} \to \tau^+\nu_\tau$	-0.00151	-0.00151	0	$7.269 \cdot 10^{-5}$	$7.269 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	0.0001249	0.0001249	0	$3.545 \cdot 10^{-5}$	$3.545 \cdot 10^{-5}$	0
$d\bar{d} \to e^+e^-$	$-3.556 \cdot 10^{-5}$	$-3.556 \cdot 10^{-5}$	0	$2.01 \cdot 10^{-5}$	$2.01 \cdot 10^{-5}$	0
$d\bar{d} \to s\bar{s}$	-0.001155	-0.001155	0	$4.237 \cdot 10^{-5}$	$4.237 \cdot 10^{-5}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	0.006774	0.006774	0	0.001896	0.001896	0
$e^+\nu_e \to \mu^+\nu_\mu$	-0.006763	-0.006763	0	0.0003255	0.0003255	0
$e^+\nu_e \to e^+\nu_e$	-0.001131	-0.001131	0	0.001068	0.001068	0
$e^+\tau^- \to e^+\tau^-$	-0.0004461	-0.0004461	0	$3.551 \cdot 10^{-5}$	$3.551 \cdot 10^{-5}$	0
$e^+e^- \to \mu^+\mu^-$	-0.000409	-0.000409	0	0.0001987	0.0001987	0
$e^+e^- \to e^+e^-$	-0.0005148	-0.0005148	0	$5.12 \cdot 10^{-6}$	$5.12 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	-0.0001285	-0.0001285	0	$3.506 \cdot 10^{-6}$	$3.506 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	0.006757	0.006757	0	0.0001244	0.0001244	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	-0.0004732	-0.0004732	0	$2.373 \cdot 10^{-5}$	$2.373 \cdot 10^{-5}$	0
$t\bar{t} \to \tau^+ \tau^-$	-0.0002032	-0.0002032	0	$2.504 \cdot 10^{-5}$	$2.504 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	-0.0002214	-0.0002214	0	$2.251 \cdot 10^{-5}$	$2.251 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	-0.0019	-0.0019	0	0.000115	0.000115	0
$t\bar{t} \to s\bar{s}$	-0.0008838	-0.0008838	0	$6.108 \cdot 10^{-5}$	$6.108 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.004106	0.004106	0	$4.789 \cdot 10^{-5}$	$4.789 \cdot 10^{-5}$	0
$u\bar{d} \to \mu^+ \nu_\mu$	-0.002833	-0.002833	0	0.0001364	0.0001364	0
$u\bar{d} \to c\bar{s}$	-0.0001882	-0.0001882	0	$9.06 \cdot 10^{-6}$	$9.06 \cdot 10^{-6}$	0
$u\bar{d} \to u\bar{d}$	0.0009162	0.0009162	0	$8.906 \cdot 10^{-5}$	$8.906 \cdot 10^{-5}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	-0.0001729	-0.0001729	0	$1.379 \cdot 10^{-5}$	$1.379 \cdot 10^{-5}$	0
$u\bar{u} \to c\bar{c}$	-0.0004766	-0.0004766	0	$4.381 \cdot 10^{-5}$	$4.381 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	0.009384	0.009384	0	0.0004107	0.0004107	0
$zz \to W^+ W^-$	-69.7	-69.7	0	5.838	5.838	0
$zz \to zz$	0.003304	0.003304	0	0.2479	0.2479	0

2.13 cHWBtil

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HH \to Hzz$	$3.771 \cdot 10^{-7}$	$3.771 \cdot 10^{-7}$	0	$9.219 \cdot 10^{-7}$	$9.219 \cdot 10^{-7}$	0
$HH \to W^+ W^- \gamma$	$-6.084 \cdot 10^{-7}$	$-6.084 \cdot 10^{-7}$	0	$2.356 \cdot 10^{-5}$	$2.356 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$5.464 \cdot 10^{-8}$	$5.464 \cdot 10^{-8}$	0	$4.96 \cdot 10^{-8}$	$4.96 \cdot 10^{-8}$	0
$HH \to z\nu_e \bar{\nu}_e$	$4.551 \cdot 10^{-9}$	$4.551 \cdot 10^{-9}$	0	$4.463 \cdot 10^{-8}$	$4.463 \cdot 10^{-8}$	0
$HH \to zc\bar{c}$	$-1.616 \cdot 10^{-7}$	$-1.616 \cdot 10^{-7}$	0	$2.517 \cdot 10^{-7}$	$2.517 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$6.924 \cdot 10^{-7}$	$6.924 \cdot 10^{-7}$	0	$1.77 \cdot 10^{-6}$	$1.77 \cdot 10^{-6}$	0
$HH \to ze^+ e^-$	$7.445 \cdot 10^{-9}$	$7.445 \cdot 10^{-9}$	0	$8.53 \cdot 10^{-7}$	$8.53 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$-3.954 \cdot 10^{-8}$	$-3.954 \cdot 10^{-8}$	0	$2.023 \cdot 10^{-6}$	$2.023 \cdot 10^{-6}$	0

$HH \to zz$	$-1.537 \cdot 10^{-17}$	$-1.537 \cdot 10^{-17}$	0	0.6679	0.6679	0
$HW^+ \to \gamma t\bar{b}$	$-5.083 \cdot 10^{-7}$	$-5.083 \cdot 10^{-7}$	0	$1.558 \cdot 10^{-6}$	$1.558 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	$-5.119 \cdot 10^{-8}$	$-5.119 \cdot 10^{-8}$	0	$7.566 \cdot 10^{-7}$	$7.566 \cdot 10^{-7}$	0
$HW^- \to \gamma e^- \bar{\nu}_e$	$7.723 \cdot 10^{-9}$	$7.723 \cdot 10^{-9}$	0	$6.902 \cdot 10^{-8}$	$6.902 \cdot 10^{-8}$	0
$H\gamma \to b\bar{b}$	$-5.251 \cdot 10^{-10}$	$-5.251 \cdot 10^{-10}$	0	0.00666	0.00666	0
$H\gamma \to c\bar{c}$	$-1.61 \cdot 10^{-9}$	$-1.61 \cdot 10^{-9}$	0	0.01823	0.01823	0
$H\gamma \to d\bar{d}$	$-3.86 \cdot 10^{-15}$	$-3.86 \cdot 10^{-15}$	0	0.009602	0.009602	0
$H\gamma \to e^+ e^-$	$3.018 \cdot 10^{-18}$	$3.018 \cdot 10^{-18}$	0	0.005127	0.005127	0
$H\gamma \to t\bar{t}$	-0.0001284	-0.0001284	0	0.01715	0.01715	0
$Hz \to \mu^+ \mu^-$	$-2.241 \cdot 10^{-7}$	$-2.241 \cdot 10^{-7}$	0	0.002998	0.002998	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.807 \cdot 10^{-20}$	$1.807 \cdot 10^{-20}$	0	0.002123	0.002123	0
$Hz \to b\bar{b}$	$1.502 \cdot 10^{-7}$	$1.502 \cdot 10^{-7}$	0	0.004158	0.004158	0
$Hz \to s\bar{s}$	$-3.152 \cdot 10^{-7}$	$-3.152 \cdot 10^{-7}$	0	0.0067	0.0067	0
$Hz \to t\bar{t}$	$6.796 \cdot 10^{-7}$	$6.796 \cdot 10^{-7}$	0	0.003921	0.003921	0
$Hz \to u\bar{u}$	$-6.154 \cdot 10^{-7}$	$-6.154 \cdot 10^{-7}$	0	0.006504	0.006504	0
$W^+ W^- \to Hb\bar{b}$	$-3.199 \cdot 10^{-8}$	$-3.199 \cdot 10^{-8}$	0	$1.333 \cdot 10^{-8}$	$1.333 \cdot 10^{-8}$	0
$W^+ W^- \to Hc\bar{c}$	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	0	$1.336 \cdot 10^{-5}$	$1.336 \cdot 10^{-5}$	0
$W^+ W^- \to Hd\bar{d}$	$2.98 \cdot 10^{-10}$	$2.98 \cdot 10^{-10}$	0	$9.796 \cdot 10^{-8}$	$9.796 \cdot 10^{-8}$	0
$W^+ W^- \to Ht\bar{t}$	$9.402 \cdot 10^{-8}$	$9.402 \cdot 10^{-8}$	0	$2.709 \cdot 10^{-7}$	$2.709 \cdot 10^{-7}$	0
$W^+ W^- \to W^+ W^-$	$7.059 \cdot 10^{-15}$	$7.059 \cdot 10^{-15}$	0	0.01347	0.01347	0
$W^+ W^- \to \gamma\gamma$	$5.22 \cdot 10^{-17}$	$5.22 \cdot 10^{-17}$	0	0.0899	0.0899	0
$W^+ W^- \to \gamma\gamma\gamma$	$-6.535 \cdot 10^{-8}$	$-6.535 \cdot 10^{-8}$	0	$1.262 \cdot 10^{-7}$	$1.262 \cdot 10^{-7}$	0
$\gamma W^+ \to zW^+$	$-3.264 \cdot 10^{-16}$	$-3.264 \cdot 10^{-16}$	0	0.4348	0.4348	0
$b\bar{b} \to \gamma\gamma$	$-8.707 \cdot 10^{-24}$	$-8.707 \cdot 10^{-24}$	0	$2.152 \cdot 10^{-6}$	$2.152 \cdot 10^{-6}$	0
$zz \to W^+ W^-$	$9.055 \cdot 10^{-16}$	$9.055 \cdot 10^{-16}$	0	0.1671	0.1671	0
$zz \to zz$	$-5.012 \cdot 10^{-17}$	$-5.012 \cdot 10^{-17}$	0	0.2492	0.2492	0

2.14   cHWtil

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HH \to Hzz$	$-1.468 \cdot 10^{-6}$	$-1.468 \cdot 10^{-6}$	0	$1.305 \cdot 10^{-6}$	$1.305 \cdot 10^{-6}$	0
$HH \to W^+W^-$	$-9.895 \cdot 10^{-16}$	$-9.895 \cdot 10^{-16}$	0	7.764	7.764	0
$HH \to W^+W^-\gamma$	$8.209 \cdot 10^{-7}$	$8.209 \cdot 10^{-7}$	0	0.0001097	0.0001097	0
$HH \to W^+\bar{t}b$	$7.557 \cdot 10^{-7}$	$7.557 \cdot 10^{-7}$	0	$3.267 \cdot 10^{-6}$	$3.267 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$-1.275 \cdot 10^{-7}$	$-1.275 \cdot 10^{-7}$	0	$9.902 \cdot 10^{-7}$	$9.902 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	$-1.684 \cdot 10^{-6}$	$-1.684 \cdot 10^{-6}$	0	$2.636 \cdot 10^{-5}$	$2.636 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$-2.413 \cdot 10^{-7}$	$-2.413 \cdot 10^{-7}$	0	$1.577 \cdot 10^{-5}$	$1.577 \cdot 10^{-5}$	0
$HH \to z\nu_e\bar{\nu}_e$	$2.25 \cdot 10^{-7}$	$2.25 \cdot 10^{-7}$	0	$7.335 \cdot 10^{-7}$	$7.335 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	$-5.336 \cdot 10^{-9}$	$-5.336 \cdot 10^{-9}$	0	$3.292 \cdot 10^{-7}$	$3.292 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	$5.219 \cdot 10^{-6}$	$5.219 \cdot 10^{-6}$	0	$2.343 \cdot 10^{-5}$	$2.343 \cdot 10^{-5}$	0
$HH \to ze^+e^-$	$-3.942 \cdot 10^{-8}$	$-3.942 \cdot 10^{-8}$	0	$1.578 \cdot 10^{-7}$	$1.578 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	$1.801 \cdot 10^{-6}$	$1.801 \cdot 10^{-6}$	0	$1.27 \cdot 10^{-6}$	$1.27 \cdot 10^{-6}$	0
$HH \to zz$	$-6.614 \cdot 10^{-17}$	$-6.614 \cdot 10^{-17}$	0	2.197	2.197	0
$HW^+ \to \gamma t\bar{b}$	$1.967 \cdot 10^{-7}$	$1.967 \cdot 10^{-7}$	0	$2.128 \cdot 10^{-7}$	$2.128 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$5.773 \cdot 10^{-8}$	$5.773 \cdot 10^{-8}$	0	$3.838 \cdot 10^{-7}$	$3.838 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	$4.138 \cdot 10^{-13}$	$4.138 \cdot 10^{-13}$	0	0.1004	0.1004	0
$HW^- \to \bar{t}b$	0.0003128	0.0003128	0	0.07816	0.07816	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-2.545 \cdot 10^{-9}$	$-2.545 \cdot 10^{-9}$	0	$4.176 \cdot 10^{-7}$	$4.176 \cdot 10^{-7}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	$1.09 \cdot 10^{-12}$	$1.09 \cdot 10^{-12}$	0	0.01722	0.01722	0
$H\gamma \to b\bar{b}$	$2.467 \cdot 10^{-9}$	$2.467 \cdot 10^{-9}$	0	0.01175	0.01175	0
$H\gamma \to c\bar{c}$	$4.343 \cdot 10^{-11}$	$4.343 \cdot 10^{-11}$	0	0.009084	0.009084	0
$H\gamma \to d\bar{d}$	$-1.081 \cdot 10^{-15}$	$-1.081 \cdot 10^{-15}$	0	0.009647	0.009647	0
$H\gamma \to e^+e^-$	$-8.992 \cdot 10^{-16}$	$-8.992 \cdot 10^{-16}$	0	0.005853	0.005853	0
$H\gamma \to t\bar{t}$	-0.0002962	-0.0002962	0	0.01507	0.01507	0
$Hz \to \mu^+\mu^-$	$4.289 \cdot 10^{-7}$	$4.289 \cdot 10^{-7}$	0	0.01133	0.01133	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$7.228 \cdot 10^{-20}$	$7.228 \cdot 10^{-20}$	0	0.006719	0.006719	0
$Hz \to b\bar{b}$	$-2.178 \cdot 10^{-7}$	$-2.178 \cdot 10^{-7}$	0	0.02336	0.02336	0

	interference			square		
$Hz \to s\bar{s}$	$-3.25 \cdot 10^{-7}$	$-3.25 \cdot 10^{-7}$	0	0.02806	0.02806	0
$Hz \to t\bar{t}$	$-2.119 \cdot 10^{-5}$	$-2.119 \cdot 10^{-5}$	0	0.03105	0.03105	0
$Hz \to u\bar{u}$	$6.213 \cdot 10^{-7}$	$6.213 \cdot 10^{-7}$	0	0.02728	0.02728	0
$W^+W^- \to Hb\bar{b}$	$-2.528 \cdot 10^{-9}$	$-2.528 \cdot 10^{-9}$	0	$5.767 \cdot 10^{-9}$	$5.767 \cdot 10^{-9}$	0
$W^+W^- \to Hc\bar{c}$	$1.428 \cdot 10^{-8}$	$1.428 \cdot 10^{-8}$	0	$4.625 \cdot 10^{-9}$	$4.625 \cdot 10^{-9}$	0
$W^+W^- \to Hd\bar{d}$	$-7.965 \cdot 10^{-8}$	$-7.965 \cdot 10^{-8}$	0	$3.409 \cdot 10^{-7}$	$3.409 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$1.12 \cdot 10^{-6}$	$1.12 \cdot 10^{-6}$	0	$1.707 \cdot 10^{-5}$	$1.707 \cdot 10^{-5}$	0
$W^+W^- \to W^+W^-$	$1.265 \cdot 10^{-14}$	$1.265 \cdot 10^{-14}$	0	1.842	1.842	0
$W^+W^- \to \gamma\gamma$	$3.687 \cdot 10^{-17}$	$3.687 \cdot 10^{-17}$	0	0.02503	0.02503	0
$W^+W^- \to \gamma\gamma\gamma$	$-2.966 \cdot 10^{-9}$	$-2.966 \cdot 10^{-9}$	0	$5.648 \cdot 10^{-9}$	$5.648 \cdot 10^{-9}$	0
$\gamma W^+ \to zW^+$	$-4.765 \cdot 10^{-15}$	$-4.765 \cdot 10^{-15}$	0	0.2286	0.2286	0
$b\bar{b} \to \gamma\gamma$	$-4.852 \cdot 10^{-24}$	$-4.852 \cdot 10^{-24}$	0	$6.558 \cdot 10^{-7}$	$6.558 \cdot 10^{-7}$	0
$zz \to W^+W^-$	$6.564 \cdot 10^{-16}$	$6.564 \cdot 10^{-16}$	0	1.42	1.42	0
$zz \to zz$	$1.55 \cdot 10^{-17}$	$1.55 \cdot 10^{-17}$	0	0.9555	0.9555	0

2.15 cHbq

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-9.605 \cdot 10^{-7}$	$-9.605 \cdot 10^{-7}$	0	$1.33 \cdot 10^{-5}$	$1.33 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	-0.03382	-0.03382	0	0.8205	0.8205	0
$W^+W^- \to Hb\bar{b}$	$-2.762 \cdot 10^{-8}$	$-2.762 \cdot 10^{-8}$	0	$3.668 \cdot 10^{-7}$	$3.668 \cdot 10^{-7}$	0
$b\bar{b} \to \mu^+\mu^-$	$1.522 \cdot 10^{-5}$	$1.522 \cdot 10^{-5}$	0	$3.508 \cdot 10^{-6}$	$3.508 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-6.937 \cdot 10^{-6}$	$-6.937 \cdot 10^{-6}$	0	$1.353 \cdot 10^{-6}$	$1.353 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	0.002666	0.002666	0	0.0004159	0.0004159	0
$b\bar{b} \to d\bar{d}$	$-7.609 \cdot 10^{-5}$	$-7.609 \cdot 10^{-5}$	0	$3.671 \cdot 10^{-5}$	$3.671 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.0001313	-0.0001313	0	$5.717 \cdot 10^{-6}$	$5.717 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	-0.0001073	-0.0001073	0	$5.686 \cdot 10^{-6}$	$5.686 \cdot 10^{-6}$	0

2.16 cHd

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
$HH \to zd\bar{d}$	$-1.077 \cdot 10^{-6}$	$-1.077 \cdot 10^{-6}$	0	$3.256 \cdot 10^{-6}$	$3.256 \cdot 10^{-6}$	0
$Hz \to s\bar{s}$	-0.03907	-0.03907	0	0.9147	0.9147	0
$W^+W^- \to Hd\bar{d}$	$-2.604 \cdot 10^{-8}$	$-2.604 \cdot 10^{-8}$	0	$3.685 \cdot 10^{-7}$	$3.685 \cdot 10^{-7}$	0
$b\bar{b} \to d\bar{d}$	$-3.075 \cdot 10^{-5}$	$-3.075 \cdot 10^{-5}$	0	$9.47 \cdot 10^{-6}$	$9.47 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$-3.697 \cdot 10^{-5}$	$-3.697 \cdot 10^{-5}$	0	$8.084 \cdot 10^{-6}$	$8.084 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	-0.0001057	-0.0001057	0	$4.844 \cdot 10^{-6}$	$4.844 \cdot 10^{-6}$	0
$d\bar{d} \to s\bar{s}$	$-5.471 \cdot 10^{-5}$	$-5.471 \cdot 10^{-5}$	0	$1.059 \cdot 10^{-5}$	$1.059 \cdot 10^{-5}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$-2.522 \cdot 10^{-5}$	$-2.522 \cdot 10^{-5}$	0	$4.909 \cdot 10^{-6}$	$4.909 \cdot 10^{-6}$	0
$s\bar{s} \to s\bar{s}$	0.01457	0.01457	0	0.002042	0.002042	0
$t\bar{t} \to d\bar{d}$	$-9.714 \cdot 10^{-5}$	$-9.714 \cdot 10^{-5}$	0	$5.104 \cdot 10^{-6}$	$5.104 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	$6.344 \cdot 10^{-5}$	$6.344 \cdot 10^{-5}$	0	$2.374 \cdot 10^{-5}$	$2.374 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	0.000196	0.000196	0	0.0001766	0.0001766	0

2.17 cHe

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
$HH \to ze^+e^-$	$-2.469 \cdot 10^{-7}$	$-2.469 \cdot 10^{-7}$	0	$6.545 \cdot 10^{-8}$	$6.545 \cdot 10^{-8}$	0
$Hz \to \mu^+\mu^-$	-0.04478	-0.04478	0	0.3494	0.3494	0
$\mu^+\mu^- \to \tau^+\tau^-$	$6.604 \cdot 10^{-5}$	$6.604 \cdot 10^{-5}$	0	$2.421 \cdot 10^{-5}$	$2.421 \cdot 10^{-5}$	0
$b\bar{b} \to \mu^+\mu^-$	$-6.504 \cdot 10^{-5}$	$-6.504 \cdot 10^{-5}$	0	$1.03 \cdot 10^{-5}$	$1.03 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	$3.459 \cdot 10^{-5}$	$3.459 \cdot 10^{-5}$	0	$6.271 \cdot 10^{-6}$	$6.271 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$-3.107 \cdot 10^{-5}$	$-3.107 \cdot 10^{-5}$	0	$3.252 \cdot 10^{-6}$	$3.252 \cdot 10^{-6}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.01593	-0.01593	0	0.001034	0.001034	0
$e^+\nu_e \to e^+\nu_e$	-0.02912	-0.02912	0	0.00189	0.00189	0

$e^+\tau^- \to e^+\tau^-$	0.001331	0.001331	0	$4.647 \cdot 10^{-5}$	$4.647 \cdot 10^{-5}$	0
$e^+e^- \to \mu^+\mu^-$	0.0001166	0.0001166	0	$2.419 \cdot 10^{-5}$	$2.419 \cdot 10^{-5}$	0
$e^+e^- \to e^+e^-$	0.002416	0.002416	0	$8.317 \cdot 10^{-5}$	$8.317 \cdot 10^{-5}$	0
$t\bar{t} \to \tau^+\tau^-$	$7.636 \cdot 10^{-5}$	$7.636 \cdot 10^{-5}$	0	$9.394 \cdot 10^{-6}$	$9.394 \cdot 10^{-6}$	0

2.18 cHj1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zc\bar{c}$	$-5.495 \cdot 10^{-6}$	$-5.495 \cdot 10^{-6}$	0	$1.835 \cdot 10^{-5}$	$1.835 \cdot 10^{-5}$	0
$HH \to zd\bar{d}$	$1.079 \cdot 10^{-6}$	$1.079 \cdot 10^{-6}$	0	$5.26 \cdot 10^{-7}$	$5.26 \cdot 10^{-7}$	0
$Hz \to s\bar{s}$	0.2104	0.2104	0	0.9083	0.9083	0
$Hz \to u\bar{u}$	-0.1139	-0.1139	0	0.603	0.603	0
$W^+W^- \to Hc\bar{c}$	$-3.278 \cdot 10^{-7}$	$-3.278 \cdot 10^{-7}$	0	$8.29 \cdot 10^{-8}$	$8.29 \cdot 10^{-8}$	0
$W^+W^- \to Hd\bar{d}$	0.003747	0.003747	0	0.0001356	0.0001356	0
$b\bar{b} \to d\bar{d}$	$6.463 \cdot 10^{-5}$	$6.463 \cdot 10^{-5}$	0	$2.817 \cdot 10^{-6}$	$2.817 \cdot 10^{-6}$	0
$b\bar{b} \to u\bar{u}$	-0.0002391	-0.0002391	0	$9.086 \cdot 10^{-6}$	$9.086 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^+\mu^-$	$-1.472 \cdot 10^{-5}$	$-1.472 \cdot 10^{-5}$	0	$3.007 \cdot 10^{-6}$	$3.007 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	-0.0002419	-0.0002419	0	$1.565 \cdot 10^{-6}$	$1.565 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	$5.452 \cdot 10^{-5}$	$5.452 \cdot 10^{-5}$	0	$3.068 \cdot 10^{-6}$	$3.068 \cdot 10^{-6}$	0
$d\bar{d} \to s\bar{s}$	0.0006187	0.0006187	0	$4.03 \cdot 10^{-5}$	$4.03 \cdot 10^{-5}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0.0006421	0.0006421	0	$2.305 \cdot 10^{-5}$	$2.305 \cdot 10^{-5}$	0
$s\bar{s} \to s\bar{s}$	-0.06685	-0.06685	0	0.00205	0.00205	0
$t\bar{t} \to c\bar{c}$	-0.0001453	-0.0001453	0	$6.914 \cdot 10^{-6}$	$6.914 \cdot 10^{-6}$	0
$t\bar{t} \to d\bar{d}$	0.0002036	0.0002036	0	$7.257 \cdot 10^{-6}$	$7.257 \cdot 10^{-6}$	0
$t\bar{t} \to s\bar{s}$	0.0009901	0.0009901	0	$2.77 \cdot 10^{-5}$	$2.77 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	0.0001025	0.0001025	0	$9.638 \cdot 10^{-6}$	$9.638 \cdot 10^{-6}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-1.359 \cdot 10^{-5}$	$-1.359 \cdot 10^{-5}$	0	$5.981 \cdot 10^{-7}$	$5.981 \cdot 10^{-7}$	0
$u\bar{u} \to c\bar{c}$	-0.002322	-0.002322	0	0.0001228	0.0001228	0

| $u\bar{u} \to u\bar{u}$ | 0.009766 | 0.009766 | 0 | 0.0001235 | 0.0001235 | 0 |

2.19 cHj3

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^- u\bar{d}$	$2.802 \cdot 10^{-6}$	$2.802 \cdot 10^{-6}$	0		$3.479 \cdot 10^{-6}$	$3.479 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$9.995 \cdot 10^{-7}$	$9.995 \cdot 10^{-7}$	0		$1.456 \cdot 10^{-6}$	$1.456 \cdot 10^{-6}$	0
$HH \to zd\bar{d}$	$1.34 \cdot 10^{-6}$	$1.34 \cdot 10^{-6}$	0		$2.691 \cdot 10^{-7}$	$2.691 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$1.494 \cdot 10^{-7}$	$1.494 \cdot 10^{-7}$	0		$1.098 \cdot 10^{-7}$	$1.098 \cdot 10^{-7}$	0
$HW^+ \to u\bar{d}$	0.4368	0.4368	0		2.077	2.077	0
$Hz \to s\bar{s}$	0.2211	0.2211	0		0.9548	0.9548	0
$Hz \to u\bar{u}$	0.1788	0.1788	0		0.9467	0.9467	0
$W^+W^- \to Hc\bar{c}$	$2.102 \cdot 10^{-7}$	$2.102 \cdot 10^{-7}$	0		$7.822 \cdot 10^{-7}$	$7.822 \cdot 10^{-7}$	0
$W^+W^- \to Hd\bar{d}$	$-1.402 \cdot 10^{-6}$	$-1.402 \cdot 10^{-6}$	0		$1.407 \cdot 10^{-6}$	$1.407 \cdot 10^{-6}$	0
$\bar{b}t \to \bar{d}u$	0.00146	0.00146	0		$4.424 \cdot 10^{-5}$	$4.424 \cdot 10^{-5}$	0
$b\bar{b} \to d\bar{d}$	0.0006359	0.0006359	0		$2.07 \cdot 10^{-5}$	$2.07 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	0.001302	0.001302	0		$4.507 \cdot 10^{-5}$	$4.507 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	$1.339 \cdot 10^{-5}$	$1.339 \cdot 10^{-5}$	0		$3.018 \cdot 10^{-6}$	$3.018 \cdot 10^{-6}$	0
$c\bar{s} \to \tau^+\nu_\tau$	0.001461	0.001461	0		$4.428 \cdot 10^{-5}$	$4.428 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	0.0007667	0.0007667	0		$4.925 \cdot 10^{-5}$	$4.925 \cdot 10^{-5}$	0
$d\bar{d} \to e^+e^-$	$4.831 \cdot 10^{-5}$	$4.831 \cdot 10^{-5}$	0		$4.084 \cdot 10^{-6}$	$4.084 \cdot 10^{-6}$	0
$d\bar{d} \to s\bar{s}$	0.002702	0.002702	0		0.0001747	0.0001747	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0.000504	0.000504	0		$1.81 \cdot 10^{-5}$	$1.81 \cdot 10^{-5}$	0
$s\bar{s} \to s\bar{s}$	-0.09373	-0.09373	0		0.01028	0.01028	0
$t\bar{t} \to c\bar{c}$	0.000711	0.000711	0		$1.886 \cdot 10^{-5}$	$1.886 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	0.0004463	0.0004463	0		$1.308 \cdot 10^{-5}$	$1.308 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	$5.545 \cdot 10^{-5}$	$5.545 \cdot 10^{-5}$	0		$5.853 \cdot 10^{-6}$	$5.853 \cdot 10^{-6}$	0
$u\bar{d} \to \mu^+\nu_\mu$	0.0003178	0.0003178	0		$9.635 \cdot 10^{-6}$	$9.635 \cdot 10^{-6}$	0

	interference			square		
$u\bar{d} \to c\bar{s}$	0.0006724	0.0006724	0	$4.076 \cdot 10^{-5}$	$4.076 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	-0.00345	-0.00345	0	0.0001832	0.0001832	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	0.0004992	0.0004992	0	$2.197 \cdot 10^{-5}$	$2.197 \cdot 10^{-5}$	0
$u\bar{u} \to c\bar{c}$	0.0008988	0.0008988	0	$5.085 \cdot 10^{-5}$	$5.085 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	-0.006058	-0.006058	0	$8.079 \cdot 10^{-5}$	$8.079 \cdot 10^{-5}$	0

2.20 cHl1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\nu_e\bar{\nu}_e$	$-5.152 \cdot 10^{-7}$	$-5.152 \cdot 10^{-7}$	0	$6.471 \cdot 10^{-8}$	$6.471 \cdot 10^{-8}$	0
$HH \to ze^+e^-$	$7.377 \cdot 10^{-7}$	$7.377 \cdot 10^{-7}$	0	$1.494 \cdot 10^{-6}$	$1.494 \cdot 10^{-6}$	0
$Hz \to \mu^+\mu^-$	0.05119	0.05119	0	0.3502	0.3502	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	-0.0736	-0.0736	0	0.2683	0.2683	0
$\mu^+\mu^- \to \tau^+\tau^-$	-0.0002519	-0.0002519	0	$2.225 \cdot 10^{-5}$	$2.225 \cdot 10^{-5}$	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	-3.374	-3.374	0	0.2045	0.2045	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$-1.406 \cdot 10^{-6}$	$-1.406 \cdot 10^{-6}$	0	$8.521 \cdot 10^{-8}$	$8.521 \cdot 10^{-8}$	0
$b\bar{b} \to \mu^+\mu^-$	$-9.079 \cdot 10^{-6}$	$-9.079 \cdot 10^{-6}$	0	$6.553 \cdot 10^{-7}$	$6.553 \cdot 10^{-7}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-7.263 \cdot 10^{-5}$	$-7.263 \cdot 10^{-5}$	0	$2.202 \cdot 10^{-6}$	$2.202 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^+\mu^-$	$-6.921 \cdot 10^{-6}$	$-6.921 \cdot 10^{-6}$	0	$2.021 \cdot 10^{-6}$	$2.021 \cdot 10^{-6}$	0
$d\bar{d} \to e^+e^-$	0.0003781	0.0003781	0	$1.41 \cdot 10^{-5}$	$1.41 \cdot 10^{-5}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.001222	-0.001222	0	$5.765 \cdot 10^{-5}$	$5.765 \cdot 10^{-5}$	0
$e^+\nu_e \to e^+\nu_e$	-0.0006644	-0.0006644	0	$2.7 \cdot 10^{-5}$	$2.7 \cdot 10^{-5}$	0
$e^+\tau^- \to e^+\tau^-$	-0.001673	-0.001673	0	0.0001034	0.0001034	0
$e^+e^- \to \mu^+\mu^-$	-0.0004579	-0.0004579	0	$2.24 \cdot 10^{-5}$	$2.24 \cdot 10^{-5}$	0
$e^+e^- \to e^+e^-$	0.01017	0.01017	0	0.002976	0.002976	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-2.033 \cdot 10^{-5}$	$-2.033 \cdot 10^{-5}$	0	$6.163 \cdot 10^{-7}$	$6.163 \cdot 10^{-7}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-6.311 \cdot 10^{-5}$	$-6.311 \cdot 10^{-5}$	0	$1.913 \cdot 10^{-6}$	$1.913 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	0.0003335	0.0003335	0	$8.129 \cdot 10^{-6}$	$8.129 \cdot 10^{-6}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	-0.0003036	-0.0003036	0	$9.204 \cdot 10^{-6}$	$9.204 \cdot 10^{-6}$	0

2.21 cHl3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	-0.05362	-0.05362	0	0.003251	0.003251	0
$HH \to HHH$	$-2.468 \cdot 10^{-8}$	$-2.468 \cdot 10^{-8}$	0	$2.244 \cdot 10^{-9}$	$2.244 \cdot 10^{-9}$	0
$HH \to H\tau^+\tau^-$	$-3.662 \cdot 10^{-12}$	$-3.662 \cdot 10^{-12}$	0	$3.33 \cdot 10^{-13}$	$3.33 \cdot 10^{-13}$	0
$HH \to Hb\bar{b}$	$-6.936 \cdot 10^{-10}$	$-6.936 \cdot 10^{-10}$	0	$6.307 \cdot 10^{-11}$	$6.307 \cdot 10^{-11}$	0
$HH \to Hs\bar{s}$	$-1.165 \cdot 10^{-13}$	$-1.165 \cdot 10^{-13}$	0	$1.059 \cdot 10^{-14}$	$1.059 \cdot 10^{-14}$	0
$HH \to Ht\bar{t}$	$-6.028 \cdot 10^{-6}$	$-6.028 \cdot 10^{-6}$	0	$5.482 \cdot 10^{-7}$	$5.482 \cdot 10^{-7}$	0
$HH \to Hu\bar{u}$	$-1.441 \cdot 10^{-14}$	$-1.441 \cdot 10^{-14}$	0	$1.31 \cdot 10^{-15}$	$1.31 \cdot 10^{-15}$	0
$HH \to Hzz$	$-6.97 \cdot 10^{-6}$	$-6.97 \cdot 10^{-6}$	0	$6.338 \cdot 10^{-7}$	$6.338 \cdot 10^{-7}$	0
$HH \to W^+W^-$	-9.749	-9.749	0	2.672	2.672	0
$HH \to W^+W^-\gamma$	$-9.091 \cdot 10^{-7}$	$-9.091 \cdot 10^{-7}$	0	$8.346 \cdot 10^{-7}$	$8.346 \cdot 10^{-7}$	0
$HH \to W^+\bar{t}b$	$-2.127 \cdot 10^{-5}$	$-2.127 \cdot 10^{-5}$	0	$1.682 \cdot 10^{-5}$	$1.682 \cdot 10^{-5}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.048 \cdot 10^{-6}$	$1.048 \cdot 10^{-6}$	0	$6.648 \cdot 10^{-7}$	$6.648 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	$-5.917 \cdot 10^{-7}$	$-5.917 \cdot 10^{-7}$	0	$1.016 \cdot 10^{-7}$	$1.016 \cdot 10^{-7}$	0
$HH \to z\bar{b}b$	$-1.495 \cdot 10^{-6}$	$-1.495 \cdot 10^{-6}$	0	$1.603 \cdot 10^{-7}$	$1.603 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	$7.478 \cdot 10^{-7}$	$7.478 \cdot 10^{-7}$	0	$1.373 \cdot 10^{-6}$	$1.373 \cdot 10^{-6}$	0
$HH \to zc\bar{c}$	$-3.727 \cdot 10^{-7}$	$-3.727 \cdot 10^{-7}$	0	$4.838 \cdot 10^{-8}$	$4.838 \cdot 10^{-8}$	0
$HH \to zd\bar{d}$	$-1.578 \cdot 10^{-7}$	$-1.578 \cdot 10^{-7}$	0	$1.687 \cdot 10^{-8}$	$1.687 \cdot 10^{-8}$	0
$HH \to ze^+e^-$	$4.477 \cdot 10^{-8}$	$4.477 \cdot 10^{-8}$	0	$3.428 \cdot 10^{-9}$	$3.428 \cdot 10^{-9}$	0
$HH \to zt\bar{t}$	-0.0001075	-0.0001075	0	$1.094 \cdot 10^{-5}$	$1.094 \cdot 10^{-5}$	0
$HH \to zz$	-0.05173	-0.05173	0	0.003136	0.003136	0
$HW^+ \to \gamma t\bar{b}$	$-1.007 \cdot 10^{-6}$	$-1.007 \cdot 10^{-6}$	0	$1.018 \cdot 10^{-7}$	$1.018 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	$-3.903 \cdot 10^{-7}$	$-3.903 \cdot 10^{-7}$	0	$3.922 \cdot 10^{-8}$	$3.922 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	-0.001408	-0.001408	0	0.0001414	0.0001414	0
$HW^- \to \bar{t}b$	-0.3627	-0.3627	0	0.09574	0.09574	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$6.412 \cdot 10^{-7}$	$6.412 \cdot 10^{-7}$	0	$3.024 \cdot 10^{-6}$	$3.024 \cdot 10^{-6}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0.1455	0.1455	0	0.6774	0.6774	0

Process						
$H\gamma \to b\bar{b}$	$-1.14 \cdot 10^{-5}$	$-1.14 \cdot 10^{-5}$	0	$3.457 \cdot 10^{-7}$	$3.457 \cdot 10^{-7}$	0
$H\gamma \to c\bar{c}$	$-3.81 \cdot 10^{-6}$	$-3.81 \cdot 10^{-6}$	0	$1.155 \cdot 10^{-7}$	$1.155 \cdot 10^{-7}$	0
$H\gamma \to d\bar{d}$	$-1.109 \cdot 10^{-10}$	$-1.109 \cdot 10^{-10}$	0	$3.36 \cdot 10^{-12}$	$3.36 \cdot 10^{-12}$	0
$H\gamma \to e^+e^-$	$-4.407 \cdot 10^{-13}$	$-4.407 \cdot 10^{-13}$	0	$1.336 \cdot 10^{-14}$	$1.336 \cdot 10^{-14}$	0
$H\gamma \to t\bar{t}$	-0.06733	-0.06733	0	0.002041	0.002041	0
$Hz \to \mu^+\mu^-$	0.03427	0.03427	0	0.2291	0.2291	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0.01126	0.01126	0	0.04038	0.04038	0
$Hz \to b\bar{b}$	-0.003937	-0.003937	0	0.0003082	0.0003082	0
$Hz \to s\bar{s}$	-0.004215	-0.004215	0	0.0003285	0.0003285	0
$Hz \to t\bar{t}$	-0.4795	-0.4795	0	0.03316	0.03316	0
$Hz \to u\bar{u}$	-0.0005614	-0.0005614	0	$6.026 \cdot 10^{-5}$	$6.026 \cdot 10^{-5}$	0
$W^+W^- \to Hb\bar{b}$	$-9.11 \cdot 10^{-6}$	$-9.11 \cdot 10^{-6}$	0	$1.702 \cdot 10^{-6}$	$1.702 \cdot 10^{-6}$	0
$W^+W^- \to Hc\bar{c}$	$-4.864 \cdot 10^{-7}$	$-4.864 \cdot 10^{-7}$	0	$8.299 \cdot 10^{-8}$	$8.299 \cdot 10^{-8}$	0
$W^+W^- \to Hd\bar{d}$	$-4.906 \cdot 10^{-7}$	$-4.906 \cdot 10^{-7}$	0	$8.512 \cdot 10^{-8}$	$8.512 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$-2.102 \cdot 10^{-5}$	$-2.102 \cdot 10^{-5}$	0	$5.356 \cdot 10^{-6}$	$5.356 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	-6.33	-6.33	0	0.9493	0.9493	0
$\bar{b}t \to \bar{d}u$	$-3.853 \cdot 10^{-5}$	$-3.853 \cdot 10^{-5}$	0	$3.36 \cdot 10^{-6}$	$3.36 \cdot 10^{-6}$	0
$\gamma W^+ \to zW^+$	-0.03288	-0.03288	0	0.00187	0.00187	0
$\mu^+\mu^- \to \tau^+\tau^-$	$-9.584 \cdot 10^{-5}$	$-9.584 \cdot 10^{-5}$	0	$1.028 \cdot 10^{-5}$	$1.028 \cdot 10^{-5}$	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	$8.721 \cdot 10^{-19}$	$8.721 \cdot 10^{-19}$	0	$1.505 \cdot 10^{-35}$	$1.505 \cdot 10^{-35}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$3.599 \cdot 10^{-19}$	$3.599 \cdot 10^{-19}$	0	$3.197 \cdot 10^{-36}$	$3.197 \cdot 10^{-36}$	0
$b\bar{b} \to \mu^+\mu^-$	-0.0006059	-0.0006059	0	$4.335 \cdot 10^{-5}$	$4.335 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-3.339 \cdot 10^{-5}$	$-3.339 \cdot 10^{-5}$	0	$3.588 \cdot 10^{-6}$	$3.588 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	0.02128	0.02128	0	0.00033	0.00033	0
$b\bar{b} \to d\bar{d}$	$9.487 \cdot 10^{-6}$	$9.487 \cdot 10^{-6}$	0	$3.843 \cdot 10^{-7}$	$3.843 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	0.003606	0.003606	0	0.009232	0.009232	0
$b\bar{b} \to u\bar{u}$	-0.002239	-0.002239	0	0.0002109	0.0002109	0
$b\bar{t} \to e^-\bar{\nu}_e$	-0.002894	-0.002894	0	0.0001646	0.0001646	0
$c\bar{c} \to \mu^+\mu^-$	-0.0001296	-0.0001296	0	$1.103 \cdot 10^{-5}$	$1.103 \cdot 10^{-5}$	0

$c\bar{s} \to \tau^+ \nu_\tau$	-0.002847	-0.002847	0	0.000162	0.000162	0
$d\bar{d} \to c\bar{c}$	-0.002313	-0.002313	0	0.0002178	0.0002178	0
$d\bar{d} \to e^+ e^-$	$-3.293 \cdot 10^{-5}$	$-3.293 \cdot 10^{-5}$	0	$3.198 \cdot 10^{-6}$	$3.198 \cdot 10^{-6}$	0
$d\bar{d} \to s\bar{s}$	$-2.687 \cdot 10^{-5}$	$-2.687 \cdot 10^{-5}$	0	$3.264 \cdot 10^{-6}$	$3.264 \cdot 10^{-6}$	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	0.0009539	0.0009539	0	$5.43 \cdot 10^{-5}$	$5.43 \cdot 10^{-5}$	0
$e^+ \nu_e \to \mu^+ \nu_\mu$	-0.002054	-0.002054	0	$5.458 \cdot 10^{-5}$	$5.458 \cdot 10^{-5}$	0
$e^+ \nu_e \to e^+ \nu_e$	-0.1934	-0.1934	0	0.08871	0.08871	0
$e^+ \tau^- \to e^+ \tau^-$	-0.002281	-0.002281	0	0.0003558	0.0003558	0
$e^+ e^- \to \mu^+ \mu^-$	-0.0001208	-0.0001208	0	$2.404 \cdot 10^{-5}$	$2.404 \cdot 10^{-5}$	0
$e^+ e^- \to e^+ e^-$	-0.005827	-0.005827	0	0.0008487	0.0008487	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	-0.0004847	-0.0004847	0	$2.27 \cdot 10^{-5}$	$2.27 \cdot 10^{-5}$	0
$s\bar{s} \to s\bar{s}$	0.03068	0.03068	0	0.0005617	0.0005617	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.000116	0.000116	0	$8.81 \cdot 10^{-6}$	$8.81 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+ \tau^-$	$-1.089 \cdot 10^{-5}$	$-1.089 \cdot 10^{-5}$	0	$1.291 \cdot 10^{-6}$	$1.291 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	-0.003346	-0.003346	0	0.0003141	0.0003141	0
$t\bar{t} \to d\bar{d}$	-0.0005214	-0.0005214	0	$5.255 \cdot 10^{-5}$	$5.255 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	-0.001372	-0.001372	0	0.0001318	0.0001318	0
$t\bar{t} \to t\bar{t}$	0.1502	0.1502	0	0.01502	0.01502	0
$u\bar{d} \to \mu^+ \nu_\mu$	-0.002608	-0.002608	0	0.0001483	0.0001483	0
$u\bar{d} \to c\bar{s}$	-0.002536	-0.002536	0	0.0002212	0.0002212	0
$u\bar{d} \to u\bar{d}$	$2.951 \cdot 10^{-5}$	$2.951 \cdot 10^{-5}$	0	$9.472 \cdot 10^{-7}$	$9.472 \cdot 10^{-7}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$3.086 \cdot 10^{-5}$	$3.086 \cdot 10^{-5}$	0	$8.06 \cdot 10^{-6}$	$8.06 \cdot 10^{-6}$	0
$u\bar{u} \to c\bar{c}$	-0.00359	-0.00359	0	0.0003386	0.0003386	0
$u\bar{u} \to u\bar{u}$	0.02745	0.02745	0	0.0006114	0.0006114	0
$zz \to W^+ W^-$	-35.47	-35.47	0	3.772	3.772	0
$zz \to zz$	-0.01788	-0.01788	0	0.001084	0.001084	0

2.22   cHt

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	-0.0001561	-0.0001561	0	0.0001088	0.0001088	0
$Hz \to t\bar{t}$	-2.188	-2.188	0	1.105	1.105	0
$W^+W^- \to Ht\bar{t}$	$1.227 \cdot 10^{-5}$	$1.227 \cdot 10^{-5}$	0	$8.761 \cdot 10^{-7}$	$8.761 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	-0.001171	-0.001171	0	$1.187 \cdot 10^{-5}$	$1.187 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$2.561 \cdot 10^{-5}$	$2.561 \cdot 10^{-5}$	0	$4.04 \cdot 10^{-6}$	$4.04 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+ \tau^-$	$-4.434 \cdot 10^{-5}$	$-4.434 \cdot 10^{-5}$	0	$3.829 \cdot 10^{-6}$	$3.829 \cdot 10^{-6}$	0
$t\bar{t} \to c\bar{c}$	-0.0001889	-0.0001889	0	$3.219 \cdot 10^{-5}$	$3.219 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	$8.484 \cdot 10^{-5}$	$8.484 \cdot 10^{-5}$	0	$2.994 \cdot 10^{-5}$	$2.994 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	$1.579 \cdot 10^{-5}$	$1.579 \cdot 10^{-5}$	0	$3.849 \cdot 10^{-6}$	$3.849 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	-0.1768	-0.1768	0	0.01007	0.01007	0

2.23 cHtbIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-4.546 \cdot 10^{-7}$	$-4.546 \cdot 10^{-7}$	0	$8.373 \cdot 10^{-6}$	$8.373 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-1.124 \cdot 10^{-9}$	$-1.124 \cdot 10^{-9}$	0	$9.413 \cdot 10^{-8}$	$9.413 \cdot 10^{-8}$	0
$HW^- \to \bar{t}b$	$-7.891 \cdot 10^{-6}$	$-7.891 \cdot 10^{-6}$	0	0.3338	0.3338	0
$W^+W^- \to Hb\bar{b}$	$2.223 \cdot 10^{-8}$	$2.223 \cdot 10^{-8}$	0	$9.246 \cdot 10^{-7}$	$9.246 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$7.789 \cdot 10^{-9}$	$7.789 \cdot 10^{-9}$	0	$1.353 \cdot 10^{-9}$	$1.353 \cdot 10^{-9}$	0
$\bar{b}t \to \bar{d}u$	$5.598 \cdot 10^{-21}$	$5.598 \cdot 10^{-21}$	0	$6.76 \cdot 10^{-6}$	$6.76 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	$2.123 \cdot 10^{-21}$	$2.134 \cdot 10^{-21}$	-0.005543	0.001992	0.001992	0
$b\bar{t} \to e^- \bar{\nu}_e$	$-6.945 \cdot 10^{-23}$	$-6.945 \cdot 10^{-23}$	0	$2.11 \cdot 10^{-6}$	$2.11 \cdot 10^{-6}$	0

2.24 cHtbRe

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-3.107 \cdot 10^{-6}$	$-3.107 \cdot 10^{-6}$	0	$2.783 \cdot 10^{-5}$	$2.783 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$-3.822 \cdot 10^{-8}$	$-3.822 \cdot 10^{-8}$	0	$1.085 \cdot 10^{-7}$	$1.085 \cdot 10^{-7}$	0
$HW^- \to \bar{t}b$	-0.04875	-0.04875	0	0.1336	0.1336	0
$W^+W^- \to Hb\bar{b}$	$-9.395 \cdot 10^{-7}$	$-9.395 \cdot 10^{-7}$	0	$2.717 \cdot 10^{-6}$	$2.717 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$1.041 \cdot 10^{-7}$	$1.041 \cdot 10^{-7}$	0	$1.263 \cdot 10^{-9}$	$1.263 \cdot 10^{-9}$	0
$\bar{b}t \to \bar{d}u$	$-1.96 \cdot 10^{-6}$	$-1.96 \cdot 10^{-6}$	0	$2.999 \cdot 10^{-5}$	$2.999 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.0005491	-0.0005491	0	0.0005772	0.0005772	0
$b\bar{t} \to e^-\bar{\nu}_e$	$-6.534 \cdot 10^{-7}$	$-6.534 \cdot 10^{-7}$	0	$8.494 \cdot 10^{-6}$	$8.494 \cdot 10^{-6}$	0

2.25 cHu

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zc\bar{c}$	$4.512 \cdot 10^{-7}$	$4.512 \cdot 10^{-7}$	0	$1.456 \cdot 10^{-6}$	$1.456 \cdot 10^{-6}$	0
$Hz \to u\bar{u}$	0.08087	0.08087	0	0.9467	0.9467	0
$W^+W^- \to Hc\bar{c}$	$3.849 \cdot 10^{-8}$	$3.849 \cdot 10^{-8}$	0	$2.13 \cdot 10^{-7}$	$2.13 \cdot 10^{-7}$	0
$b\bar{b} \to u\bar{u}$	$6.754 \cdot 10^{-5}$	$6.754 \cdot 10^{-5}$	0	$1.667 \cdot 10^{-6}$	$1.667 \cdot 10^{-6}$	0
$c\bar{c} \to \mu^+\mu^-$	$-3.221 \cdot 10^{-5}$	$-3.221 \cdot 10^{-5}$	0	$3.539 \cdot 10^{-6}$	$3.539 \cdot 10^{-6}$	0
$d\bar{d} \to c\bar{c}$	$6.575 \cdot 10^{-5}$	$6.575 \cdot 10^{-5}$	0	$1.129 \cdot 10^{-5}$	$1.129 \cdot 10^{-5}$	0
$t\bar{t} \to c\bar{c}$	0.000144	0.000144	0	$5.52 \cdot 10^{-6}$	$5.52 \cdot 10^{-6}$	0
$u\bar{d} \to u\bar{d}$	0.0004691	0.0004691	0	0.0001133	0.0001133	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$2.417 \cdot 10^{-7}$	$2.417 \cdot 10^{-7}$	0	$2.353 \cdot 10^{-8}$	$2.353 \cdot 10^{-8}$	0
$u\bar{u} \to c\bar{c}$	0.0001672	0.0001672	0	$2.04 \cdot 10^{-5}$	$2.04 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	-0.003675	-0.003675	0	0.0001952	0.0001952	0

2.26 cHudIm

interference	square

	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HH \to W^- u\bar{d}$	$2.034 \cdot 10^{-26}$	$2.034 \cdot 10^{-26}$	$-1.377 \cdot 10^{-6}$	$2.981 \cdot 10^{-25}$	$2.981 \cdot 10^{-25}$	$-2.65 \cdot 10^{-6}$
$HW^+ \to \gamma u\bar{d}$	$8.852 \cdot 10^{-27}$	$8.852 \cdot 10^{-27}$	$-1.333 \cdot 10^{-6}$	$9.302 \cdot 10^{-28}$	$9.302 \cdot 10^{-28}$	$-2.666 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$3.735 \cdot 10^{-23}$	$3.735 \cdot 10^{-23}$	$-1.339 \cdot 10^{-6}$	$8.461 \cdot 10^{-21}$	$8.461 \cdot 10^{-21}$	$-2.671 \cdot 10^{-6}$
$W^+W^- \to Hc\bar{c}$	$-1.994 \cdot 10^{-18}$	$-1.994 \cdot 10^{-18}$	$5.016 \cdot 10^{-7}$	$2.526 \cdot 10^{-24}$	$2.526 \cdot 10^{-24}$	$9.502 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$4.748 \cdot 10^{-27}$	$4.748 \cdot 10^{-27}$	$-1.327 \cdot 10^{-6}$	$3.491 \cdot 10^{-36}$	$3.491 \cdot 10^{-36}$	$-2.664 \cdot 10^{-6}$
$\bar{b}t \to \bar{d}u$	$1.258 \cdot 10^{-37}$	$2.515 \cdot 10^{-37}$	-1	$4.227 \cdot 10^{-24}$	$4.227 \cdot 10^{-24}$	$-2.674 \cdot 10^{-6}$
$c\bar{s} \to \tau^+\nu_\tau$	$4.271 \cdot 10^{-32}$	$1.73 \cdot 10^{-31}$	-3.052	$1.47 \cdot 10^{-18}$	$1.47 \cdot 10^{-18}$	$9.523 \cdot 10^{-7}$
$u\bar{d} \to \mu^+\nu_\mu$	$2.519 \cdot 10^{-39}$	$3.096 \cdot 10^{-39}$	-0.2294	$2.313 \cdot 10^{-26}$	$2.313 \cdot 10^{-26}$	$-2.681 \cdot 10^{-6}$
$u\bar{d} \to c\bar{s}$	$-3.289 \cdot 10^{-32}$	$-2.741 \cdot 10^{-32}$	0.1666	$2.225 \cdot 10^{-16}$	$2.225 \cdot 10^{-16}$	$9.438 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-6.28 \cdot 10^{-37}$	$-7.656 \cdot 10^{-38}$	0.8781	$8.925 \cdot 10^{-24}$	$8.925 \cdot 10^{-24}$	$-2.667 \cdot 10^{-6}$

2.27 cHudRe

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HH \to W^- u\bar{d}$	$2.215 \cdot 10^{-24}$	$2.215 \cdot 10^{-24}$	$-1.354 \cdot 10^{-6}$	$4.04 \cdot 10^{-26}$	$4.04 \cdot 10^{-26}$	$-2.673 \cdot 10^{-6}$
$HW^+ \to \gamma u\bar{d}$	$-3.615 \cdot 10^{-26}$	$-3.615 \cdot 10^{-26}$	$-1.328 \cdot 10^{-6}$	$1.331 \cdot 10^{-26}$	$1.331 \cdot 10^{-26}$	$-2.629 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$-2.344 \cdot 10^{-19}$	$-2.344 \cdot 10^{-19}$	$-1.323 \cdot 10^{-6}$	$2.063 \cdot 10^{-20}$	$2.063 \cdot 10^{-20}$	$-2.666 \cdot 10^{-6}$
$W^+W^- \to Hc\bar{c}$	$-6.355 \cdot 10^{-17}$	$-6.355 \cdot 10^{-17}$	$4.72 \cdot 10^{-7}$	$4.939 \cdot 10^{-24}$	$4.939 \cdot 10^{-24}$	$9.517 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$2.525 \cdot 10^{-23}$	$2.525 \cdot 10^{-23}$	$-1.347 \cdot 10^{-6}$	$5.429 \cdot 10^{-35}$	$5.429 \cdot 10^{-35}$	$-2.671 \cdot 10^{-6}$
$\bar{b}t \to \bar{d}u$	$3.298 \cdot 10^{-21}$	$3.298 \cdot 10^{-21}$	$-1.334 \cdot 10^{-6}$	$4.983 \cdot 10^{-25}$	$4.983 \cdot 10^{-25}$	$-2.669 \cdot 10^{-6}$
$c\bar{s} \to \tau^+\nu_\tau$	$-4.004 \cdot 10^{-16}$	$-4.004 \cdot 10^{-16}$	$4.745 \cdot 10^{-7}$	$9.119 \cdot 10^{-17}$	$9.119 \cdot 10^{-17}$	$9.431 \cdot 10^{-7}$
$u\bar{d} \to \mu^+\nu_\mu$	$-3.037 \cdot 10^{-24}$	$-3.037 \cdot 10^{-24}$	$-1.35 \cdot 10^{-6}$	$4.397 \cdot 10^{-26}$	$4.397 \cdot 10^{-26}$	$-2.661 \cdot 10^{-6}$
$u\bar{d} \to c\bar{s}$	$-1.249 \cdot 10^{-15}$	$-1.249 \cdot 10^{-15}$	$4.803 \cdot 10^{-7}$	$1.032 \cdot 10^{-17}$	$1.032 \cdot 10^{-17}$	$9.688 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-9.531 \cdot 10^{-21}$	$-9.531 \cdot 10^{-21}$	$-1.333 \cdot 10^{-6}$	$7.792 \cdot 10^{-24}$	$7.792 \cdot 10^{-24}$	$-2.669 \cdot 10^{-6}$

2.28 cQQ1

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.001904	-0.001904	0		0.07699	0.07699	0
$b\bar{b} \to t\bar{t}$	-1.32	-1.32	0		2.513	2.513	0
$t\bar{t} \to t\bar{t}$	0.006041	0.006041	0		0.2309	0.2309	0

2.29 cQQ8

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.3718	-0.3718	$-2.69 \cdot 10^{-8}$		0.349	0.349	$-2.865 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	-3.517	-3.517	0		0.7278	0.7278	0
$t\bar{t} \to t\bar{t}$	-0.4184	-0.4184	0		0.9352	0.9352	$-2.139 \cdot 10^{-8}$

2.30 cQb1

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	0.2349	0.2349	0		2.018	2.018	0
$b\bar{b} \to t\bar{t}$	-0.01399	-0.01399	0		0.8638	0.8638	0

2.31 cQb8

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.2651	-0.2651	0		0.8313	0.8313	0
$b\bar{b} \to t\bar{t}$	0.04401	0.04401	0		0.008232	0.008232	0

2.32 cQd1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to d\bar{d}$	-0.0002714	-0.0002714	0	0.0187	0.0187	0
$t\bar{t} \to d\bar{d}$	-0.01003	-0.01003	0	0.5952	0.5952	0
$t\bar{t} \to s\bar{s}$	-0.002477	-0.002477	0	0.05531	0.05531	0

2.33 cQd8

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to d\bar{d}$	0.008607	0.008607	0	0.002901	0.002901	0
$t\bar{t} \to d\bar{d}$	0.1438	0.1438	0	0.0419	0.0419	0
$t\bar{t} \to s\bar{s}$	0.06586	0.06586	0	0.0156	0.0156	0

2.34 cQe

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to \mu^+\mu^-$	-0.006399	-0.006399	0	0.1467	0.1467	0
$t\bar{t} \to \tau^+\tau^-$	-0.004052	-0.004052	0	0.05594	0.05594	0

2.35 cQj11

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to d\bar{d}$	0.004574	0.004574	0	0.02089	0.02089	0

	interference				square		
$b\bar{b} \to u\bar{u}$	−0.1496	−0.1496	0		0.7317	0.7317	0
$t\bar{t} \to c\bar{c}$	0.01335	0.01335	0		0.0573	0.0573	0
$t\bar{t} \to d\bar{d}$	−0.0074	−0.0074	0		0.04044	0.04044	0
$t\bar{t} \to s\bar{s}$	−0.08684	−0.08684	0		0.429	0.429	0

2.36 cQj18

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.02208	0.02208	0	0.007449	0.007449	0
$b\bar{b} \to u\bar{u}$	0.1116	0.1116	0	0.03768	0.03768	0
$t\bar{t} \to c\bar{c}$	0.1169	0.1169	0	0.03283	0.03283	0
$t\bar{t} \to d\bar{d}$	0.1284	0.1284	0	0.03671	0.03671	0
$t\bar{t} \to s\bar{s}$	0.5831	0.5831	0	0.1902	0.1902	0

2.37 cQj31

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0.1357	0.1357	0	0.6413	0.6413	0
$b\bar{b} \to d\bar{d}$	0.1519	0.1519	0	0.6936	0.6936	0
$b\bar{b} \to u\bar{u}$	0.08011	0.08011	0	0.3918	0.3918	0
$t\bar{t} \to c\bar{c}$	0.003125	0.003125	0	0.01049	0.01049	0
$t\bar{t} \to d\bar{d}$	0.1904	0.1904	0	0.9355	0.9355	0
$t\bar{t} \to s\bar{s}$	0.0886	0.0886	0	0.4376	0.4376	0

2.38 cQj38

interference	square

	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$\bar{b}t \to \bar{d}u$	$1.517 \cdot 10^{-9}$	$2.675 \cdot 10^{-19}$	1	0.239	0.239	0
$b\bar{b} \to d\bar{d}$	0.269	0.269	0	0.09079	0.09079	0
$b\bar{b} \to u\bar{u}$	-0.5922	-0.5922	$-1.689 \cdot 10^{-8}$	0.1998	0.1998	0
$t\bar{t} \to c\bar{c}$	0.3992	0.3992	0	0.1281	0.1281	0
$t\bar{t} \to d\bar{d}$	-0.2732	-0.2732	0	0.08556	0.08556	0
$t\bar{t} \to s\bar{s}$	-0.02062	-0.02062	0	0.0003264	0.0003264	0

2.39 cQl1

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$b\bar{b} \to \mu^+\mu^-$	0.007173	0.007173	0	0.03777	0.03777	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	-0.04494	-0.04494	0	0.1924	0.1924	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.05561	0.05561	0	0.2965	0.2965	0
$t\bar{t} \to \tau^+\tau^-$	-0.03065	-0.03065	0	0.1282	0.1282	0

2.40 cQl3

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$b\bar{b} \to \mu^+\mu^-$	0.001123	0.001123	0	0.005911	0.005911	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.02092	0.02092	0	0.08958	0.08958	0
$b\bar{t} \to e^-\bar{\nu}_e$	0.2469	0.2469	0	1.167	1.167	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.009802	0.009802	0	0.05596	0.05596	0
$t\bar{t} \to \tau^+\tau^-$	0.01332	0.01332	0	0.05366	0.05366	0

2.41 cQt1

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b}\to t\bar{t}$	-0.09869	-0.09869	0		0.0293	0.0293	0
$t\bar{t}\to t\bar{t}$	-0.2111	-0.2111	0		8.661	8.661	0

2.42 cQt8

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b}\to t\bar{t}$	-0.1541	-0.1541	0		0.0009614	0.0009614	0
$t\bar{t}\to t\bar{t}$	-2.308	-2.308	0		2.182	2.182	0

2.43 cQtQb1Im

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b}\to t\bar{t}$	$-2.744\cdot10^{-18}$	$-2.71\cdot10^{-18}$	0.01238		1.202	1.202	0

2.44 cQtQb1Re

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b}\to t\bar{t}$	-0.005793	-0.005793	0		0.7237	0.7237	0

2.45 cQtQb8Im

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

| $b\bar{b} \to t\bar{t}$ | $7.821 \cdot 10^{-19}$ | $7.829 \cdot 10^{-19}$ | -0.0009627 | 0.09727 | 0.09727 | 0 |

2.46 cQtQb8Re

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to t\bar{t}$	0.005463	0.005463	0	0.09516	0.09516	0

2.47 cQtjd1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$6.007 \cdot 10^{-14}$	$6.007 \cdot 10^{-14}$	$-5.827 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$5.621 \cdot 10^{-27}$	$1.71 \cdot 10^{-26}$	-2.042	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$2.963 \cdot 10^{-24}$	$-5.932 \cdot 10^{-24}$	3.002	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$6.303 \cdot 10^{-7}$

2.48 cQtjd1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-3.581 \cdot 10^{-10}$	$-3.581 \cdot 10^{-10}$	$-5.865 \cdot 10^{-7}$	$1.799 \cdot 10^{-10}$	$1.799 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-7.096 \cdot 10^{-10}$	$-7.096 \cdot 10^{-10}$	$-5.778 \cdot 10^{-7}$	$3.601 \cdot 10^{-10}$	$3.601 \cdot 10^{-10}$	$-1.166 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-2.821 \cdot 10^{-7}$	$-2.821 \cdot 10^{-7}$	$3.19 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$1.428 \cdot 10^{-7}$	$6.303 \cdot 10^{-7}$

2.49 cQtjd8Im

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

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$\bar{b}t \to \bar{d}u$	$2.121 \cdot 10^{-27}$	$-2.68 \cdot 10^{-27}$	2.264	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.151 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$1.446 \cdot 10^{-27}$	$-6.434 \cdot 10^{-27}$	5.448	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-6.714 \cdot 10^{-25}$	$1.519 \cdot 10^{-24}$	3.263	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$

2.50 cQtjd8Re

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$\bar{b}t \to \bar{d}u$	$-1.34 \cdot 10^{-27}$	$-4.241 \cdot 10^{-27}$	-2.165	$3.997 \cdot 10^{-11}$	$3.997 \cdot 10^{-11}$	$-1.151 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-2.578 \cdot 10^{-11}$	$-2.578 \cdot 10^{-11}$	$-5.818 \cdot 10^{-7}$	$8.001 \cdot 10^{-11}$	$8.001 \cdot 10^{-11}$	$-1.175 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-3.313 \cdot 10^{-9}$	$-3.313 \cdot 10^{-9}$	$3.32 \cdot 10^{-7}$	$3.173 \cdot 10^{-8}$	$3.173 \cdot 10^{-8}$	$6.303 \cdot 10^{-7}$

2.51 cQu1

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$b\bar{b} \to u\bar{u}$	$7.676 \cdot 10^{-5}$	$7.676 \cdot 10^{-5}$	0	0.002674	0.002674	0
$t\bar{t} \to c\bar{c}$	0.005459	0.005459	0	0.07326	0.07326	0

2.52 cQu8

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$b\bar{b} \to u\bar{u}$	0.2279	0.2279	0	0.0769	0.0769	0
$t\bar{t} \to c\bar{c}$	0.294	0.294	0	0.09259	0.09259	0

2.53 cQujb1Im

	interference				square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$		mod1	mod2	$1 - \mathrm{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-8.255 \cdot 10^{-17}$	$-8.255 \cdot 10^{-17}$	$-7.268 \cdot 10^{-7}$		$2.394 \cdot 10^{-11}$	$2.394 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$2.323 \cdot 10^{-29}$	$3.293 \cdot 10^{-29}$	-0.4177		$1.897 \cdot 10^{-11}$	$1.897 \cdot 10^{-11}$	$-1.423 \cdot 10^{-6}$

2.54 cQujb1Re

	interference				square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$		mod1	mod2	$1 - \mathrm{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-5.32 \cdot 10^{-13}$	$-5.32 \cdot 10^{-13}$	$-7.331 \cdot 10^{-7}$		$2.806 \cdot 10^{-11}$	$2.806 \cdot 10^{-11}$	$-1.461 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-3.953 \cdot 10^{-13}$	$-3.953 \cdot 10^{-13}$	$-7.084 \cdot 10^{-7}$		$4.027 \cdot 10^{-11}$	$4.027 \cdot 10^{-11}$	$-1.44 \cdot 10^{-6}$

2.55 cQujb8Im

	interference				square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$		mod1	mod2	$1 - \mathrm{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-1.335 \cdot 10^{-16}$	$-1.335 \cdot 10^{-16}$	$-7.488 \cdot 10^{-7}$		$7.933 \cdot 10^{-12}$	$7.933 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$8.995 \cdot 10^{-30}$	$3.691 \cdot 10^{-30}$	0.5896		$8.673 \cdot 10^{-13}$	$8.673 \cdot 10^{-13}$	$-1.453 \cdot 10^{-6}$

2.56 cQujb8Re

	interference				square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$		mod1	mod2	$1 - \mathrm{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-6.227 \cdot 10^{-13}$	$-6.227 \cdot 10^{-13}$	$-7.226 \cdot 10^{-7}$		$4.76 \cdot 10^{-12}$	$4.76 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-1.471 \cdot 10^{-12}$	$-1.471 \cdot 10^{-12}$	$-7.478 \cdot 10^{-7}$		$1.179 \cdot 10^{-11}$	$1.179 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$

2.57 cW

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \rightarrow W^+W^-\gamma$	$5.155 \cdot 10^{-6}$	$5.155 \cdot 10^{-6}$	0	$1.124 \cdot 10^{-5}$	$1.124 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$2.58 \cdot 10^{-6}$	$2.58 \cdot 10^{-6}$	0	$2.177 \cdot 10^{-7}$	$2.177 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$-5.51 \cdot 10^{-9}$	$-5.51 \cdot 10^{-9}$	0	$8.107 \cdot 10^{-9}$	$8.107 \cdot 10^{-9}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$3.932 \cdot 10^{-9}$	$3.932 \cdot 10^{-9}$	0	$3.849 \cdot 10^{-9}$	$3.849 \cdot 10^{-9}$	0
$W^+W^- \rightarrow Hb\bar{b}$	$3.986 \cdot 10^{-8}$	$3.986 \cdot 10^{-8}$	0	$3.871 \cdot 10^{-7}$	$3.871 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$-2.271 \cdot 10^{-7}$	$-2.271 \cdot 10^{-7}$	0	$4.56 \cdot 10^{-7}$	$4.56 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$-5.027 \cdot 10^{-7}$	$-5.027 \cdot 10^{-7}$	0	$1.445 \cdot 10^{-6}$	$1.445 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-4.675 \cdot 10^{-7}$	$-4.675 \cdot 10^{-7}$	0	$2.933 \cdot 10^{-6}$	$2.933 \cdot 10^{-6}$	0
$W^+W^- \rightarrow W^+W^-$	0.07906	0.07906	0	0.9709	0.9709	0
$W^+W^- \rightarrow \gamma\gamma$	0.004666	0.004666	0	0.651	0.651	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	$9.289 \cdot 10^{-8}$	$9.289 \cdot 10^{-8}$	0	$1.492 \cdot 10^{-6}$	$1.492 \cdot 10^{-6}$	0
$\gamma W^+ \rightarrow zW^+$	0.006858	0.006858	0	0.4593	0.4593	0
$zz \rightarrow W^+W^-$	-0.02864	-0.02864	0	15.41	15.41	0

2.58 cWtil

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \rightarrow W^+W^-\gamma$	$-2.998 \cdot 10^{-6}$	$-2.998 \cdot 10^{-6}$	0	$1.124 \cdot 10^{-5}$	$1.124 \cdot 10^{-5}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$5.399 \cdot 10^{-8}$	$5.399 \cdot 10^{-8}$	0	$2.177 \cdot 10^{-7}$	$2.177 \cdot 10^{-7}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	$1.255 \cdot 10^{-8}$	$1.255 \cdot 10^{-8}$	0	$8.107 \cdot 10^{-9}$	$8.107 \cdot 10^{-9}$	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	$-1.132 \cdot 10^{-9}$	$-1.132 \cdot 10^{-9}$	0	$3.849 \cdot 10^{-9}$	$3.849 \cdot 10^{-9}$	0
$W^+W^- \rightarrow Hb\bar{b}$	$1.655 \cdot 10^{-7}$	$1.655 \cdot 10^{-7}$	0	$3.898 \cdot 10^{-7}$	$3.898 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hc\bar{c}$	$2.363 \cdot 10^{-8}$	$2.363 \cdot 10^{-8}$	0	$4.58 \cdot 10^{-7}$	$4.58 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Hd\bar{d}$	$4.846 \cdot 10^{-7}$	$4.846 \cdot 10^{-7}$	0	$1.446 \cdot 10^{-6}$	$1.446 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-4.659 \cdot 10^{-7}$	$-4.659 \cdot 10^{-7}$	0	$2.935 \cdot 10^{-6}$	$2.935 \cdot 10^{-6}$	0
$W^+W^- \rightarrow W^+W^-$	$-1.327 \cdot 10^{-13}$	$-1.273 \cdot 10^{-13}$	0.04053	0.9712	0.9712	0

	mod1	mod2			
$W^+W^- \to \gamma\gamma$	$-1.038 \cdot 10^{-16}$	$-1.092 \cdot 10^{-16}$	-0.05198	0.651	0.651	0
$W^+W^- \to \gamma\gamma\gamma$	$-5.849 \cdot 10^{-8}$	$-5.849 \cdot 10^{-8}$	0	$1.491 \cdot 10^{-6}$	$1.491 \cdot 10^{-6}$	0
$\gamma W^+ \to zW^+$	$-2.35 \cdot 10^{-16}$	$-3.535 \cdot 10^{-16}$	-0.504	0.4594	0.4594	0
$zz \to W^+W^-$	$-2.953 \cdot 10^{-13}$	$-2.953 \cdot 10^{-13}$	-0.00014	15.41	15.41	0

2.59 cbBIm

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$-5.756 \cdot 10^{-9}$	$-5.756 \cdot 10^{-9}$	0	$1.085 \cdot 10^{-6}$	$1.085 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$3.597 \cdot 10^{-8}$	$3.597 \cdot 10^{-8}$	0	$3.738 \cdot 10^{-6}$	$3.738 \cdot 10^{-6}$	0
$H\gamma \to b\bar{b}$	$1.398 \cdot 10^{-20}$	$1.398 \cdot 10^{-20}$	0	1.747	1.747	0
$Hz \to b\bar{b}$	$2.93 \cdot 10^{-6}$	$2.93 \cdot 10^{-6}$	0	0.1973	0.1973	0
$W^+W^- \to Hb\bar{b}$	$4.906 \cdot 10^{-10}$	$4.906 \cdot 10^{-10}$	0	$1.211 \cdot 10^{-8}$	$1.211 \cdot 10^{-8}$	0
$b\bar{b} \to \gamma\gamma$	$-6.486 \cdot 10^{-23}$	$-8.023 \cdot 10^{-23}$	-0.237	0.002028	0.002028	0
$b\bar{b} \to \mu^+\mu^-$	$-7.268 \cdot 10^{-20}$	$-7.268 \cdot 10^{-20}$	0	0.003152	0.003152	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$1.314 \cdot 10^{-20}$	$1.314 \cdot 10^{-20}$	0	0.0004661	0.0004661	0
$b\bar{b} \to b\bar{b}$	$1.145 \cdot 10^{-18}$	$1.172 \cdot 10^{-18}$	-0.02363	0.02186	0.02186	0
$b\bar{b} \to d\bar{d}$	$-1.43 \cdot 10^{-20}$	$-1.43 \cdot 10^{-20}$	0	0.0009908	0.0009908	0
$b\bar{b} \to t\bar{t}$	$2.732 \cdot 10^{-21}$	$2.732 \cdot 10^{-21}$	0	0.00346	0.00346	0
$b\bar{b} \to u\bar{u}$	$5.947 \cdot 10^{-21}$	$5.948 \cdot 10^{-21}$	-0.0001236	0.002072	0.002072	0

2.60 cbBRe

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$7.469 \cdot 10^{-8}$	$7.469 \cdot 10^{-8}$	0	$4.118 \cdot 10^{-6}$	$4.118 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$1.509 \cdot 10^{-7}$	$1.509 \cdot 10^{-7}$	0	$9.389 \cdot 10^{-6}$	$9.389 \cdot 10^{-6}$	0
$H\gamma \to b\bar{b}$	$-2.295 \cdot 10^{-6}$	$-2.295 \cdot 10^{-6}$	0	1.845	1.845	0

	interference			square		
$Hz \to b\bar{b}$	-0.0007012	-0.0007012	0	0.4438	0.4438	0
$W^+W^- \to Hb\bar{b}$	$7.302 \cdot 10^{-9}$	$7.302 \cdot 10^{-9}$	0	$7.796 \cdot 10^{-9}$	$7.796 \cdot 10^{-9}$	0
$b\bar{b} \to \gamma\gamma$	$8.128 \cdot 10^{-6}$	$8.128 \cdot 10^{-6}$	0	0.002028	0.002028	0
$b\bar{b} \to \mu^+\mu^-$	$5.805 \cdot 10^{-5}$	$5.805 \cdot 10^{-5}$	0	0.0007877	0.0007877	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-4.614 \cdot 10^{-6}$	$-4.614 \cdot 10^{-6}$	0	0.000495	0.000495	0
$b\bar{b} \to b\bar{b}$	0.0001329	0.0001329	0	0.01407	0.01407	0
$b\bar{b} \to d\bar{d}$	$-2.945 \cdot 10^{-6}$	$-2.945 \cdot 10^{-6}$	0	$7.53 \cdot 10^{-5}$	$7.53 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	0.0003752	0.0003752	0	0.002119	0.002119	0
$b\bar{b} \to u\bar{u}$	$5.379 \cdot 10^{-5}$	$5.379 \cdot 10^{-5}$	0	0.002565	0.002565	0

2.61 cbGIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	$1.727 \cdot 10^{-18}$	$2.91 \cdot 10^{-18}$	-0.6856	2.84	2.84	0
$b\bar{b} \to d\bar{d}$	$-4.595 \cdot 10^{-26}$	$-4.595 \cdot 10^{-26}$	$2.394 \cdot 10^{-7}$	0.03337	0.03337	0
$b\bar{b} \to t\bar{t}$	$-1.712 \cdot 10^{-19}$	$-1.71 \cdot 10^{-19}$	0.0011	0.01048	0.01048	0
$b\bar{b} \to u\bar{u}$	$-1.838 \cdot 10^{-25}$	$-2.298 \cdot 10^{-25}$	-0.25	0.03195	0.03195	0

2.62 cbGRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.0205	-0.0205	0	0.5489	0.5489	0
$b\bar{b} \to d\bar{d}$	-0.004666	-0.004666	0	0.03624	0.03624	0
$b\bar{b} \to t\bar{t}$	-0.003805	-0.003805	0	0.03888	0.03888	0
$b\bar{b} \to u\bar{u}$	-0.004666	-0.004666	0	0.02251	0.02251	0

2.63 cbHIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hb\bar{b}$	$-6.611 \cdot 10^{-11}$	$-6.611 \cdot 10^{-11}$	0	$2.989 \cdot 10^{-6}$	$2.989 \cdot 10^{-6}$	0
$HH \to W^+\bar{t}b$	$-7.221 \cdot 10^{-8}$	$-7.221 \cdot 10^{-8}$	0	$4.494 \cdot 10^{-6}$	$4.494 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$-2.383 \cdot 10^{-8}$	$-2.383 \cdot 10^{-8}$	0	$4.241 \cdot 10^{-6}$	$4.241 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-3.572 \cdot 10^{-9}$	$-3.572 \cdot 10^{-9}$	0	$4.856 \cdot 10^{-8}$	$4.856 \cdot 10^{-8}$	0
$HW^- \to \bar{t}b$	$-3.728 \cdot 10^{-6}$	$-3.728 \cdot 10^{-6}$	0	0.06291	0.06291	0
$H\gamma \to b\bar{b}$	$2.033 \cdot 10^{-20}$	$2.033 \cdot 10^{-20}$	0	0.0006852	0.0006852	0
$Hz \to b\bar{b}$	$-2.177 \cdot 10^{-9}$	$-2.177 \cdot 10^{-9}$	0	0.06142	0.06142	0
$W^+W^- \to Hb\bar{b}$	$4.129 \cdot 10^{-9}$	$4.129 \cdot 10^{-9}$	0	$9.459 \cdot 10^{-8}$	$9.459 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$1.109 \cdot 10^{-8}$	$1.109 \cdot 10^{-8}$	0	$2.667 \cdot 10^{-11}$	$2.667 \cdot 10^{-11}$	0
$b\bar{b} \to \mu^+\mu^-$	$-9.761 \cdot 10^{-28}$	$-9.761 \cdot 10^{-28}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
$b\bar{b} \to b\bar{b}$	$1.307 \cdot 10^{-20}$	$1.307 \cdot 10^{-20}$	0.0002988	$2.758 \cdot 10^{-6}$	$2.758 \cdot 10^{-6}$	0
$b\bar{b} \to d\bar{d}$	$-1.087 \cdot 10^{-29}$	$-1.749 \cdot 10^{-31}$	0.9839	$6.823 \cdot 10^{-13}$	$6.823 \cdot 10^{-13}$	0
$b\bar{b} \to t\bar{t}$	$-6.776 \cdot 10^{-21}$	$-7.906 \cdot 10^{-21}$	-0.1667	0.0008223	0.0008223	0
$b\bar{b} \to u\bar{u}$	$1.359 \cdot 10^{-30}$	$-5.697 \cdot 10^{-31}$	1.419	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0

2.64 cbHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hb\bar{b}$	$-1.562 \cdot 10^{-7}$	$-1.562 \cdot 10^{-7}$	0	$6.581 \cdot 10^{-6}$	$6.581 \cdot 10^{-6}$	0
$HH \to W^+\bar{t}b$	$-5.248 \cdot 10^{-7}$	$-5.248 \cdot 10^{-7}$	0	$3.064 \cdot 10^{-6}$	$3.064 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$-7.84 \cdot 10^{-8}$	$-7.84 \cdot 10^{-8}$	0	$4.185 \cdot 10^{-6}$	$4.185 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$9.933 \cdot 10^{-10}$	$9.933 \cdot 10^{-10}$	0	$8.358 \cdot 10^{-9}$	$8.358 \cdot 10^{-9}$	0
$HW^- \to \bar{t}b$	-0.01798	-0.01798	0	0.08195	0.08195	0
$H\gamma \to b\bar{b}$	-0.0009151	-0.0009151	0	0.001155	0.001155	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$Hz \to b\bar{b}$	-0.00248	-0.00248	0	0.06432	0.06432	0
$W^+W^- \to Hb\bar{b}$	$-1.142 \cdot 10^{-6}$	$-1.142 \cdot 10^{-6}$	0	$1.192 \cdot 10^{-7}$	$1.192 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$2.444 \cdot 10^{-9}$	$2.444 \cdot 10^{-9}$	0	$6.715 \cdot 10^{-12}$	$6.715 \cdot 10^{-12}$	0
$b\bar{b} \to \mu^+\mu^-$	$-9.162 \cdot 10^{-11}$	$-9.162 \cdot 10^{-11}$	0	$1.164 \cdot 10^{-10}$	$1.164 \cdot 10^{-10}$	0
$b\bar{b} \to b\bar{b}$	0.003853	0.003853	0	$4.937 \cdot 10^{-6}$	$4.937 \cdot 10^{-6}$	0
$b\bar{b} \to d\bar{d}$	$-5.395 \cdot 10^{-13}$	$-5.395 \cdot 10^{-13}$	0	$6.822 \cdot 10^{-13}$	$6.822 \cdot 10^{-13}$	0
$b\bar{b} \to t\bar{t}$	-0.0004185	-0.0004185	0	0.0008222	0.0008222	0
$b\bar{b} \to u\bar{u}$	$-1.15 \cdot 10^{-13}$	$-1.15 \cdot 10^{-13}$	0	$1.46 \cdot 10^{-13}$	$1.46 \cdot 10^{-13}$	0

2.65 cbWIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$3.613 \cdot 10^{-8}$	$3.613 \cdot 10^{-8}$	0	$7.936 \cdot 10^{-6}$	$7.936 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$-9.859 \cdot 10^{-9}$	$-9.859 \cdot 10^{-9}$	0	$9.897 \cdot 10^{-7}$	$9.897 \cdot 10^{-7}$	0
$HW^+ \to \gamma t\bar{b}$	$4.948 \cdot 10^{-8}$	$4.948 \cdot 10^{-8}$	0	$4.661 \cdot 10^{-6}$	$4.661 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	$-1.603 \cdot 10^{-6}$	$-1.603 \cdot 10^{-6}$	0	1.992	1.992	0
$H\gamma \to b\bar{b}$	$1.65 \cdot 10^{-19}$	$1.65 \cdot 10^{-19}$	0	0.6582	0.6582	0
$Hz \to b\bar{b}$	$-3.311 \cdot 10^{-6}$	$-3.311 \cdot 10^{-6}$	0	1.22	1.22	0
$W^+W^- \to Hb\bar{b}$	$4.905 \cdot 10^{-8}$	$4.905 \cdot 10^{-8}$	0	$1.95 \cdot 10^{-6}$	$1.95 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$2.336 \cdot 10^{-8}$	$2.336 \cdot 10^{-8}$	0	$1.413 \cdot 10^{-8}$	$1.413 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	$6.56 \cdot 10^{-19}$	$6.56 \cdot 10^{-19}$	0	0.01217	0.01217	0
$b\bar{b} \to \gamma\gamma$	$8.561 \cdot 10^{-23}$	$8.561 \cdot 10^{-23}$	0	0.000618	0.000618	0
$b\bar{b} \to \mu^+\mu^-$	$-1.875 \cdot 10^{-20}$	$-1.875 \cdot 10^{-20}$	0	0.001914	0.001914	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$1.203 \cdot 10^{-20}$	$1.203 \cdot 10^{-20}$	0	0.001577	0.001577	0
$b\bar{b} \to b\bar{b}$	$\color{blue}{2.575 \cdot 10^{-18}}$	$\color{blue}{2.584 \cdot 10^{-18}}$	$\color{blue}{-0.003525}$	0.07986	0.07986	0
$b\bar{b} \to d\bar{d}$	$1.174 \cdot 10^{-19}$	$1.174 \cdot 10^{-19}$	0	0.003196	0.003196	0
$b\bar{b} \to t\bar{t}$	$\color{blue}{-3.665 \cdot 10^{-19}}$	$\color{blue}{-3.684 \cdot 10^{-19}}$	$\color{blue}{-0.005201}$	1.839	1.839	0
$b\bar{b} \to u\bar{u}$	$2.503 \cdot 10^{-20}$	$2.503 \cdot 10^{-20}$	$2.936 \cdot 10^{-5}$	0.003189	0.003189	0

$b\bar{t} \to e^- \bar{\nu}_e$	$3.498 \cdot 10^{-20}$	$3.498 \cdot 10^{-20}$	0	0.004331	0.004331	0

2.66 cbWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-5.298 \cdot 10^{-7}$	$-5.298 \cdot 10^{-7}$	0	$6.273 \cdot 10^{-6}$	$6.273 \cdot 10^{-6}$	0
$HH \to z\bar{b}b$	$-1.04 \cdot 10^{-7}$	$-1.04 \cdot 10^{-7}$	0	$2.687 \cdot 10^{-7}$	$2.687 \cdot 10^{-7}$	0
$HW^+ \to \gamma t\bar{b}$	$1.143 \cdot 10^{-5}$	$1.143 \cdot 10^{-5}$	0	$4.894 \cdot 10^{-5}$	$4.894 \cdot 10^{-5}$	0
$HW^- \to \bar{t}b$	-0.003561	-0.003561	0	2.004	2.004	0
$H\gamma \to b\bar{b}$	$2.513 \cdot 10^{-6}$	$2.513 \cdot 10^{-6}$	0	0.2836	0.2836	0
$Hz \to b\bar{b}$	-0.00127	-0.00127	0	1.124	1.124	0
$W^+W^- \to Hb\bar{b}$	$-5.271 \cdot 10^{-9}$	$-5.271 \cdot 10^{-9}$	0	$1.547 \cdot 10^{-6}$	$1.547 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$-1.704 \cdot 10^{-7}$	$-1.704 \cdot 10^{-7}$	0	$1.659 \cdot 10^{-8}$	$1.659 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	-0.0002241	-0.0002241	0	0.01313	0.01313	0
$b\bar{b} \to \gamma\gamma$	$-6.324 \cdot 10^{-5}$	$-6.324 \cdot 10^{-5}$	0	0.0006183	0.0006183	0
$b\bar{b} \to \mu^+\mu^-$	$-1.967 \cdot 10^{-5}$	$-1.967 \cdot 10^{-5}$	0	0.0009899	0.0009899	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-3.183 \cdot 10^{-5}$	$-3.183 \cdot 10^{-5}$	0	0.002157	0.002157	0
$b\bar{b} \to b\bar{b}$	-0.002398	-0.002398	0	0.009124	0.009124	0
$b\bar{b} \to d\bar{d}$	-0.0001146	-0.0001146	0	0.006305	0.006305	0
$b\bar{b} \to t\bar{t}$	-0.01017	-0.01017	0	0.4441	0.4441	0
$b\bar{b} \to u\bar{u}$	$-1.346 \cdot 10^{-5}$	$-1.346 \cdot 10^{-5}$	0	$1.631 \cdot 10^{-5}$	$1.631 \cdot 10^{-5}$	0
$b\bar{t} \to e^- \bar{\nu}_e$	-0.0001255	-0.0001255	0	0.001056	0.001056	0

2.67 cbb

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-2.275	-2.275	0	4.634	4.634	0

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2.68 cbd1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.01213	0.01213	0		0.425	0.425	0

2.69 cbd8

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.2205	0.2205	0		0.0744	0.0744	0

2.70 cbe

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^{+}\mu^{-}$	0.0003525	0.0003525	0		0.004121	0.004121	0

2.71 cbj1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	-0.0002681	-0.0002681	0		0.0187	0.0187	0
$b\bar{b} \to u\bar{u}$	-0.001225	-0.001225	0		0.08727	0.08727	0

2.72 cbj8

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.01842	0.01842	0		0.006213	0.006213	0
$b\bar{b} \to u\bar{u}$	0.09215	0.09215	0		0.03109	0.03109	0

2.73 cbl

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	0.0112	0.0112	0	0.2633	0.2633	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.006212	0.006212	0	0.1443	0.1443	0

2.74 cbu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	-0.02833	-0.02833	0	0.4965	0.4965	0

2.75 cbu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	0.5922	0.5922	0	0.1998	0.1998	0

2.76 cdBIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zd\bar{d}$	$-3.496 \cdot 10^{-16}$	$-3.496 \cdot 10^{-16}$	$-5.721 \cdot 10^{-7}$	$1.312 \cdot 10^{-16}$	$1.312 \cdot 10^{-16}$	$-1.144 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HW^+ \to \gamma u\bar{d}$	$-2.108 \cdot 10^{-17}$	$-2.108 \cdot 10^{-17}$	$-6.166 \cdot 10^{-7}$	$2.871 \cdot 10^{-16}$	$2.871 \cdot 10^{-16}$	$-1.184 \cdot 10^{-6}$
$H\gamma \to d\bar{d}$	$1.237 \cdot 10^{-27}$	$1.237 \cdot 10^{-27}$	$-6.465 \cdot 10^{-7}$	$1.206 \cdot 10^{-9}$	$1.206 \cdot 10^{-9}$	$-1.16 \cdot 10^{-6}$
$Hz \to s\bar{s}$	$1.709 \cdot 10^{-11}$	$1.709 \cdot 10^{-11}$	$3.511 \cdot 10^{-7}$	$1.182 \cdot 10^{-7}$	$1.182 \cdot 10^{-7}$	$6.768 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$5.534 \cdot 10^{-14}$	$5.534 \cdot 10^{-14}$	$-5.963 \cdot 10^{-7}$	$8.976 \cdot 10^{-15}$	$8.976 \cdot 10^{-15}$	$-1.181 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$1.396 \cdot 10^{-29}$	$-3.243 \cdot 10^{-30}$	1.232	$4.698 \cdot 10^{-13}$	$4.698 \cdot 10^{-13}$	$-1.171 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$9.959 \cdot 10^{-29}$	$9.952 \cdot 10^{-29}$	0.0006326	$4.799 \cdot 10^{-13}$	$4.799 \cdot 10^{-13}$	$-1.188 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$-5.776 \cdot 10^{-27}$	$-5.776 \cdot 10^{-27}$	0	$2.003 \cdot 10^{-12}$	$2.003 \cdot 10^{-12}$	$-1.148 \cdot 10^{-6}$
$d\bar{d} \to s\bar{s}$	$-2.358 \cdot 10^{-26}$	$6.602 \cdot 10^{-26}$	3.8	$3.081 \cdot 10^{-10}$	$3.081 \cdot 10^{-10}$	$6.167 \cdot 10^{-7}$
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$4.782 \cdot 10^{-27}$	$4.782 \cdot 10^{-27}$	$-4.58 \cdot 10^{-6}$	$6.108 \cdot 10^{-12}$	$6.108 \cdot 10^{-12}$	$6.221 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$-2.098 \cdot 10^{-24}$	$-3.499 \cdot 10^{-24}$	-0.6673	$9.828 \cdot 10^{-9}$	$9.828 \cdot 10^{-9}$	$6.309 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$-1.506 \cdot 10^{-26}$	$-1.486 \cdot 10^{-26}$	0.0136	$2.595 \cdot 10^{-12}$	$2.595 \cdot 10^{-12}$	$-1.195 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.452 \cdot 10^{-23}$	$-1.418 \cdot 10^{-23}$	0.02395	$3.729 \cdot 10^{-10}$	$3.729 \cdot 10^{-10}$	$6.436 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-6.104 \cdot 10^{-27}$	$-6.104 \cdot 10^{-27}$	$-2.785 \cdot 10^{-6}$	$8.576 \cdot 10^{-13}$	$8.576 \cdot 10^{-13}$	$-1.178 \cdot 10^{-6}$

2.77 cdBRe

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to zd\bar{d}$	$3.011 \cdot 10^{-15}$	$3.011 \cdot 10^{-15}$	$-5.977 \cdot 10^{-7}$	$2.214 \cdot 10^{-16}$	$2.214 \cdot 10^{-16}$	$-1.174 \cdot 10^{-6}$
$HW^+ \to \gamma u\bar{d}$	$1.309 \cdot 10^{-18}$	$1.309 \cdot 10^{-18}$	$-6.11 \cdot 10^{-7}$	$6.829 \cdot 10^{-17}$	$6.829 \cdot 10^{-17}$	$-1.172 \cdot 10^{-6}$
$H\gamma \to d\bar{d}$	$-7.034 \cdot 10^{-20}$	$-7.034 \cdot 10^{-20}$	$-5.829 \cdot 10^{-7}$	$1.626 \cdot 10^{-9}$	$1.626 \cdot 10^{-9}$	$-1.169 \cdot 10^{-6}$
$Hz \to s\bar{s}$	$-8.345 \cdot 10^{-9}$	$-8.345 \cdot 10^{-9}$	$3.235 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	$1.225 \cdot 10^{-7}$	$6.529 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$9.345 \cdot 10^{-17}$	$9.345 \cdot 10^{-17}$	$-5.779 \cdot 10^{-7}$	$1.31 \cdot 10^{-18}$	$1.31 \cdot 10^{-18}$	$-1.221 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-5.903 \cdot 10^{-13}$	$-5.903 \cdot 10^{-13}$	$-5.76 \cdot 10^{-7}$	$7.129 \cdot 10^{-13}$	$7.129 \cdot 10^{-13}$	$-1.178 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$1.129 \cdot 10^{-12}$	$1.129 \cdot 10^{-12}$	$-6.198 \cdot 10^{-7}$	$2.537 \cdot 10^{-12}$	$2.537 \cdot 10^{-12}$	$-1.183 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$3.243 \cdot 10^{-13}$	$3.243 \cdot 10^{-13}$	$-5.859 \cdot 10^{-7}$	$1.816 \cdot 10^{-12}$	$1.816 \cdot 10^{-12}$	$-1.157 \cdot 10^{-6}$
$d\bar{d} \to s\bar{s}$	$-2.879 \cdot 10^{-10}$	$-2.879 \cdot 10^{-10}$	$3.127 \cdot 10^{-7}$	$1.842 \cdot 10^{-10}$	$1.842 \cdot 10^{-10}$	$6.514 \cdot 10^{-7}$
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-2.031 \cdot 10^{-10}$	$-2.031 \cdot 10^{-10}$	$2.954 \cdot 10^{-7}$	$1.878 \cdot 10^{-10}$	$1.878 \cdot 10^{-10}$	$5.858 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$2.85 \cdot 10^{-9}$	$2.85 \cdot 10^{-9}$	$3.157 \cdot 10^{-7}$	$3.313 \cdot 10^{-9}$	$3.313 \cdot 10^{-9}$	$6.34 \cdot 10^{-7}$

	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	$4.017 \cdot 10^{-12}$	$4.017 \cdot 10^{-12}$	$-5.725 \cdot 10^{-7}$		$2.549 \cdot 10^{-12}$	$2.549 \cdot 10^{-12}$	$-1.177 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$4.735 \cdot 10^{-9}$	$4.735 \cdot 10^{-9}$	$3.168 \cdot 10^{-7}$		$1.548 \cdot 10^{-10}$	$1.548 \cdot 10^{-10}$	$6.458 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-1.203 \cdot 10^{-11}$	$-1.203 \cdot 10^{-11}$	$-5.819 \cdot 10^{-7}$		$4.231 \cdot 10^{-11}$	$4.231 \cdot 10^{-11}$	$-1.182 \cdot 10^{-6}$

2.78 cdGIm

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	$8.028 \cdot 10^{-27}$	$8.015 \cdot 10^{-27}$	0.001682		$1.979 \cdot 10^{-12}$	$1.979 \cdot 10^{-12}$	$-1.162 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$2.428 \cdot 10^{-32}$	$6.393 \cdot 10^{-32}$	-1.633		$1.923 \cdot 10^{-11}$	$1.923 \cdot 10^{-11}$	$-1.196 \cdot 10^{-6}$
$d\bar{d} \to s\bar{s}$	$8.757 \cdot 10^{-26}$	$2.236 \cdot 10^{-26}$	0.7447		$3.927 \cdot 10^{-9}$	$3.927 \cdot 10^{-9}$	$6.112 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$6.264 \cdot 10^{-24}$	$9.303 \cdot 10^{-25}$	0.8515		$1.145 \cdot 10^{-7}$	$1.145 \cdot 10^{-7}$	$6.113 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$-2.941 \cdot 10^{-27}$	$-3.283 \cdot 10^{-27}$	-0.1163		$2.845 \cdot 10^{-11}$	$2.845 \cdot 10^{-11}$	$-1.16 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-5.173 \cdot 10^{-26}$	$-7.773 \cdot 10^{-26}$	-0.5025		$1.167 \cdot 10^{-8}$	$1.167 \cdot 10^{-8}$	$6.857 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$1.621 \cdot 10^{-25}$	$1.621 \cdot 10^{-25}$	$-5.552 \cdot 10^{-7}$		$1.193 \cdot 10^{-12}$	$1.193 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$

2.79 cdGRe

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-6.436 \cdot 10^{-7}$		$1.979 \cdot 10^{-12}$	$1.979 \cdot 10^{-12}$	$-1.162 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$-1.398 \cdot 10^{-10}$	$-1.398 \cdot 10^{-10}$	$-5.721 \cdot 10^{-7}$		$1.923 \cdot 10^{-11}$	$1.923 \cdot 10^{-11}$	$-1.196 \cdot 10^{-6}$
$d\bar{d} \to s\bar{s}$	$-5.56 \cdot 10^{-8}$	$-5.56 \cdot 10^{-8}$	$3.238 \cdot 10^{-7}$		$3.927 \cdot 10^{-9}$	$3.927 \cdot 10^{-9}$	$6.112 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$-2.223 \cdot 10^{-7}$	$-2.223 \cdot 10^{-7}$	$3.149 \cdot 10^{-7}$		$1.145 \cdot 10^{-7}$	$1.145 \cdot 10^{-7}$	$6.113 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$-1.567 \cdot 10^{-10}$	$-1.567 \cdot 10^{-10}$	$-5.745 \cdot 10^{-7}$		$2.845 \cdot 10^{-11}$	$2.845 \cdot 10^{-11}$	$-1.16 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-6.213 \cdot 10^{-8}$	$-6.213 \cdot 10^{-8}$	$3.058 \cdot 10^{-7}$		$1.167 \cdot 10^{-8}$	$1.167 \cdot 10^{-8}$	$6.857 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-1.4 \cdot 10^{-10}$	$-1.4 \cdot 10^{-10}$	$-6.427 \cdot 10^{-7}$		$1.193 \cdot 10^{-12}$	$1.193 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$

2.80 cdHIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hs\bar{s}$	$-3.978 \cdot 10^{-19}$	$-3.978 \cdot 10^{-19}$	$3.268 \cdot 10^{-7}$	$6.982 \cdot 10^{-13}$	$6.982 \cdot 10^{-13}$	$6.302 \cdot 10^{-7}$
$HH \to W^- u\bar{d}$	$-1.332 \cdot 10^{-15}$	$-1.332 \cdot 10^{-15}$	$-6.007 \cdot 10^{-7}$	$4.669 \cdot 10^{-15}$	$4.669 \cdot 10^{-15}$	$-1.157 \cdot 10^{-6}$
$HH \to zd\bar{d}$	$-1.096 \cdot 10^{-14}$	$-1.096 \cdot 10^{-14}$	$-5.474 \cdot 10^{-7}$	$5.134 \cdot 10^{-14}$	$5.134 \cdot 10^{-14}$	$-1.188 \cdot 10^{-6}$
$HW^+ \to \gamma u\bar{d}$	$3.261 \cdot 10^{-18}$	$3.261 \cdot 10^{-18}$	$-6.133 \cdot 10^{-7}$	$3.812 \cdot 10^{-18}$	$3.812 \cdot 10^{-18}$	$-1.181 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$-2.39 \cdot 10^{-13}$	$-2.39 \cdot 10^{-13}$	$-5.859 \cdot 10^{-7}$	$5.122 \cdot 10^{-11}$	$5.122 \cdot 10^{-11}$	$-1.171 \cdot 10^{-6}$
$H\gamma \to d\bar{d}$	$2.07 \cdot 10^{-27}$	$5.806 \cdot 10^{-28}$	0.7195	$7.358 \cdot 10^{-13}$	$7.358 \cdot 10^{-13}$	$-1.169 \cdot 10^{-6}$
$Hz \to s\bar{s}$	$4.35 \cdot 10^{-12}$	$4.35 \cdot 10^{-12}$	$2.989 \cdot 10^{-7}$	$5.39 \cdot 10^{-8}$	$5.39 \cdot 10^{-8}$	$6.308 \cdot 10^{-7}$
$W^+W^- \to Hc\bar{c}$	$-2.823 \cdot 10^{-13}$	$-2.823 \cdot 10^{-13}$	$3.188 \cdot 10^{-7}$	$1.078 \cdot 10^{-20}$	$1.078 \cdot 10^{-20}$	$6.492 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$1.945 \cdot 10^{-15}$	$1.945 \cdot 10^{-15}$	$-6.169 \cdot 10^{-7}$	$9.912 \cdot 10^{-17}$	$9.912 \cdot 10^{-17}$	$-1.17 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$2.893 \cdot 10^{-30}$	$2.191 \cdot 10^{-30}$	0.2424	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$-3.779 \cdot 10^{-32}$	$1.986 \cdot 10^{-32}$	1.526	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$8.012 \cdot 10^{-40}$	$8.216 \cdot 10^{-40}$	-0.02547	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
$d\bar{d} \to s\bar{s}$	$1.302 \cdot 10^{-34}$	$2.667 \cdot 10^{-34}$	-1.048	$3.893 \cdot 10^{-19}$	$3.893 \cdot 10^{-19}$	$-2.825 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$-3.215 \cdot 10^{-25}$	$-1.039 \cdot 10^{-24}$	-2.232	$3.991 \cdot 10^{-16}$	$3.991 \cdot 10^{-16}$	$6.264 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$-1.693 \cdot 10^{-27}$	$-1.498 \cdot 10^{-30}$	0.9991	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.831 \cdot 10^{-24}$	$-1.648 \cdot 10^{-24}$	0.09963	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$6.714 \cdot 10^{-36}$	$6.863 \cdot 10^{-36}$	-0.02228	$9.616 \cdot 10^{-23}$	$9.616 \cdot 10^{-23}$	$-1.175 \cdot 10^{-6}$

2.81 cdHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hs\bar{s}$	$-3.33 \cdot 10^{-12}$	$-3.33 \cdot 10^{-12}$	$3.003 \cdot 10^{-7}$	$3.319 \cdot 10^{-13}$	$3.319 \cdot 10^{-13}$	$6.327 \cdot 10^{-7}$
$HH \to W^- u\bar{d}$	$-8.038 \cdot 10^{-15}$	$-8.038 \cdot 10^{-15}$	$-5.847 \cdot 10^{-7}$	$7.203 \cdot 10^{-15}$	$7.203 \cdot 10^{-15}$	$-1.166 \cdot 10^{-6}$
$HH \to zd\bar{d}$	$6.749 \cdot 10^{-18}$	$6.749 \cdot 10^{-18}$	$-5.927 \cdot 10^{-7}$	$2.163 \cdot 10^{-15}$	$2.163 \cdot 10^{-15}$	$-1.156 \cdot 10^{-6}$

	interference			square		
$HW^+ \to \gamma u\bar{d}$	$3.672 \cdot 10^{-17}$	$3.672 \cdot 10^{-17}$	$-5.991 \cdot 10^{-7}$	$1.916 \cdot 10^{-18}$	$1.916 \cdot 10^{-18}$	$-1.149 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$-6.515 \cdot 10^{-12}$	$-6.515 \cdot 10^{-12}$	$-5.833 \cdot 10^{-7}$	$4.372 \cdot 10^{-11}$	$4.372 \cdot 10^{-11}$	$-1.167 \cdot 10^{-6}$
$H\gamma \to d\bar{d}$	$-3.335 \cdot 10^{-11}$	$-3.335 \cdot 10^{-11}$	$-5.997 \cdot 10^{-7}$	$1.011 \cdot 10^{-12}$	$1.011 \cdot 10^{-12}$	$-1.187 \cdot 10^{-6}$
$Hz \to s\bar{s}$	$4.27 \cdot 10^{-10}$	$4.27 \cdot 10^{-10}$	$3.044 \cdot 10^{-7}$	$1.743 \cdot 10^{-8}$	$1.743 \cdot 10^{-8}$	$6.309 \cdot 10^{-7}$
$W^+W^- \to Hc\bar{c}$	$9.15 \cdot 10^{-14}$	$9.15 \cdot 10^{-14}$	$3.169 \cdot 10^{-7}$	$2.424 \cdot 10^{-21}$	$2.424 \cdot 10^{-21}$	$6.189 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$-6.089 \cdot 10^{-17}$	$-6.089 \cdot 10^{-17}$	$-5.912 \cdot 10^{-7}$	$5.178 \cdot 10^{-17}$	$5.178 \cdot 10^{-17}$	$-1.159 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-1.295 \cdot 10^{-14}$	$-1.295 \cdot 10^{-14}$	$-6.176 \cdot 10^{-7}$	$3.933 \cdot 10^{-16}$	$3.933 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$-1.192 \cdot 10^{-15}$	$-1.192 \cdot 10^{-15}$	$-5.871 \cdot 10^{-7}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$-1.184 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$-6.507 \cdot 10^{-23}$	$-6.507 \cdot 10^{-23}$	$-5.84 \cdot 10^{-7}$	$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-1.174 \cdot 10^{-6}$
$d\bar{d} \to s\bar{s}$	$-1.289 \cdot 10^{-17}$	$-1.289 \cdot 10^{-17}$	$-1.552 \cdot 10^{-7}$	$7.787 \cdot 10^{-19}$	$7.787 \cdot 10^{-19}$	$-2.697 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$4.727 \cdot 10^{-8}$	$4.727 \cdot 10^{-8}$	$3.173 \cdot 10^{-7}$	$6.953 \cdot 10^{-16}$	$6.953 \cdot 10^{-16}$	$6.328 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$-2.09 \cdot 10^{-11}$	$-2.09 \cdot 10^{-11}$	$-5.741 \cdot 10^{-7}$	$6.323 \cdot 10^{-13}$	$6.323 \cdot 10^{-13}$	$-1.17 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-8.253 \cdot 10^{-9}$	$-8.253 \cdot 10^{-9}$	$3.15 \cdot 10^{-7}$	$2.507 \cdot 10^{-10}$	$2.507 \cdot 10^{-10}$	$6.381 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-1.753 \cdot 10^{-21}$	$-1.753 \cdot 10^{-21}$	$-6.277 \cdot 10^{-7}$	$9.443 \cdot 10^{-23}$	$9.443 \cdot 10^{-23}$	$-1.175 \cdot 10^{-6}$

2.82 cdWIm

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to W^- u\bar{d}$	$-6.945 \cdot 10^{-15}$	$-6.945 \cdot 10^{-15}$	$-5.759 \cdot 10^{-7}$	$2.552 \cdot 10^{-15}$	$2.552 \cdot 10^{-15}$	$-1.175 \cdot 10^{-6}$
$HH \to zd\bar{d}$	$-1.386 \cdot 10^{-14}$	$-1.386 \cdot 10^{-14}$	$-5.773 \cdot 10^{-7}$	$1.093 \cdot 10^{-15}$	$1.093 \cdot 10^{-15}$	$-1.189 \cdot 10^{-6}$
$HW^+ \to \gamma u\bar{d}$	$-5.885 \cdot 10^{-18}$	$-5.885 \cdot 10^{-18}$	$-5.777 \cdot 10^{-7}$	$3.687 \cdot 10^{-16}$	$3.687 \cdot 10^{-16}$	$-1.166 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$1.741 \cdot 10^{-15}$	$1.741 \cdot 10^{-15}$	$-6.317 \cdot 10^{-7}$	$1.476 \cdot 10^{-9}$	$1.476 \cdot 10^{-9}$	$-1.219 \cdot 10^{-6}$
$H\gamma \to d\bar{d}$	$-2.692 \cdot 10^{-27}$	$-2.692 \cdot 10^{-27}$	$-5.944 \cdot 10^{-7}$	$3.902 \cdot 10^{-10}$	$3.902 \cdot 10^{-10}$	$-1.179 \cdot 10^{-6}$
$Hz \to s\bar{s}$	$-2.54 \cdot 10^{-11}$	$-2.54 \cdot 10^{-11}$	$3.15 \cdot 10^{-7}$	$4.089 \cdot 10^{-7}$	$4.089 \cdot 10^{-7}$	$6.358 \cdot 10^{-7}$
$W^+W^- \to Hc\bar{c}$	$-8.234 \cdot 10^{-16}$	$-8.234 \cdot 10^{-16}$	$3.158 \cdot 10^{-7}$	$3.731 \cdot 10^{-19}$	$3.731 \cdot 10^{-19}$	$6.432 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$-2.135 \cdot 10^{-15}$	$-2.135 \cdot 10^{-15}$	$-5.62 \cdot 10^{-7}$	$1.725 \cdot 10^{-15}$	$1.725 \cdot 10^{-15}$	$-1.159 \cdot 10^{-6}$
$\bar{b}t \to \bar{d}u$	$3.634 \cdot 10^{-26}$	$3.661 \cdot 10^{-26}$	-0.007565	$9.284 \cdot 10^{-12}$	$9.284 \cdot 10^{-12}$	$-1.174 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$2.664 \cdot 10^{-28}$	$-1.402 \cdot 10^{-28}$	1.526	$4.29 \cdot 10^{-12}$	$4.29 \cdot 10^{-12}$	$-1.189 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{s} \to \tau^+\nu_\tau$	$9.565 \cdot 10^{-26}$	$7.789 \cdot 10^{-27}$	0.9186	$4.478 \cdot 10^{-10}$	$4.478 \cdot 10^{-10}$	$6.253 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$1.114 \cdot 10^{-28}$	$1.112 \cdot 10^{-28}$	0.001205	$4.615 \cdot 10^{-12}$	$4.615 \cdot 10^{-12}$	$-1.17 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$-5.457 \cdot 10^{-28}$	$-5.457 \cdot 10^{-28}$	$6.231 \cdot 10^{-7}$	$6.334 \cdot 10^{-13}$	$6.334 \cdot 10^{-13}$	$-1.168 \cdot 10^{-6}$
$d\bar{d} \to s\bar{s}$	$-1.078 \cdot 10^{-25}$	$-1.138 \cdot 10^{-25}$	-0.05484	$4.594 \cdot 10^{-10}$	$4.594 \cdot 10^{-10}$	$6.313 \cdot 10^{-7}$
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.63 \cdot 10^{-26}$	$5.629 \cdot 10^{-26}$	$1.245 \cdot 10^{-5}$	$2.628 \cdot 10^{-10}$	$2.628 \cdot 10^{-10}$	$6.47 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$-4.948 \cdot 10^{-23}$	$-5.199 \cdot 10^{-23}$	-0.05082	$1.12 \cdot 10^{-7}$	$1.12 \cdot 10^{-7}$	$6.249 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$-2.017 \cdot 10^{-26}$	$-2.036 \cdot 10^{-26}$	-0.009311	$4.434 \cdot 10^{-12}$	$4.434 \cdot 10^{-12}$	$-1.173 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.142 \cdot 10^{-24}$	$-1.035 \cdot 10^{-24}$	0.09381	$1.692 \cdot 10^{-10}$	$1.692 \cdot 10^{-10}$	$6.5 \cdot 10^{-7}$
$u\bar{d} \to \mu^+\nu_\mu$	$2.765 \cdot 10^{-27}$	$2.627 \cdot 10^{-27}$	0.05008	$3.015 \cdot 10^{-12}$	$3.015 \cdot 10^{-12}$	$-1.161 \cdot 10^{-6}$
$u\bar{d} \to c\bar{s}$	$-7.034 \cdot 10^{-27}$	$4.564 \cdot 10^{-27}$	1.649	$2.761 \cdot 10^{-9}$	$2.761 \cdot 10^{-9}$	$6.157 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$1.023 \cdot 10^{-25}$	$1.031 \cdot 10^{-25}$	-0.008406	$1.796 \cdot 10^{-11}$	$1.796 \cdot 10^{-11}$	$-1.169 \cdot 10^{-6}$

2.83 cdWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^-u\bar{d}$	$-5.548 \cdot 10^{-16}$	$-5.548 \cdot 10^{-16}$	$-5.768 \cdot 10^{-7}$	$6.196 \cdot 10^{-16}$	$6.196 \cdot 10^{-16}$	$-1.178 \cdot 10^{-6}$
$HH \to zd\bar{d}$	$5.455 \cdot 10^{-15}$	$5.455 \cdot 10^{-15}$	$-5.866 \cdot 10^{-7}$	$7.266 \cdot 10^{-16}$	$7.266 \cdot 10^{-16}$	$-1.17 \cdot 10^{-6}$
$HW^+ \to \gamma u\bar{d}$	$2.691 \cdot 10^{-17}$	$2.691 \cdot 10^{-17}$	$-5.946 \cdot 10^{-7}$	$2.403 \cdot 10^{-15}$	$2.403 \cdot 10^{-15}$	$-1.165 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$-4.597 \cdot 10^{-11}$	$-4.597 \cdot 10^{-11}$	$-5.656 \cdot 10^{-7}$	$1.335 \cdot 10^{-9}$	$1.335 \cdot 10^{-9}$	$-1.124 \cdot 10^{-6}$
$H\gamma \to d\bar{d}$	$3.883 \cdot 10^{-20}$	$3.883 \cdot 10^{-20}$	$-5.666 \cdot 10^{-7}$	$4.955 \cdot 10^{-10}$	$4.955 \cdot 10^{-10}$	$-1.171 \cdot 10^{-6}$
$Hz \to s\bar{s}$	$-1.512 \cdot 10^{-8}$	$-1.512 \cdot 10^{-8}$	$2.646 \cdot 10^{-7}$	$4.021 \cdot 10^{-7}$	$4.021 \cdot 10^{-7}$	$6.218 \cdot 10^{-7}$
$W^+W^- \to Hc\bar{c}$	$-2.545 \cdot 10^{-13}$	$-2.545 \cdot 10^{-13}$	$3.144 \cdot 10^{-7}$	$3.355 \cdot 10^{-19}$	$3.355 \cdot 10^{-19}$	$6.259 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$4.745 \cdot 10^{-15}$	$4.745 \cdot 10^{-15}$	$-5.901 \cdot 10^{-7}$	$7.494 \cdot 10^{-15}$	$7.494 \cdot 10^{-15}$	$-1.174 \cdot 10^{-6}$
$\bar{b}t \to \bar{d}u$	$-9.98 \cdot 10^{-12}$	$-9.98 \cdot 10^{-12}$	$-5.912 \cdot 10^{-7}$	$7.174 \cdot 10^{-12}$	$7.174 \cdot 10^{-12}$	$-1.171 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-3.925 \cdot 10^{-12}$	$-3.925 \cdot 10^{-12}$	$-5.86 \cdot 10^{-7}$	$4.221 \cdot 10^{-12}$	$4.221 \cdot 10^{-12}$	$-1.185 \cdot 10^{-6}$
$c\bar{s} \to \tau^+\nu_\tau$	$-1.139 \cdot 10^{-9}$	$-1.139 \cdot 10^{-9}$	$2.633 \cdot 10^{-7}$	$1 \cdot 10^{-9}$	$1 \cdot 10^{-9}$	$6 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$-3.651 \cdot 10^{-12}$	$-3.651 \cdot 10^{-12}$	$-5.752 \cdot 10^{-7}$	$4.45 \cdot 10^{-12}$	$4.45 \cdot 10^{-12}$	$-1.168 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$-7.726 \cdot 10^{-13}$	$-7.726 \cdot 10^{-13}$	$-5.954 \cdot 10^{-7}$	$1.201 \cdot 10^{-12}$	$1.201 \cdot 10^{-12}$	$-1.166 \cdot 10^{-6}$

$d\bar{d} \to s\bar{s}$	$-2.004 \cdot 10^{-9}$	$-2.004 \cdot 10^{-9}$	$2.994 \cdot 10^{-7}$	$1.091 \cdot 10^{-9}$	$1.091 \cdot 10^{-9}$	$6.417 \cdot 10^{-7}$
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$-3.68 \cdot 10^{-10}$	$-3.68 \cdot 10^{-10}$	$2.989 \cdot 10^{-7}$	$6.162 \cdot 10^{-10}$	$6.162 \cdot 10^{-10}$	$6.329 \cdot 10^{-7}$
$s\bar{s} \to s\bar{s}$	$-9.838 \cdot 10^{-9}$	$-9.838 \cdot 10^{-9}$	$3.151 \cdot 10^{-7}$	$1.952 \cdot 10^{-8}$	$1.952 \cdot 10^{-8}$	$6.149 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$-6.126 \cdot 10^{-12}$	$-6.126 \cdot 10^{-12}$	$-5.876 \cdot 10^{-7}$	$4.343 \cdot 10^{-12}$	$4.343 \cdot 10^{-12}$	$-1.174 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-5.528 \cdot 10^{-9}$	$-5.528 \cdot 10^{-9}$	$3.256 \cdot 10^{-7}$	$2.203 \cdot 10^{-10}$	$2.203 \cdot 10^{-10}$	$6.355 \cdot 10^{-7}$
$u\bar{d} \to \mu^+ \nu_\mu$	$-1.233 \cdot 10^{-12}$	$-1.233 \cdot 10^{-12}$	$-5.678 \cdot 10^{-7}$	$2.635 \cdot 10^{-12}$	$2.635 \cdot 10^{-12}$	$-1.139 \cdot 10^{-6}$
$u\bar{d} \to c\bar{s}$	$-1.097 \cdot 10^{-9}$	$-1.097 \cdot 10^{-9}$	$3.645 \cdot 10^{-7}$	$2.609 \cdot 10^{-9}$	$2.609 \cdot 10^{-9}$	$6.133 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$4.047 \cdot 10^{-10}$	$4.047 \cdot 10^{-10}$	$-5.931 \cdot 10^{-7}$	$6.266 \cdot 10^{-11}$	$6.266 \cdot 10^{-11}$	$-1.165 \cdot 10^{-6}$

2.84 cdd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to s\bar{s}$	0.04933	0.04933	0	3.458	3.458	0
$s\bar{s} \to s\bar{s}$	-0.02561	-0.02561	0	0.4122	0.4122	0

2.85 cdd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to s\bar{s}$	0.8859	0.8859	0	0.5979	0.5979	0
$s\bar{s} \to s\bar{s}$	-0.1478	-0.1478	$-1.353 \cdot 10^{-7}$	0.2385	0.2385	$-2.096 \cdot 10^{-7}$

2.86 ceBIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to ze^+e^-$	$-2.684 \cdot 10^{-19}$	$-2.684 \cdot 10^{-19}$	$-1.602 \cdot 10^{-6}$	$5.688 \cdot 10^{-19}$	$5.688 \cdot 10^{-19}$	$-3.217 \cdot 10^{-6}$

$HW^- \to \gamma e^- \bar{\nu}_e$	$-2.734 \cdot 10^{-18}$	$-2.734 \cdot 10^{-18}$	$-1.573 \cdot 10^{-6}$	$1.971 \cdot 10^{-17}$	$1.971 \cdot 10^{-17}$	$-3.247 \cdot 10^{-6}$
$H\gamma \to e^+ e^-$	$-5.777 \cdot 10^{-29}$	$-5.777 \cdot 10^{-29}$	$-1.61 \cdot 10^{-6}$	$3.907 \cdot 10^{-12}$	$3.907 \cdot 10^{-12}$	$-3.225 \cdot 10^{-6}$
$Hz \to \mu^+ \mu^-$	$-1.814 \cdot 10^{-11}$	$-1.814 \cdot 10^{-11}$	$-2.756 \cdot 10^{-7}$	$7.875 \cdot 10^{-9}$	$7.875 \cdot 10^{-9}$	$-5.714 \cdot 10^{-7}$
$\mu^+ \mu^- \to \tau^+ \tau^-$	$5.866 \cdot 10^{-24}$	$5.975 \cdot 10^{-24}$	-0.01859	$1.112 \cdot 10^{-7}$	$1.112 \cdot 10^{-7}$	$6.026 \cdot 10^{-6}$
$b\bar{b} \to \mu^+ \mu^-$	$-3.161 \cdot 10^{-27}$	$-1.625 \cdot 10^{-27}$	0.4859	$1.19 \cdot 10^{-10}$	$1.19 \cdot 10^{-10}$	$-5.881 \cdot 10^{-7}$
$c\bar{c} \to \mu^+ \mu^-$	$-1.244 \cdot 10^{-26}$	$-2.085 \cdot 10^{-26}$	-0.6764	$2.916 \cdot 10^{-10}$	$2.916 \cdot 10^{-10}$	$-5.487 \cdot 10^{-7}$
$d\bar{d} \to e^+ e^-$	$7.4 \cdot 10^{-31}$	$7.717 \cdot 10^{-31}$	-0.04286	$2.847 \cdot 10^{-15}$	$2.847 \cdot 10^{-15}$	$-3.231 \cdot 10^{-6}$
$e^+ \nu_\mu \to e^+ \nu_\mu$	$-2.364 \cdot 10^{-28}$	$-2.341 \cdot 10^{-28}$	0.009802	$1.171 \cdot 10^{-13}$	$1.171 \cdot 10^{-13}$	$-3.244 \cdot 10^{-6}$
$e^+ \nu_e \to e^+ \nu_e$	$6.066 \cdot 10^{-27}$	$6.067 \cdot 10^{-27}$	-0.0001285	$5.849 \cdot 10^{-14}$	$5.849 \cdot 10^{-14}$	$-3.214 \cdot 10^{-6}$
$e^+ \tau^- \to e^+ \tau^-$	$1.956 \cdot 10^{-16}$	$1.956 \cdot 10^{-16}$	$3.067 \cdot 10^{-6}$	$1.253 \cdot 10^{-6}$	$1.253 \cdot 10^{-6}$	$6.145 \cdot 10^{-6}$
$e^+ e^- \to \mu^+ \mu^-$	$-1.671 \cdot 10^{-27}$	$-2.687 \cdot 10^{-27}$	-0.6079	$2.708 \cdot 10^{-9}$	$2.708 \cdot 10^{-9}$	$-5.538 \cdot 10^{-7}$
$e^+ e^- \to e^+ e^-$	$3.123 \cdot 10^{-28}$	$3.089 \cdot 10^{-28}$	0.01081	$6.505 \cdot 10^{-13}$	$6.505 \cdot 10^{-13}$	$-3.213 \cdot 10^{-6}$
$t\bar{t} \to \tau^+ \tau^-$	$1.929 \cdot 10^{-22}$	$1.942 \cdot 10^{-22}$	-0.00642	$1.312 \cdot 10^{-7}$	$1.312 \cdot 10^{-7}$	$6.096 \cdot 10^{-6}$

2.87   ceBRe

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
$HH \to z e^+ e^-$	$-1.836 \cdot 10^{-19}$	$-1.836 \cdot 10^{-19}$	$-1.634 \cdot 10^{-6}$	$3.758 \cdot 10^{-19}$	$3.758 \cdot 10^{-19}$	$-3.22 \cdot 10^{-6}$
$HW^- \to \gamma e^- \bar{\nu}_e$	$-2.046 \cdot 10^{-17}$	$-2.046 \cdot 10^{-17}$	$-1.613 \cdot 10^{-6}$	$4.677 \cdot 10^{-18}$	$4.677 \cdot 10^{-18}$	$-3.207 \cdot 10^{-6}$
$H\gamma \to e^+ e^-$	$-1.712 \cdot 10^{-23}$	$-1.712 \cdot 10^{-23}$	$-1.577 \cdot 10^{-6}$	$3.836 \cdot 10^{-12}$	$3.836 \cdot 10^{-12}$	$-3.232 \cdot 10^{-6}$
$Hz \to \mu^+ \mu^-$	$-3.428 \cdot 10^{-10}$	$-3.428 \cdot 10^{-10}$	$-2.625 \cdot 10^{-7}$	$5.464 \cdot 10^{-8}$	$5.464 \cdot 10^{-8}$	$-5.673 \cdot 10^{-7}$
$\mu^+ \mu^- \to \tau^+ \tau^-$	$1.444 \cdot 10^{-6}$	$1.444 \cdot 10^{-6}$	$2.978 \cdot 10^{-6}$	$9.524 \cdot 10^{-7}$	$9.524 \cdot 10^{-7}$	$6.069 \cdot 10^{-6}$
$b\bar{b} \to \mu^+ \mu^-$	$9.025 \cdot 10^{-11}$	$9.025 \cdot 10^{-11}$	$-2.77 \cdot 10^{-7}$	$8.04 \cdot 10^{-11}$	$8.04 \cdot 10^{-11}$	$-5.722 \cdot 10^{-7}$
$c\bar{c} \to \mu^+ \mu^-$	$4.98 \cdot 10^{-10}$	$4.98 \cdot 10^{-10}$	$-2.812 \cdot 10^{-7}$	$4.022 \cdot 10^{-10}$	$4.022 \cdot 10^{-10}$	$-5.718 \cdot 10^{-7}$
$d\bar{d} \to e^+ e^-$	$1.708 \cdot 10^{-15}$	$1.708 \cdot 10^{-15}$	$-1.581 \cdot 10^{-6}$	$2.693 \cdot 10^{-15}$	$2.693 \cdot 10^{-15}$	$-3.194 \cdot 10^{-6}$
$e^+ \nu_\mu \to e^+ \nu_\mu$	$3.648 \cdot 10^{-14}$	$3.648 \cdot 10^{-14}$	$-1.59 \cdot 10^{-6}$	$1.699 \cdot 10^{-14}$	$1.699 \cdot 10^{-14}$	$-3.238 \cdot 10^{-6}$
$e^+ \nu_e \to e^+ \nu_e$	$1.419 \cdot 10^{-12}$	$1.419 \cdot 10^{-12}$	$-1.621 \cdot 10^{-6}$	$1.812 \cdot 10^{-12}$	$1.812 \cdot 10^{-12}$	$-3.2 \cdot 10^{-6}$
$e^+ \tau^- \to e^+ \tau^-$	$8.039 \cdot 10^{-7}$	$8.039 \cdot 10^{-7}$	$3.048 \cdot 10^{-6}$	$3.113 \cdot 10^{-7}$	$3.113 \cdot 10^{-7}$	$6.103 \cdot 10^{-6}$

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+e^- \to \mu^+\mu^-$	$4.281 \cdot 10^{-9}$	$4.281 \cdot 10^{-9}$	$-2.803 \cdot 10^{-7}$		$3.364 \cdot 10^{-9}$	$3.364 \cdot 10^{-9}$	$-5.647 \cdot 10^{-7}$
$e^+e^- \to e^+e^-$	$4.298 \cdot 10^{-13}$	$4.298 \cdot 10^{-13}$	$-1.605 \cdot 10^{-6}$		$1.458 \cdot 10^{-13}$	$1.458 \cdot 10^{-13}$	$-3.154 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$3.226 \cdot 10^{-7}$	$3.226 \cdot 10^{-7}$	$3.038 \cdot 10^{-6}$		$1.233 \cdot 10^{-7}$	$1.233 \cdot 10^{-7}$	$6.084 \cdot 10^{-6}$

2.88 ceHIm

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to H\tau^+\tau^-$	$1.789 \cdot 10^{-14}$	$1.789 \cdot 10^{-14}$	$3.075 \cdot 10^{-6}$		$5.168 \cdot 10^{-11}$	$5.168 \cdot 10^{-11}$	$6.095 \cdot 10^{-6}$
$HH \to W^+e^-\bar{\nu}_e$	$-3.046 \cdot 10^{-17}$	$-3.046 \cdot 10^{-17}$	$-1.608 \cdot 10^{-6}$		$1.073 \cdot 10^{-17}$	$1.073 \cdot 10^{-17}$	$-3.261 \cdot 10^{-6}$
$HH \to ze^+e^-$	$2.948 \cdot 10^{-18}$	$2.948 \cdot 10^{-18}$	$-1.628 \cdot 10^{-6}$		$8.969 \cdot 10^{-18}$	$8.969 \cdot 10^{-18}$	$-3.211 \cdot 10^{-6}$
$HW^- \to \gamma e^-\bar{\nu}_e$	$3.955 \cdot 10^{-19}$	$3.955 \cdot 10^{-19}$	$-1.618 \cdot 10^{-6}$		$1.494 \cdot 10^{-20}$	$1.494 \cdot 10^{-20}$	$-3.212 \cdot 10^{-6}$
$HW^- \to \mu^-\bar{\nu}_\mu$	$4.077 \cdot 10^{-11}$	$4.077 \cdot 10^{-11}$	$-2.943 \cdot 10^{-7}$		$8.805 \cdot 10^{-9}$	$8.805 \cdot 10^{-9}$	$-5.678 \cdot 10^{-7}$
$H\gamma \to e^+e^-$	$-3.549 \cdot 10^{-41}$	$2.524 \cdot 10^{-29}$	$7.113 \cdot 10^{11}$		$1.263 \cdot 10^{-14}$	$1.263 \cdot 10^{-14}$	$-3.247 \cdot 10^{-6}$
$Hz \to \mu^+\mu^-$	$1.011 \cdot 10^{-16}$	$1.011 \cdot 10^{-16}$	$-2.966 \cdot 10^{-7}$		$7.444 \cdot 10^{-9}$	$7.444 \cdot 10^{-9}$	$-5.642 \cdot 10^{-7}$
$\mu^+\mu^- \to \tau^+\tau^-$	$4.831 \cdot 10^{-29}$	$-6.792 \cdot 10^{-29}$	2.406		$7.277 \cdot 10^{-14}$	$7.277 \cdot 10^{-14}$	$2.762 \cdot 10^{-6}$
$b\bar{b} \to \mu^+\mu^-$	$1.524 \cdot 10^{-29}$	$9.758 \cdot 10^{-30}$	0.3595		$6.71 \cdot 10^{-14}$	$6.71 \cdot 10^{-14}$	$-5.663 \cdot 10^{-7}$
$c\bar{c} \to \mu^+\mu^-$	$2.361 \cdot 10^{-30}$	$2.367 \cdot 10^{-30}$	-0.00232		$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$-5.65 \cdot 10^{-7}$
$d\bar{d} \to e^+e^-$	$2.534 \cdot 10^{-39}$	$1.218 \cdot 10^{-39}$	0.5195		$1.959 \cdot 10^{-24}$	$1.959 \cdot 10^{-24}$	$-3.216 \cdot 10^{-6}$
$e^+\tau^- \to e^+\tau^-$	$-8.01 \cdot 10^{-28}$	$-8.01 \cdot 10^{-28}$	$8.739 \cdot 10^{-8}$		$1.594 \cdot 10^{-18}$	$1.594 \cdot 10^{-18}$	$1.443 \cdot 10^{-6}$
$e^+e^- \to \mu^+\mu^-$	$2.307 \cdot 10^{-36}$	$1.721 \cdot 10^{-37}$	0.9254		$6.017 \cdot 10^{-21}$	$6.017 \cdot 10^{-21}$	$-1.895 \cdot 10^{-6}$
$e^+e^- \to e^+e^-$	$1.486 \cdot 10^{-30}$	$-1.639 \cdot 10^{-31}$	1.11		$5.441 \cdot 10^{-25}$	$5.441 \cdot 10^{-25}$	$-3.216 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$4.053 \cdot 10^{-23}$	$6.406 \cdot 10^{-23}$	-0.5805		$3.052 \cdot 10^{-8}$	$3.052 \cdot 10^{-8}$	$6.095 \cdot 10^{-6}$

2.89 ceHRe

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to H\tau^+\tau^-$	$-9.734 \cdot 10^{-11}$	$-9.734 \cdot 10^{-11}$	$3.051 \cdot 10^{-6}$		$1.224 \cdot 10^{-10}$	$1.224 \cdot 10^{-10}$	$6.13 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$HH \to W^+ e^- \bar\nu_e$	$-6.184\cdot10^{-18}$	$-6.184\cdot10^{-18}$	$-1.601\cdot10^{-6}$	$3.03\cdot10^{-18}$	$3.03\cdot10^{-18}$	$-3.201\cdot10^{-6}$
$HH \to z e^+ e^-$	$-9.548\cdot10^{-19}$	$-9.548\cdot10^{-19}$	$-1.602\cdot10^{-6}$	$2.652\cdot10^{-18}$	$2.652\cdot10^{-18}$	$-3.242\cdot10^{-6}$
$HW^- \to \gamma e^- \bar\nu_e$	$-5.883\cdot10^{-18}$	$-5.883\cdot10^{-18}$	$-1.615\cdot10^{-6}$	$1.691\cdot10^{-19}$	$1.691\cdot10^{-19}$	$-3.193\cdot10^{-6}$
$HW^- \to \mu^- \bar\nu_\mu$	$-9.807\cdot10^{-10}$	$-9.807\cdot10^{-10}$	$-2.855\cdot10^{-7}$	$7.486\cdot10^{-9}$	$7.486\cdot10^{-9}$	$-5.744\cdot10^{-7}$
$H\gamma \to e^+ e^-$	$-7.062\cdot10^{-13}$	$-7.062\cdot10^{-13}$	$-1.614\cdot10^{-6}$	$2.141\cdot10^{-14}$	$2.141\cdot10^{-14}$	$-3.177\cdot10^{-6}$
$Hz \to \mu^+ \mu^-$	$1.76\cdot10^{-9}$	$1.76\cdot10^{-9}$	$-2.842\cdot10^{-7}$	$7.454\cdot10^{-9}$	$7.454\cdot10^{-9}$	$-5.769\cdot10^{-7}$
$\mu^+\mu^- \to \tau^+\tau^-$	$-2.415\cdot10^{-12}$	$-2.415\cdot10^{-12}$	$1.408\cdot10^{-6}$	$1.455\cdot10^{-13}$	$1.455\cdot10^{-13}$	$2.749\cdot10^{-6}$
$b\bar b \to \mu^+ \mu^-$	$-2.202\cdot10^{-12}$	$-2.202\cdot10^{-12}$	$-2.724\cdot10^{-7}$	$6.71\cdot10^{-14}$	$6.71\cdot10^{-14}$	$-5.663\cdot10^{-7}$
$c\bar c \to \mu^+ \mu^-$	$-2.054\cdot10^{-13}$	$-2.054\cdot10^{-13}$	$-2.921\cdot10^{-7}$	$6.195\cdot10^{-15}$	$6.195\cdot10^{-15}$	$-5.812\cdot10^{-7}$
$d\bar d \to e^+ e^-$	$-6.443\cdot10^{-23}$	$-6.443\cdot10^{-23}$	$-1.599\cdot10^{-6}$	$1.959\cdot10^{-24}$	$1.959\cdot10^{-24}$	$-3.216\cdot10^{-6}$
$e^+\tau^- \to e^+\tau^-$	$-5.42\cdot10^{-17}$	$-5.42\cdot10^{-17}$	$7.195\cdot10^{-7}$	$3.19\cdot10^{-18}$	$3.19\cdot10^{-18}$	$1.442\cdot10^{-6}$
$e^+e^- \to \mu^+\mu^-$	$-1.974\cdot10^{-19}$	$-1.974\cdot10^{-19}$	$-9.12\cdot10^{-7}$	$1.203\cdot10^{-20}$	$1.203\cdot10^{-20}$	$-1.911\cdot10^{-6}$
$e^+e^- \to e^+e^-$	$1.342\cdot10^{-13}$	$1.342\cdot10^{-13}$	$-1.639\cdot10^{-6}$	$8.18\cdot10^{-25}$	$8.18\cdot10^{-25}$	$-3.215\cdot10^{-6}$
$t\bar t \to \tau^+\tau^-$	$-1.011\cdot10^{-6}$	$-1.011\cdot10^{-6}$	$3.066\cdot10^{-6}$	$3.052\cdot10^{-8}$	$3.052\cdot10^{-8}$	$6.095\cdot10^{-6}$

2.90 ceWIm

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$HH \to W^+ e^- \bar\nu_e$	$-1.063\cdot10^{-18}$	$-1.063\cdot10^{-18}$	$-1.599\cdot10^{-6}$	$1.275\cdot10^{-18}$	$1.275\cdot10^{-18}$	$-3.215\cdot10^{-6}$
$HH \to z e^+ e^-$	$-4.863\cdot10^{-19}$	$-4.863\cdot10^{-19}$	$-1.625\cdot10^{-6}$	$1.866\cdot10^{-18}$	$1.866\cdot10^{-18}$	$-3.215\cdot10^{-6}$
$HW^- \to \gamma e^- \bar\nu_e$	$1.423\cdot10^{-18}$	$1.423\cdot10^{-18}$	$-1.616\cdot10^{-6}$	$4.929\cdot10^{-18}$	$4.929\cdot10^{-18}$	$-3.205\cdot10^{-6}$
$HW^- \to \mu^- \bar\nu_\mu$	$-2.145\cdot10^{-11}$	$-2.145\cdot10^{-11}$	$-2.798\cdot10^{-7}$	$8.57\cdot10^{-8}$	$8.57\cdot10^{-8}$	$-5.718\cdot10^{-7}$
$H\gamma \to e^+ e^-$	$3.189\cdot10^{-29}$	$3.189\cdot10^{-29}$	$-1.599\cdot10^{-6}$	$1.191\cdot10^{-12}$	$1.191\cdot10^{-12}$	$-3.275\cdot10^{-6}$
$Hz \to \mu^+ \mu^-$	$-3.286\cdot10^{-11}$	$-3.286\cdot10^{-11}$	$-2.739\cdot10^{-7}$	$2.584\cdot10^{-8}$	$2.584\cdot10^{-8}$	$-5.418\cdot10^{-7}$
$\mu^+\mu^- \to \tau^+\tau^-$	$3.206\cdot10^{-25}$	$-3.584\cdot10^{-25}$	2.118	$7.352\cdot10^{-8}$	$7.352\cdot10^{-8}$	$6.08\cdot10^{-6}$
$b\bar b \to \mu^+ \mu^-$	$1.471\cdot10^{-26}$	$1.123\cdot10^{-26}$	0.2368	$7.048\cdot10^{-10}$	$7.048\cdot10^{-10}$	$-5.675\cdot10^{-7}$
$b\bar t \to e^- \bar\nu_e$	$1.825\cdot10^{-28}$	$1.83\cdot10^{-28}$	-0.002882	$3.67\cdot10^{-14}$	$3.67\cdot10^{-14}$	$-3.215\cdot10^{-6}$
$c\bar c \to \mu^+ \mu^-$	$-8.359\cdot10^{-27}$	$-8.822\cdot10^{-27}$	-0.05536	$5.116\cdot10^{-10}$	$5.116\cdot10^{-10}$	$-5.669\cdot10^{-7}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$c\bar{s} \to \tau^+\nu_\tau$	$5.875 \cdot 10^{-24}$	$1.176 \cdot 10^{-23}$	-1.002	$3.572 \cdot 10^{-7}$	$3.572 \cdot 10^{-7}$	$6.103 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$1.216 \cdot 10^{-30}$	$1.002 \cdot 10^{-30}$	0.1762	$1.686 \cdot 10^{-14}$	$1.686 \cdot 10^{-14}$	$-3.203 \cdot 10^{-6}$
$e^+\nu_\mu \to e^+\nu_\mu$	$-4.217 \cdot 10^{-28}$	$-4.215 \cdot 10^{-28}$	0.0005626	$3.844 \cdot 10^{-13}$	$3.844 \cdot 10^{-13}$	$-3.2 \cdot 10^{-6}$
$e^+\nu_e \to \mu^+\nu_\mu$	$1.291 \cdot 10^{-26}$	$2.584 \cdot 10^{-26}$	-1.001	$1.917 \cdot 10^{-9}$	$1.917 \cdot 10^{-9}$	$-5.737 \cdot 10^{-7}$
$e^+\nu_e \to e^+\nu_e$	$1.063 \cdot 10^{-26}$	$1.064 \cdot 10^{-26}$	-0.0005531	$1.081 \cdot 10^{-15}$	$1.081 \cdot 10^{-15}$	$-3.238 \cdot 10^{-6}$
$e^+\tau^- \to e^+\tau^-$	$3.754 \cdot 10^{-16}$	$3.754 \cdot 10^{-16}$	$3.063 \cdot 10^{-6}$	$8.143 \cdot 10^{-7}$	$8.143 \cdot 10^{-7}$	$6.103 \cdot 10^{-6}$
$e^+e^- \to \mu^+\mu^-$	$1.068 \cdot 10^{-26}$	$8.593 \cdot 10^{-27}$	0.1951	$1.791 \cdot 10^{-9}$	$1.791 \cdot 10^{-9}$	$-5.583 \cdot 10^{-7}$
$e^+e^- \to e^+e^-$	$-7.241 \cdot 10^{-28}$	$-7.264 \cdot 10^{-28}$	-0.003153	$4.26 \cdot 10^{-13}$	$4.26 \cdot 10^{-13}$	$-3.216 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$4.319 \cdot 10^{-22}$	$4.346 \cdot 10^{-22}$	-0.00626	$2.24 \cdot 10^{-7}$	$2.24 \cdot 10^{-7}$	$6.072 \cdot 10^{-6}$
$u\bar{d} \to \mu^+\nu_\mu$	$9.191 \cdot 10^{-26}$	$4.595 \cdot 10^{-26}$	0.5	$4.05 \cdot 10^{-11}$	$4.05 \cdot 10^{-11}$	$-5.679 \cdot 10^{-7}$

2.91   ceWRe

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to W^+e^-\bar{\nu}_e$	$-1.972 \cdot 10^{-16}$	$-1.972 \cdot 10^{-16}$	$-1.623 \cdot 10^{-6}$	$2.201 \cdot 10^{-17}$	$2.201 \cdot 10^{-17}$	$-3.226 \cdot 10^{-6}$
$HH \to ze^+e^-$	$-2.937 \cdot 10^{-18}$	$-2.937 \cdot 10^{-18}$	$-1.6 \cdot 10^{-6}$	$1.375 \cdot 10^{-18}$	$1.375 \cdot 10^{-18}$	$-3.272 \cdot 10^{-6}$
$HW^- \to \gamma e^-\bar{\nu}_e$	$1.266 \cdot 10^{-18}$	$1.266 \cdot 10^{-18}$	$-1.658 \cdot 10^{-6}$	$1.865 \cdot 10^{-18}$	$1.865 \cdot 10^{-18}$	$-3.164 \cdot 10^{-6}$
$HW^- \to \mu^-\bar{\nu}_\mu$	$-5.431 \cdot 10^{-9}$	$-5.431 \cdot 10^{-9}$	$-2.946 \cdot 10^{-7}$	$6.372 \cdot 10^{-8}$	$6.372 \cdot 10^{-8}$	$-5.65 \cdot 10^{-7}$
$H\gamma \to e^+e^-$	$2.547 \cdot 10^{-23}$	$2.547 \cdot 10^{-23}$	$-1.61 \cdot 10^{-6}$	$1.982 \cdot 10^{-12}$	$1.982 \cdot 10^{-12}$	$-3.229 \cdot 10^{-6}$
$Hz \to \mu^+\mu^-$	$-6.21 \cdot 10^{-10}$	$-6.21 \cdot 10^{-10}$	$-2.899 \cdot 10^{-7}$	$1.941 \cdot 10^{-7}$	$1.941 \cdot 10^{-7}$	$-5.666 \cdot 10^{-7}$
$\mu^+\mu^- \to \tau^+\tau^-$	$-7.717 \cdot 10^{-7}$	$-7.717 \cdot 10^{-7}$	$3.045 \cdot 10^{-6}$	$6.493 \cdot 10^{-7}$	$6.493 \cdot 10^{-7}$	$6.068 \cdot 10^{-6}$
$b\bar{b} \to \mu^+\mu^-$	$-3.175 \cdot 10^{-11}$	$-3.175 \cdot 10^{-11}$	$-2.835 \cdot 10^{-7}$	$5.37 \cdot 10^{-10}$	$5.37 \cdot 10^{-10}$	$-5.772 \cdot 10^{-7}$
$b\bar{t} \to e^-\bar{\nu}_e$	$-1.411 \cdot 10^{-14}$	$-1.411 \cdot 10^{-14}$	$-1.63 \cdot 10^{-6}$	$3.332 \cdot 10^{-14}$	$3.332 \cdot 10^{-14}$	$-3.211 \cdot 10^{-6}$
$c\bar{c} \to \mu^+\mu^-$	$-4.409 \cdot 10^{-10}$	$-4.409 \cdot 10^{-10}$	$-2.722 \cdot 10^{-7}$	$6.058 \cdot 10^{-10}$	$6.058 \cdot 10^{-10}$	$-5.777 \cdot 10^{-7}$
$c\bar{s} \to \tau^+\nu_\tau$	$-1.11 \cdot 10^{-7}$	$-1.11 \cdot 10^{-7}$	$3.062 \cdot 10^{-6}$	$2.77 \cdot 10^{-7}$	$2.77 \cdot 10^{-7}$	$6.101 \cdot 10^{-6}$
$d\bar{d} \to e^+e^-$	$-1.021 \cdot 10^{-14}$	$-1.021 \cdot 10^{-14}$	$-1.666 \cdot 10^{-6}$	$1.818 \cdot 10^{-14}$	$1.818 \cdot 10^{-14}$	$-3.245 \cdot 10^{-6}$
$e^+\nu_\mu \to e^+\nu_\mu$	$3.013 \cdot 10^{-13}$	$3.013 \cdot 10^{-13}$	$-1.593 \cdot 10^{-6}$	$6.162 \cdot 10^{-13}$	$6.162 \cdot 10^{-13}$	$-3.213 \cdot 10^{-6}$
$e^+\nu_e \to \mu^+\nu_\mu$	$-3.471 \cdot 10^{-10}$	$-3.471 \cdot 10^{-10}$	$-2.881 \cdot 10^{-7}$	$1.01 \cdot 10^{-9}$	$1.01 \cdot 10^{-9}$	$-4.949 \cdot 10^{-7}$

	interference			square		
	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$
$e^+\nu_e \to e^+\nu_e$	$1.474\cdot10^{-14}$	$1.474\cdot10^{-14}$	$-1.628\cdot10^{-6}$	$3.393\cdot10^{-13}$	$3.393\cdot10^{-13}$	$-3.212\cdot10^{-6}$
$e^+\tau^- \to e^+\tau^-$	$-4.726\cdot10^{-7}$	$-4.726\cdot10^{-7}$	$3.047\cdot10^{-6}$	$2.416\cdot10^{-7}$	$2.416\cdot10^{-7}$	$6.126\cdot10^{-6}$
$e^+e^- \to \mu^+\mu^-$	$-2.683\cdot10^{-9}$	$-2.683\cdot10^{-9}$	$-2.609\cdot10^{-7}$	$2.255\cdot10^{-9}$	$2.255\cdot10^{-9}$	$-5.765\cdot10^{-7}$
$e^+e^- \to e^+e^-$	$-2.5\cdot10^{-13}$	$-2.5\cdot10^{-13}$	$-1.6\cdot10^{-6}$	$2.937\cdot10^{-13}$	$2.937\cdot10^{-13}$	$-3.201\cdot10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$-6.68\cdot10^{-7}$	$-6.679\cdot10^{-7}$	$3.054\cdot10^{-6}$	$6.863\cdot10^{-8}$	$6.863\cdot10^{-8}$	$6.106\cdot10^{-6}$
$u\bar{d} \to \mu^+\nu_\mu$	$-1.279\cdot10^{-12}$	$-1.279\cdot10^{-12}$	$-3.128\cdot10^{-7}$	$3.942\cdot10^{-12}$	$3.942\cdot10^{-12}$	$-5.582\cdot10^{-7}$

2.92 ced

	interference			square		
	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$
$d\bar{d} \to e^+e^-$	0.001694	0.001694	0	0.01979	0.01979	0

2.93 cee

	interference			square		
	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$
$\mu^+\mu^- \to \tau^+\tau^-$	0.0853	0.0853	0	0.6644	0.6644	0
$e^+\tau^- \to e^+\tau^-$	-0.003952	-0.003952	0	0.02831	0.02831	0
$e^+e^- \to \mu^+\mu^-$	0.07834	0.07834	0	0.6101	0.6101	0
$e^+e^- \to e^+e^-$	-0.005497	-0.005497	0	0.4413	0.4413	0

2.94 ceu

	interference			square		
	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$
$c\bar{c} \to \mu^+\mu^-$	-0.004152	-0.004152	0	0.02426	0.02426	0

2.95 cjQbd1Im

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-9.955 \cdot 10^{-16}$	$-9.955 \cdot 10^{-16}$	$-5.927 \cdot 10^{-7}$		$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-2.441 \cdot 10^{-28}$	$-7.826 \cdot 10^{-28}$	-2.206		$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$

2.96 cjQbd1Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$5.897 \cdot 10^{-12}$	$5.897 \cdot 10^{-12}$	$-5.936 \cdot 10^{-7}$		$7.195 \cdot 10^{-10}$	$7.195 \cdot 10^{-10}$	$-1.168 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$8.909 \cdot 10^{-12}$	$8.909 \cdot 10^{-12}$	$-5.949 \cdot 10^{-7}$		$1.439 \cdot 10^{-9}$	$1.439 \cdot 10^{-9}$	$-1.181 \cdot 10^{-6}$

2.97 cjQbd8Im

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-1.325 \cdot 10^{-15}$	$-1.325 \cdot 10^{-15}$	$-6.037 \cdot 10^{-7}$		$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.188 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$2.002 \cdot 10^{-28}$	$-4.669 \cdot 10^{-29}$	1.233		$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$

2.98 cjQbd8Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$7.911 \cdot 10^{-12}$	$7.911 \cdot 10^{-12}$	$-5.815 \cdot 10^{-7}$		$1.599 \cdot 10^{-10}$	$1.599 \cdot 10^{-10}$	$-1.188 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$1.541 \cdot 10^{-11}$	$1.541 \cdot 10^{-11}$	$-5.84 \cdot 10^{-7}$		$3.198 \cdot 10^{-10}$	$3.198 \cdot 10^{-10}$	$-1.157 \cdot 10^{-6}$

2.99 cjQtu1Im

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$8.517 \cdot 10^{-15}$	$8.517 \cdot 10^{-15}$	$-7.28 \cdot 10^{-7}$		$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.429 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$7.092 \cdot 10^{-22}$	$-9.494 \cdot 10^{-22}$	2.339		0.0001065	0.0001065	$2.817 \cdot 10^{-7}$

2.100 cjQtu1Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$5.094 \cdot 10^{-11}$	$5.094 \cdot 10^{-11}$	$-7.263 \cdot 10^{-7}$		$1.539 \cdot 10^{-10}$	$1.539 \cdot 10^{-10}$	$-1.429 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$4.043 \cdot 10^{-5}$	$4.043 \cdot 10^{-5}$	$1.484 \cdot 10^{-7}$		0.0001065	0.0001065	$2.817 \cdot 10^{-7}$

2.101 cjQtu8Im

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$1.138 \cdot 10^{-14}$	$1.138 \cdot 10^{-14}$	$-7.031 \cdot 10^{-7}$		$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$1.284 \cdot 10^{-21}$	$-1.373 \cdot 10^{-22}$	1.107		$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.957 \cdot 10^{-7}$

2.102 cjQtu8Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$6.758 \cdot 10^{-11}$	$6.758 \cdot 10^{-11}$	$-7.251 \cdot 10^{-7}$		$3.42 \cdot 10^{-11}$	$3.42 \cdot 10^{-11}$	$-1.462 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$4.591 \cdot 10^{-5}$	$4.591 \cdot 10^{-5}$	$1.525 \cdot 10^{-7}$		$2.367 \cdot 10^{-5}$	$2.367 \cdot 10^{-5}$	$2.535 \cdot 10^{-7}$

2.103 cjd1

	interference			square		
	`mod1`	`mod2`	$1 - \texttt{mod2}/\texttt{mod1}$	`mod1`	`mod2`	$1 - \texttt{mod2}/\texttt{mod1}$
$d\bar{d} \to c\bar{c}$	-0.003016	-0.003016	0	0.2155	0.2155	0
$d\bar{d} \to s\bar{s}$	-0.0001288	-0.0001288	0	0.008856	0.008856	0
$s\bar{s} \to s\bar{s}$	0.2095	0.2095	0	2.025	2.025	0
$u\bar{d} \to u\bar{d}$	0.02238	0.02238	0	1	1	0

2.104 cjd8

	interference			square		
	`mod1`	`mod2`	$1 - \texttt{mod2}/\texttt{mod1}$	`mod1`	`mod2`	$1 - \texttt{mod2}/\texttt{mod1}$
$d\bar{d} \to c\bar{c}$	0.07567	0.07567	0	0.02554	0.02554	0
$d\bar{d} \to s\bar{s}$	0.836	0.836	0	0.2821	0.2821	0
$s\bar{s} \to s\bar{s}$	-0.08431	-0.08431	0	0.8701	0.8701	0
$u\bar{d} \to u\bar{d}$	-1.206	-1.206	0	0.2222	0.2222	0

2.105 cje

	interference			square		
	`mod1`	`mod2`	$1 - \texttt{mod2}/\texttt{mod1}$	`mod1`	`mod2`	$1 - \texttt{mod2}/\texttt{mod1}$
$c\bar{c} \to \mu^+\mu^-$	-0.003357	-0.003357	0	0.07997	0.07997	0
$d\bar{d} \to e^+e^-$	-0.0005508	-0.0005508	0	0.01263	0.01263	0

2.106 cjj11

interference

square

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	-0.1787	-0.1787	0	1.748	1.748	0
$d\bar{d} \to s\bar{s}$	0.0181	0.0181	0	0.1653	0.1653	0
$s\bar{s} \to s\bar{s}$	$-2.777 \cdot 10^{-5}$	$-2.777 \cdot 10^{-5}$	0	0.004856	0.004856	0
$u\bar{d} \to u\bar{d}$	0.2098	0.2098	0	0.8248	0.8248	0
$u\bar{u} \to c\bar{c}$	0.009858	0.009858	0	0.09025	0.09025	0
$u\bar{u} \to u\bar{u}$	-4.835	-4.835	0	5.78	5.78	0

2.107   cjj18

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	1.194	1.194	0	0.8062	0.8062	0
$d\bar{d} \to s\bar{s}$	0.2578	0.2578	0	0.174	0.174	0
$s\bar{s} \to s\bar{s}$	-2.226	-2.226	0	0.7146	0.7146	$-1.399 \cdot 10^{-8}$
$u\bar{d} \to u\bar{d}$	-0.005933	-0.005933	0	0.005033	0.005033	0
$u\bar{u} \to c\bar{c}$	1.213	1.213	0	0.8184	0.8184	0
$u\bar{u} \to u\bar{u}$	-0.1688	-0.1688	0	0.2343	0.2343	0

2.108   cjj31

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	0.1789	0.1789	0	1.75	1.75	0
$d\bar{d} \to s\bar{s}$	0.3787	0.3787	0	3.458	3.458	0
$s\bar{s} \to s\bar{s}$	-0.02996	-0.02996	0	0.4122	0.4122	0
$u\bar{d} \to c\bar{s}$	0.9873	0.9873	0	9.332	9.332	0
$u\bar{d} \to u\bar{d}$	-1.481	-1.481	0	2.699	2.699	0
$u\bar{u} \to c\bar{c}$	0.4011	0.4011	0	3.672	3.672	0

| $u\bar{u} \to u\bar{u}$ | -15.55 | -15.55 | 0 | | 8.009 | 8.009 | 0 |

2.109 cjj38

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	-0.0006727	-0.0006727	$1.486 \cdot 10^{-8}$		0.0004526	0.0004526	0
$d\bar{d} \to s\bar{s}$	1.221	1.221	0		0.8243	0.8243	0
$s\bar{s} \to s\bar{s}$	-0.008475	-0.008475	$-1.062 \cdot 10^{-7}$		0.0414	0.0414	$-2.174 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$-7.192 \cdot 10^{-10}$	$2.689 \cdot 10^{-19}$	1		0.04532	0.04532	0
$u\bar{d} \to u\bar{d}$	0.3093	0.3093	$6.465 \cdot 10^{-8}$		0.5273	0.5273	$7.585 \cdot 10^{-8}$
$u\bar{u} \to c\bar{c}$	0.2588	0.2588	0		0.1747	0.1747	0
$u\bar{u} \to u\bar{u}$	-0.2055	-0.2055	$-9.732 \cdot 10^{-8}$		0.2596	0.2596	$-1.926 \cdot 10^{-7}$

2.110 cjtQd1Im

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$6.608 \cdot 10^{-15}$	$6.608 \cdot 10^{-15}$	$-5.902 \cdot 10^{-7}$		$1.967 \cdot 10^{-11}$	$1.967 \cdot 10^{-11}$	$-1.169 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-1.692 \cdot 10^{-27}$	$-2.623 \cdot 10^{-27}$	-0.5502		$1.398 \cdot 10^{-10}$	$1.398 \cdot 10^{-10}$	$-1.216 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-2.367 \cdot 10^{-25}$	$-3.033 \cdot 10^{-25}$	-0.281		$1.566 \cdot 10^{-9}$	$1.566 \cdot 10^{-9}$	$6.384 \cdot 10^{-7}$

2.111 cjtQd1Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-7.347 \cdot 10^{-11}$	$-7.347 \cdot 10^{-11}$	$-5.852 \cdot 10^{-7}$		$6.789 \cdot 10^{-11}$	$6.789 \cdot 10^{-11}$	$-1.178 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$5.237 \cdot 10^{-11}$	$5.237 \cdot 10^{-11}$	$-5.92 \cdot 10^{-7}$		$1.41 \cdot 10^{-12}$	$1.41 \cdot 10^{-12}$	$-1.205 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.708 \cdot 10^{-9}$	$-1.708 \cdot 10^{-9}$	$2.927 \cdot 10^{-7}$		$1.936 \cdot 10^{-8}$	$1.936 \cdot 10^{-8}$	$6.716 \cdot 10^{-7}$

2.112 cjtQd8Im

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$1.081 \cdot 10^{-14}$	$1.081 \cdot 10^{-14}$	$-6.475 \cdot 10^{-7}$	$6.569 \cdot 10^{-12}$	$6.569 \cdot 10^{-12}$	$-1.172 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$3.281 \cdot 10^{-28}$	$-2.83 \cdot 10^{-27}$	9.626	$2.975 \cdot 10^{-11}$	$2.975 \cdot 10^{-11}$	$-1.176 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$3.026 \cdot 10^{-25}$	$2.089 \cdot 10^{-24}$	-5.903	$1.464 \cdot 10^{-9}$	$1.464 \cdot 10^{-9}$	$6.831 \cdot 10^{-7}$

2.113 cjtQd8Re

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-1.259 \cdot 10^{-10}$	$-1.259 \cdot 10^{-10}$	$-5.561 \cdot 10^{-7}$	$2.487 \cdot 10^{-11}$	$2.487 \cdot 10^{-11}$	$-1.166 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-1.472 \cdot 10^{-10}$	$-1.472 \cdot 10^{-10}$	$-6.114 \cdot 10^{-7}$	$1.507 \cdot 10^{-11}$	$1.507 \cdot 10^{-11}$	$-1.128 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-3.604 \cdot 10^{-8}$	$-3.604 \cdot 10^{-8}$	$3.052 \cdot 10^{-7}$	$2.225 \cdot 10^{-9}$	$2.225 \cdot 10^{-9}$	$6.292 \cdot 10^{-7}$

2.114 cju1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$d\bar{d} \to c\bar{c}$	$6.569 \cdot 10^{-5}$	$6.569 \cdot 10^{-5}$	0	0.00227	0.00227	0
$u\bar{d} \to u\bar{d}$	-0.0301	-0.0301	0	1	1	0
$u\bar{u} \to c\bar{c}$	$9.207 \cdot 10^{-5}$	$9.207 \cdot 10^{-5}$	0	0.003271	0.003271	0
$u\bar{u} \to u\bar{u}$	-0.08842	-0.08842	0	2.617	2.617	0

2.115 cju8

interference	square

	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$d\bar{d} \to c\bar{c}$	0.5722	0.5722	0	0.1931	0.1931	0
$u\bar{d} \to u\bar{d}$	-0.8185	-0.8185	0	0.2222	0.2222	0
$u\bar{u} \to c\bar{c}$	0.3923	0.3923	0	0.1324	0.1324	0
$u\bar{u} \to u\bar{u}$	-2.888	-2.888	0	0.5235	0.5235	0

2.116 cjuQb1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-3.205 \cdot 10^{-16}$	$-3.205 \cdot 10^{-16}$	$-7.487 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$2.69 \cdot 10^{-28}$	$1.764 \cdot 10^{-28}$	0.3441	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$

2.117 cjuQb1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$-1.911 \cdot 10^{-12}$	$-1.911 \cdot 10^{-12}$	$-7.326 \cdot 10^{-7}$	$3.848 \cdot 10^{-11}$	$3.848 \cdot 10^{-11}$	$-1.455 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-3.715 \cdot 10^{-12}$	$-3.715 \cdot 10^{-12}$	$-7.267 \cdot 10^{-7}$	$7.696 \cdot 10^{-11}$	$7.696 \cdot 10^{-11}$	$-1.442 \cdot 10^{-6}$

2.118 cjuQb8Im

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$1.122 \cdot 10^{-29}$	$3.318 \cdot 10^{-31}$	0.9704	$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$1.235 \cdot 10^{-32}$	$1.787 \cdot 10^{-29}$	-1446	$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$

2.119   cjuQb8Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-5.2 \cdot 10^{-29}$	$2.17 \cdot 10^{-29}$	1.417		$8.551 \cdot 10^{-12}$	$8.551 \cdot 10^{-12}$	$-1.45 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$1.473 \cdot 10^{-13}$	$1.473 \cdot 10^{-13}$	$-7.466 \cdot 10^{-7}$		$1.71 \cdot 10^{-11}$	$1.71 \cdot 10^{-11}$	$-1.403 \cdot 10^{-6}$

2.120   cjujd11Im

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	$-5.663 \cdot 10^{-31}$	$-4.938 \cdot 10^{-31}$	0.1279		$9.226 \cdot 10^{-15}$	$9.226 \cdot 10^{-15}$	$-5.961 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$-4.951 \cdot 10^{-19}$	$-4.951 \cdot 10^{-19}$	$-3.03 \cdot 10^{-7}$		$1.973 \cdot 10^{-15}$	$1.973 \cdot 10^{-15}$	$-6.082 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-5.995 \cdot 10^{-36}$	$-8.345 \cdot 10^{-36}$	-0.392		$1.064 \cdot 10^{-19}$	$1.064 \cdot 10^{-19}$	$-2.632 \cdot 10^{-6}$

2.121   cjujd11Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	$-6.13 \cdot 10^{-15}$	$-6.13 \cdot 10^{-15}$	$-2.936 \cdot 10^{-7}$		$1.663 \cdot 10^{-14}$	$1.663 \cdot 10^{-14}$	$-6.012 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$-5.49 \cdot 10^{-15}$	$-5.49 \cdot 10^{-15}$	$-3.096 \cdot 10^{-7}$		$6.958 \cdot 10^{-15}$	$6.958 \cdot 10^{-15}$	$-6.036 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$2.789 \cdot 10^{-21}$	$2.789 \cdot 10^{-21}$	$-1.362 \cdot 10^{-6}$		$1.209 \cdot 10^{-19}$	$1.209 \cdot 10^{-19}$	$-2.729 \cdot 10^{-6}$

2.122   cjujd1Im

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	$6.886 \cdot 10^{-37}$	$-1.096 \cdot 10^{-32}$	$1.591 \cdot 10^{4}$		$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	$-6.269 \cdot 10^{-7}$

	interference				square		
$u\bar{d} \to c\bar{s}$	$-3.213 \cdot 10^{-18}$	$-3.213 \cdot 10^{-18}$	$-3.112 \cdot 10^{-7}$		$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	$-6.053 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$1.661 \cdot 10^{-35}$	$1.089 \cdot 10^{-35}$	0.3445		$1.031 \cdot 10^{-19}$	$1.031 \cdot 10^{-19}$	$-2.62 \cdot 10^{-6}$

2.123 cjujd1Re

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$d\bar{d} \to c\bar{c}$	$-3.854 \cdot 10^{-14}$	$-3.854 \cdot 10^{-14}$	$-3.114 \cdot 10^{-7}$		$1.914 \cdot 10^{-14}$	$1.914 \cdot 10^{-14}$	$-6.269 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$-1.908 \cdot 10^{-14}$	$-1.908 \cdot 10^{-14}$	$-3.144 \cdot 10^{-7}$		$9.582 \cdot 10^{-15}$	$9.582 \cdot 10^{-15}$	$-6.053 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-1.133 \cdot 10^{-20}$	$-1.133 \cdot 10^{-20}$	$-1.412 \cdot 10^{-6}$		$9.202 \cdot 10^{-20}$	$9.202 \cdot 10^{-20}$	$-2.673 \cdot 10^{-6}$

2.124 cjujd81Im

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$d\bar{d} \to c\bar{c}$	$-4.669 \cdot 10^{-31}$	$-2.055 \cdot 10^{-31}$	0.5598		$4.888 \cdot 10^{-16}$	$4.888 \cdot 10^{-16}$	$-5.933 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$-2.715 \cdot 10^{-19}$	$-2.715 \cdot 10^{-19}$	$-3.315 \cdot 10^{-7}$		$6.827 \cdot 10^{-17}$	$6.827 \cdot 10^{-17}$	$-6.006 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$3.805 \cdot 10^{-35}$	$3.556 \cdot 10^{-35}$	0.06538		$1.149 \cdot 10^{-20}$	$1.149 \cdot 10^{-20}$	$-2.61 \cdot 10^{-6}$

2.125 cjujd81Re

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$d\bar{d} \to c\bar{c}$	$-7.664 \cdot 10^{-15}$	$-7.664 \cdot 10^{-15}$	$-3.001 \cdot 10^{-7}$		$6.783 \cdot 10^{-16}$	$6.783 \cdot 10^{-16}$	$-6.045 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$-6.633 \cdot 10^{-15}$	$-6.633 \cdot 10^{-15}$	$-3.015 \cdot 10^{-7}$		$1.265 \cdot 10^{-15}$	$1.265 \cdot 10^{-15}$	$-5.532 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$6.899 \cdot 10^{-20}$	$6.899 \cdot 10^{-20}$	$-1.334 \cdot 10^{-6}$		$1.116 \cdot 10^{-20}$	$1.116 \cdot 10^{-20}$	$-2.688 \cdot 10^{-6}$

2.126 cjujd8Im

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$d\bar{d} \to c\bar{c}$	$8.078 \cdot 10^{-32}$	$6.819 \cdot 10^{-32}$	0.1559	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-5.877 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$1.096 \cdot 10^{-32}$	$8.163 \cdot 10^{-41}$	1	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-6.105 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$5.866 \cdot 10^{-35}$	$6.11 \cdot 10^{-35}$	-0.04158	$1.107 \cdot 10^{-20}$	$1.107 \cdot 10^{-20}$	$-2.62 \cdot 10^{-6}$

2.127 cjujd8Re

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$d\bar{d} \to c\bar{c}$	$5.478 \cdot 10^{-17}$	$5.478 \cdot 10^{-17}$	$-2.921 \cdot 10^{-7}$	$4.254 \cdot 10^{-15}$	$4.254 \cdot 10^{-15}$	$-5.877 \cdot 10^{-7}$
$u\bar{d} \to c\bar{s}$	$-6.011 \cdot 10^{-40}$	$-3.386 \cdot 10^{-34}$	$-5.634 \cdot 10^{5}$	$2.129 \cdot 10^{-15}$	$2.129 \cdot 10^{-15}$	$-6.105 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$2.587 \cdot 10^{-20}$	$2.587 \cdot 10^{-20}$	$-1.314 \cdot 10^{-6}$	$1.173 \cdot 10^{-20}$	$1.173 \cdot 10^{-20}$	$-2.728 \cdot 10^{-6}$

2.128 cld

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$d\bar{d} \to e^{+}e^{-}$	0.008109	0.008109	0	0.1907	0.1907	0
$s\bar{s} \to \nu_{\tau}\bar{\nu}_{\tau}$	0.0008295	0.0008295	0	0.01926	0.01926	0

2.129 cle

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$\mu^{+}\mu^{-} \to \tau^{+}\tau^{-}$	0.1235	0.1235	0	0.968	0.968	0

$e^+\nu_\mu \to e^+\nu_\mu$	-0.1295	-0.1295	0	1	1	0
$e^+\nu_e \to e^+\nu_e$	-3.655	-3.655	0	1	1	0
$e^+\tau^- \to e^+\tau^-$	-0.742	-0.742	0	2	2	0
$e^+e^- \to \mu^+\mu^-$	0.07185	0.07185	0	0.5632	0.5632	0
$e^+e^- \to e^+e^-$	-1.228	-1.228	0	2.089	2.089	0

2.130 cleQt1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^-\bar{\nu}_e$	$2.395 \cdot 10^{-16}$	$2.395 \cdot 10^{-16}$	$-1.628 \cdot 10^{-6}$	$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$1.564 \cdot 10^{-23}$	$1.521 \cdot 10^{-21}$	-96.23	$1.738 \cdot 10^{-5}$	$1.738 \cdot 10^{-5}$	$6.1 \cdot 10^{-6}$

2.131 cleQt1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^-\bar{\nu}_e$	$1.42 \cdot 10^{-12}$	$1.42 \cdot 10^{-12}$	$-1.62 \cdot 10^{-6}$	$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$3.416 \cdot 10^{-5}$	$3.416 \cdot 10^{-5}$	$3.044 \cdot 10^{-6}$	$1.738 \cdot 10^{-5}$	$1.738 \cdot 10^{-5}$	$6.1 \cdot 10^{-6}$

2.132 cleQt3Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^-\bar{\nu}_e$	$-2.859 \cdot 10^{-16}$	$-2.859 \cdot 10^{-16}$	$-1.609 \cdot 10^{-6}$	$1.505 \cdot 10^{-12}$	$1.505 \cdot 10^{-12}$	$-3.257 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$-1.157 \cdot 10^{-20}$	$-8.557 \cdot 10^{-21}$	0.2602	0.0002094	0.0002094	$6.113 \cdot 10^{-6}$

2.133 cleQt3Re

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^- \bar{\nu}_e$	$-4.642 \cdot 10^{-12}$	$-4.642 \cdot 10^{-12}$	$-1.616 \cdot 10^{-6}$		$8.294 \cdot 10^{-12}$	$8.294 \cdot 10^{-12}$	$-3.219 \cdot 10^{-6}$
$t\bar{t} \to \tau^+ \tau^-$	0.0001198	0.0001198	$3.004 \cdot 10^{-6}$		0.0002091	0.0002091	$6.074 \cdot 10^{-6}$

2.134 clebQIm

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+ \mu^-$	$2.759 \cdot 10^{-25}$	$4.614 \cdot 10^{-26}$	0.8328		$6.138 \cdot 10^{-8}$	$6.138 \cdot 10^{-8}$	$-5.702 \cdot 10^{-7}$
$b\bar{t} \to e^- \bar{\nu}_e$	$-5.95 \cdot 10^{-18}$	$-5.95 \cdot 10^{-18}$	$-1.597 \cdot 10^{-6}$		$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$

2.135 clebQRe

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+ \mu^-$	$-2.975 \cdot 10^{-9}$	$-2.975 \cdot 10^{-9}$	$-2.689 \cdot 10^{-7}$		$6.138 \cdot 10^{-8}$	$6.138 \cdot 10^{-8}$	$-5.702 \cdot 10^{-7}$
$b\bar{t} \to e^- \bar{\nu}_e$	$-3.538 \cdot 10^{-14}$	$-3.538 \cdot 10^{-14}$	$-1.611 \cdot 10^{-6}$		$7.179 \cdot 10^{-13}$	$7.179 \cdot 10^{-13}$	$-3.218 \cdot 10^{-6}$

2.136 cledjIm

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{s} \to \tau^+ \nu_\tau$	$8.276 \cdot 10^{-16}$	$8.276 \cdot 10^{-16}$	$3.274 \cdot 10^{-6}$		$2.477 \cdot 10^{-12}$	$2.477 \cdot 10^{-12}$	$6.58 \cdot 10^{-6}$
$d\bar{d} \to e^+ e^-$	$1.047 \cdot 10^{-38}$	$2.092 \cdot 10^{-38}$	-0.9978		$1.033 \cdot 10^{-21}$	$1.033 \cdot 10^{-21}$	$-4.453 \cdot 10^{-6}$
$u\bar{d} \to \mu^+ \nu_\mu$	$7.383 \cdot 10^{-21}$	$7.383 \cdot 10^{-21}$	$-1.056 \cdot 10^{-6}$		$2.208 \cdot 10^{-17}$	$2.208 \cdot 10^{-17}$	$-2.128 \cdot 10^{-6}$

2.137 cledjRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{s} \to \tau^+ \nu_\tau$	$-4.974 \cdot 10^{-12}$	$-4.974 \cdot 10^{-12}$	$3.277 \cdot 10^{-6}$	$2.477 \cdot 10^{-12}$	$2.477 \cdot 10^{-12}$	$6.58 \cdot 10^{-6}$
$d\bar{d} \to e^+ e^-$	$-2.075 \cdot 10^{-21}$	$-2.075 \cdot 10^{-21}$	$-2.265 \cdot 10^{-6}$	$1.033 \cdot 10^{-21}$	$1.033 \cdot 10^{-21}$	$-4.453 \cdot 10^{-6}$
$u\bar{d} \to \mu^+ \nu_\mu$	$-4.396 \cdot 10^{-17}$	$-4.396 \cdot 10^{-17}$	$-1.046 \cdot 10^{-6}$	$2.208 \cdot 10^{-17}$	$2.208 \cdot 10^{-17}$	$-2.083 \cdot 10^{-6}$

2.138 cleju1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+ \mu^-$	$5.385 \cdot 10^{-28}$	$1.795 \cdot 10^{-28}$	0.6667	$3.266 \cdot 10^{-12}$	$3.266 \cdot 10^{-12}$	$-3.98 \cdot 10^{-7}$
$c\bar{s} \to \tau^+ \nu_\tau$	$-1.543 \cdot 10^{-13}$	$-1.543 \cdot 10^{-13}$	$3.24 \cdot 10^{-6}$	$4.619 \cdot 10^{-10}$	$4.619 \cdot 10^{-10}$	$6.495 \cdot 10^{-6}$
$u\bar{d} \to \mu^+ \nu_\mu$	$-1.573 \cdot 10^{-21}$	$-1.573 \cdot 10^{-21}$	$-1.017 \cdot 10^{-6}$	$4.724 \cdot 10^{-18}$	$4.724 \cdot 10^{-18}$	$-2.032 \cdot 10^{-6}$

2.139 cleju1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+ \mu^-$	$6.557 \cdot 10^{-12}$	$6.557 \cdot 10^{-12}$	$-1.83 \cdot 10^{-7}$	$3.266 \cdot 10^{-12}$	$3.266 \cdot 10^{-12}$	$-3.98 \cdot 10^{-7}$
$c\bar{s} \to \tau^+ \nu_\tau$	$9.24 \cdot 10^{-10}$	$9.24 \cdot 10^{-10}$	$3.247 \cdot 10^{-6}$	$4.619 \cdot 10^{-10}$	$4.619 \cdot 10^{-10}$	$6.495 \cdot 10^{-6}$
$u\bar{d} \to \mu^+ \nu_\mu$	$9.479 \cdot 10^{-18}$	$9.479 \cdot 10^{-18}$	$-1.013 \cdot 10^{-6}$	$4.724 \cdot 10^{-18}$	$4.724 \cdot 10^{-18}$	$-2.032 \cdot 10^{-6}$

2.140 cleju3Im

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

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+\mu^-$	$2.382 \cdot 10^{-28}$	$5.781 \cdot 10^{-29}$	0.7573	$1.226 \cdot 10^{-11}$	$1.226 \cdot 10^{-11}$	$-4.079 \cdot 10^{-7}$
$c\bar{s} \to \tau^+\nu_\tau$	$-3.896 \cdot 10^{-13}$	$-3.896 \cdot 10^{-13}$	$3.259 \cdot 10^{-6}$	$2.824 \cdot 10^{-9}$	$2.824 \cdot 10^{-9}$	$6.48 \cdot 10^{-6}$
$u\bar{d} \to \mu^+\nu_\mu$	$-6.364 \cdot 10^{-21}$	$-6.364 \cdot 10^{-21}$	$-1.006 \cdot 10^{-6}$	$7.54 \cdot 10^{-17}$	$7.54 \cdot 10^{-17}$	$-2.029 \cdot 10^{-6}$

2.141 cleju3Re

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+\mu^-$	$-1.704 \cdot 10^{-11}$	$-1.704 \cdot 10^{-11}$	$-1.761 \cdot 10^{-7}$	$2.391 \cdot 10^{-11}$	$2.391 \cdot 10^{-11}$	$-3.764 \cdot 10^{-7}$
$c\bar{s} \to \tau^+\nu_\tau$	$-2.203 \cdot 10^{-9}$	$-2.203 \cdot 10^{-9}$	$3.223 \cdot 10^{-6}$	$2.871 \cdot 10^{-9}$	$2.871 \cdot 10^{-9}$	$6.513 \cdot 10^{-6}$
$u\bar{d} \to \mu^+\nu_\mu$	$2.726 \cdot 10^{-17}$	$2.726 \cdot 10^{-17}$	$-1.027 \cdot 10^{-6}$	$3.822 \cdot 10^{-17}$	$3.822 \cdot 10^{-17}$	$-2.015 \cdot 10^{-6}$

2.142 clj1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+\mu^-$	-0.0445	-0.0445	0	0.1914	0.1914	0
$d\bar{d} \to e^+e^-$	0.05991	0.05991	0	0.3154	0.3154	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	-0.0229	-0.0229	0	0.09804	0.09804	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0.04317	0.04317	0	0.2267	0.2267	0

2.143 clj3

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+\mu^-$	0.03436	0.03436	0	0.1478	0.1478	0
$c\bar{s} \to \tau^+\nu_\tau$	0.08266	0.08266	0	0.3907	0.3907	0
$d\bar{d} \to e^+e^-$	0.003531	0.003531	0	0.01859	0.01859	0

	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0.04682	0.04682	0		0.2005	0.2005	0
$u\bar{d} \to \mu^+ \nu_\mu$	0.06131	0.06131	0		0.2898	0.2898	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	0.007105	0.007105	0		0.0373	0.0373	0

2.144   cll

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$\mu^+\mu^- \to \tau^+\tau^-$	0.2152	0.2152	0	1.565	1.565	0
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	−0.1103	−0.1103	0	2.544	2.544	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0.2016	0.2016	0	1.458	1.458	0
$e^+\nu_\mu \to e^+\nu_\mu$	0.01543	0.01543	0	0.1695	0.1695	0
$e^+\nu_e \to e^+\nu_e$	23.62	23.62	0	3.965	3.965	0
$e^+\tau^- \to e^+\tau^-$	−0.003015	−0.003015	0	0.02047	0.02047	0
$e^+e^- \to \mu^+\mu^-$	0.07814	0.07814	0	0.5683	0.5683	0
$e^+e^- \to e^+e^-$	−0.000171	−0.000171	0	0.04743	0.04743	0

2.145   cll1

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to HH$	0.02681	0.02681	0	0.0008127	0.0008127	0
$HH \to HHH$	$1.234 \cdot 10^{-8}$	$1.234 \cdot 10^{-8}$	0	$5.61 \cdot 10^{-10}$	$5.61 \cdot 10^{-10}$	0
$HH \to H\tau^+\tau^-$	$1.831 \cdot 10^{-12}$	$1.831 \cdot 10^{-12}$	0	$8.325 \cdot 10^{-14}$	$8.325 \cdot 10^{-14}$	0
$HH \to Hb\bar{b}$	$3.468 \cdot 10^{-10}$	$3.468 \cdot 10^{-10}$	0	$1.577 \cdot 10^{-11}$	$1.577 \cdot 10^{-11}$	0
$HH \to Hs\bar{s}$	$5.824 \cdot 10^{-14}$	$5.824 \cdot 10^{-14}$	0	$2.648 \cdot 10^{-15}$	$2.648 \cdot 10^{-15}$	0
$HH \to Ht\bar{t}$	$3.014 \cdot 10^{-6}$	$3.014 \cdot 10^{-6}$	0	$1.37 \cdot 10^{-7}$	$1.37 \cdot 10^{-7}$	0
$HH \to Hu\bar{u}$	$7.205 \cdot 10^{-15}$	$7.205 \cdot 10^{-15}$	0	$3.276 \cdot 10^{-16}$	$3.276 \cdot 10^{-16}$	0
$HH \to Hzz$	$3.485 \cdot 10^{-6}$	$3.485 \cdot 10^{-6}$	0	$1.585 \cdot 10^{-7}$	$1.585 \cdot 10^{-7}$	0

$HH \to W^+W^-$	1.755	1.755	0	0.3669	0.3669	0
$HH \to W^+W^-\gamma$	$-1.524 \cdot 10^{-7}$	$-1.524 \cdot 10^{-7}$	0	$1.091 \cdot 10^{-7}$	$1.091 \cdot 10^{-7}$	0
$HH \to W^+\bar{t}b$	$-4.282 \cdot 10^{-6}$	$-4.282 \cdot 10^{-6}$	0	$1.36 \cdot 10^{-6}$	$1.36 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.037 \cdot 10^{-7}$	$1.037 \cdot 10^{-7}$	0	$1.642 \cdot 10^{-8}$	$1.642 \cdot 10^{-8}$	0
$HH \to W^-u\bar{d}$	$2.33 \cdot 10^{-7}$	$2.33 \cdot 10^{-7}$	0	$2.008 \cdot 10^{-8}$	$2.008 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$7.476 \cdot 10^{-7}$	$7.476 \cdot 10^{-7}$	0	$4.006 \cdot 10^{-8}$	$4.006 \cdot 10^{-8}$	0
$HH \to z\nu_e\bar{\nu}_e$	$1.851 \cdot 10^{-8}$	$1.851 \cdot 10^{-8}$	0	$8.416 \cdot 10^{-10}$	$8.416 \cdot 10^{-10}$	0
$HH \to zc\bar{c}$	$1.864 \cdot 10^{-7}$	$1.864 \cdot 10^{-7}$	0	$1.21 \cdot 10^{-8}$	$1.21 \cdot 10^{-8}$	0
$HH \to zd\bar{d}$	$7.891 \cdot 10^{-8}$	$7.891 \cdot 10^{-8}$	0	$4.218 \cdot 10^{-9}$	$4.218 \cdot 10^{-9}$	0
$HH \to ze^+e^-$	$5.404 \cdot 10^{-8}$	$5.404 \cdot 10^{-8}$	0	$4.448 \cdot 10^{-9}$	$4.448 \cdot 10^{-9}$	0
$HH \to zt\bar{t}$	$5.377 \cdot 10^{-5}$	$5.377 \cdot 10^{-5}$	0	$2.736 \cdot 10^{-6}$	$2.736 \cdot 10^{-6}$	0
$HH \to zz$	0.02587	0.02587	0	0.0007841	0.0007841	0
$HW^+ \to \gamma t\bar{b}$	$3.992 \cdot 10^{-7}$	$3.992 \cdot 10^{-7}$	0	$1.999 \cdot 10^{-8}$	$1.999 \cdot 10^{-8}$	0
$HW^+ \to \gamma u\bar{d}$	$2.283 \cdot 10^{-7}$	$2.283 \cdot 10^{-7}$	0	$1.147 \cdot 10^{-8}$	$1.147 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	0.000667	0.000667	0	$3.351 \cdot 10^{-5}$	$3.351 \cdot 10^{-5}$	0
$HW^- \to \bar{t}b$	0.06459	0.06459	0	0.01381	0.01381	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$6.333 \cdot 10^{-9}$	$6.333 \cdot 10^{-9}$	0	$3.182 \cdot 10^{-10}$	$3.182 \cdot 10^{-10}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0.001453	0.001453	0	$7.298 \cdot 10^{-5}$	$7.298 \cdot 10^{-5}$	0
$H\gamma \to b\bar{b}$	$5.702 \cdot 10^{-6}$	$5.702 \cdot 10^{-6}$	0	$8.643 \cdot 10^{-8}$	$8.643 \cdot 10^{-8}$	0
$H\gamma \to c\bar{c}$	$1.905 \cdot 10^{-6}$	$1.905 \cdot 10^{-6}$	0	$2.888 \cdot 10^{-8}$	$2.888 \cdot 10^{-8}$	0
$H\gamma \to d\bar{d}$	$5.543 \cdot 10^{-11}$	$5.543 \cdot 10^{-11}$	0	$8.401 \cdot 10^{-13}$	$8.401 \cdot 10^{-13}$	0
$H\gamma \to e^+e^-$	$2.203 \cdot 10^{-13}$	$2.203 \cdot 10^{-13}$	0	$3.339 \cdot 10^{-15}$	$3.339 \cdot 10^{-15}$	0
$H\gamma \to t\bar{t}$	0.03366	0.03366	0	0.0005102	0.0005102	0
$Hz \to \mu^+\mu^-$	0.0002973	0.0002973	0	$2.463 \cdot 10^{-5}$	$2.463 \cdot 10^{-5}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$9.524 \cdot 10^{-5}$	$9.524 \cdot 10^{-5}$	0	$2.887 \cdot 10^{-6}$	$2.887 \cdot 10^{-6}$	0
$Hz \to b\bar{b}$	0.001969	0.001969	0	$7.705 \cdot 10^{-5}$	$7.705 \cdot 10^{-5}$	0
$Hz \to s\bar{s}$	0.002107	0.002107	0	$8.212 \cdot 10^{-5}$	$8.212 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	0.2397	0.2397	0	0.00829	0.00829	0
$Hz \to u\bar{u}$	0.0002807	0.0002807	0	$1.506 \cdot 10^{-5}$	$1.506 \cdot 10^{-5}$	0

Reaction						
$W^+W^- \to H b\bar{b}$	$2.888 \cdot 10^{-6}$	$2.888 \cdot 10^{-6}$	0	$2.762 \cdot 10^{-7}$	$2.762 \cdot 10^{-7}$	0
$W^+W^- \to H c\bar{c}$	$1.788 \cdot 10^{-7}$	$1.788 \cdot 10^{-7}$	0	$1.516 \cdot 10^{-8}$	$1.516 \cdot 10^{-8}$	0
$W^+W^- \to H d\bar{d}$	$1.758 \cdot 10^{-7}$	$1.758 \cdot 10^{-7}$	0	$1.533 \cdot 10^{-8}$	$1.533 \cdot 10^{-8}$	0
$W^+W^- \to H t\bar{t}$	$5.968 \cdot 10^{-6}$	$5.968 \cdot 10^{-6}$	0	$7.946 \cdot 10^{-7}$	$7.946 \cdot 10^{-7}$	0
$W^+W^- \to W^+W^-$	2.413	2.413	0	0.1796	0.1796	0
$\bar{b}t \to \bar{d}u$	$1.929 \cdot 10^{-5}$	$1.929 \cdot 10^{-5}$	0	$8.408 \cdot 10^{-7}$	$8.408 \cdot 10^{-7}$	0
$\gamma W^+ \to z W^+$	0.01654	0.01654	0	0.0004704	0.0004704	0
$\mu^+\mu^- \to \tau^+\tau^-$	0.05085	0.05085	0	0.3735	0.3735	0
$\nu_\tau \bar{\nu}_\tau \to \nu_\tau \bar{\nu}_\tau$	-0.5305	-0.5305	0	5.557	5.557	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	0.3003	0.3003	0	2.18	2.18	0
$b\bar{b} \to \mu^+\mu^-$	0.0004989	0.0004989	0	$2.685 \cdot 10^{-5}$	$2.685 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$3.931 \cdot 10^{-5}$	$3.931 \cdot 10^{-5}$	0	$1.746 \cdot 10^{-6}$	$1.746 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	-0.01064	-0.01064	0	$8.25 \cdot 10^{-5}$	$8.25 \cdot 10^{-5}$	0
$b\bar{b} \to d\bar{d}$	$-4.744 \cdot 10^{-6}$	$-4.744 \cdot 10^{-6}$	0	$9.608 \cdot 10^{-8}$	$9.608 \cdot 10^{-8}$	0
$b\bar{b} \to t\bar{t}$	-0.005354	-0.005354	0	0.001975	0.001975	0
$b\bar{b} \to u\bar{u}$	0.00112	0.00112	0	$5.272 \cdot 10^{-5}$	$5.272 \cdot 10^{-5}$	0
$b\bar{t} \to e^- \bar{\nu}_e$	0.002221	0.002221	0	$9.681 \cdot 10^{-5}$	$9.681 \cdot 10^{-5}$	0
$c\bar{c} \to \mu^+\mu^-$	$9.658 \cdot 10^{-5}$	$9.658 \cdot 10^{-5}$	0	$5.696 \cdot 10^{-6}$	$5.696 \cdot 10^{-6}$	0
$c\bar{s} \to \tau^+\nu_\tau$	0.002184	0.002184	0	$9.524 \cdot 10^{-5}$	$9.524 \cdot 10^{-5}$	0
$d\bar{d} \to c\bar{c}$	0.001156	0.001156	0	$5.445 \cdot 10^{-5}$	$5.445 \cdot 10^{-5}$	0
$d\bar{d} \to e^+e^-$	$2.448 \cdot 10^{-5}$	$2.448 \cdot 10^{-5}$	0	$1.948 \cdot 10^{-6}$	$1.948 \cdot 10^{-6}$	0
$d\bar{d} \to s\bar{s}$	$1.344 \cdot 10^{-5}$	$1.344 \cdot 10^{-5}$	0	$8.16 \cdot 10^{-7}$	$8.16 \cdot 10^{-7}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	-0.0002223	-0.0002223	0	$2.998 \cdot 10^{-6}$	$2.998 \cdot 10^{-6}$	0
$e^+\nu_e \to \mu^+\nu_\mu$	0.369	0.369	0	1.76	1.76	0
$e^+\nu_e \to e^+\nu_e$	9.845	9.845	0	5.031	5.031	0
$e^+\tau^- \to e^+\tau^-$	-0.658	-0.658	0	1.653	1.653	0
$e^+e^- \to \mu^+\mu^-$	0.1213	0.1213	0	0.8885	0.8885	0
$e^+e^- \to e^+e^-$	-2.518	-2.518	0	9.816	9.816	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0.0004019	0.0004019	0	$1.544 \cdot 10^{-5}$	$1.544 \cdot 10^{-5}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$s\bar{s} \to s\bar{s}$	-0.01534	-0.01534	0	0.0001404	0.0001404	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$-2.866 \cdot 10^{-5}$	$-2.866 \cdot 10^{-5}$	0	$8.887 \cdot 10^{-7}$	$8.887 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+ \tau^-$	$-2.452 \cdot 10^{-5}$	$-2.452 \cdot 10^{-5}$	0	$6.35 \cdot 10^{-7}$	$6.35 \cdot 10^{-7}$	0
$t\bar{t} \to c\bar{c}$	0.001673	0.001673	0	$7.854 \cdot 10^{-5}$	$7.854 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	0.0002607	0.0002607	0	$1.314 \cdot 10^{-5}$	$1.314 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	0.000686	0.000686	0	$3.295 \cdot 10^{-5}$	$3.295 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	-0.07512	-0.07512	0	0.003755	0.003755	0
$u\bar{d} \to \mu^+ \nu_\mu$	0.002001	0.002001	0	$8.723 \cdot 10^{-5}$	$8.723 \cdot 10^{-5}$	0
$u\bar{d} \to c\bar{s}$	0.001269	0.001269	0	$5.534 \cdot 10^{-5}$	$5.534 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	$-1.475 \cdot 10^{-5}$	$-1.475 \cdot 10^{-5}$	0	$2.369 \cdot 10^{-7}$	$2.369 \cdot 10^{-7}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.687 \cdot 10^{-5}$	$1.687 \cdot 10^{-5}$	0	$2.037 \cdot 10^{-6}$	$2.037 \cdot 10^{-6}$	0
$u\bar{u} \to c\bar{c}$	0.001795	0.001795	0	$8.464 \cdot 10^{-5}$	$8.464 \cdot 10^{-5}$	0
$u\bar{u} \to u\bar{u}$	-0.01372	-0.01372	0	0.0001529	0.0001529	0
$zz \to W^+ W^-$	18.91	18.91	0	1.004	1.004	0
$zz \to zz$	0.008941	0.008941	0	0.000271	0.000271	0

2.146   clu

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$c\bar{c} \to \mu^+ \mu^-$	-0.01512	-0.01512	0	0.1778	0.1778	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	-0.0002367	-0.0002367	0	0.002748	0.002748	0

2.147   ctBIm

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to zt\bar{t}$	$8.641 \cdot 10^{-7}$	$8.641 \cdot 10^{-7}$	0	$1.945 \cdot 10^{-5}$	$1.945 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$-5.51 \cdot 10^{-7}$	$-5.51 \cdot 10^{-7}$	0	$1.592 \cdot 10^{-6}$	$1.592 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$H\gamma \to t\bar{t}$	$-7.771 \cdot 10^{-17}$	$-7.771 \cdot 10^{-17}$	0	2.057	2.057	0
$Hz \to t\bar{t}$	0.0006219	0.0006219	0	0.2952	0.2952	0
$W^+W^- \to Ht\bar{t}$	$-1.596 \cdot 10^{-8}$	$-1.596 \cdot 10^{-8}$	0	$2.309 \cdot 10^{-8}$	$2.309 \cdot 10^{-8}$	0
$b\bar{b} \to t\bar{t}$	$-2.538 \cdot 10^{-19}$	$-2.402 \cdot 10^{-19}$	0.05341	0.0002456	0.0002456	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$-2.239 \cdot 10^{-19}$	$-2.239 \cdot 10^{-19}$	0	0.0002765	0.0002765	0
$t\bar{t} \to \tau^+\tau^-$	$-7.299 \cdot 10^{-19}$	$-7.299 \cdot 10^{-19}$	0	0.0008011	0.0008011	0
$t\bar{t} \to c\bar{c}$	$-5.292 \cdot 10^{-18}$	$-5.292 \cdot 10^{-18}$	$4.44 \cdot 10^{-6}$	0.002985	0.002985	0
$t\bar{t} \to d\bar{d}$	$1.093 \cdot 10^{-19}$	$1.093 \cdot 10^{-19}$	0	0.000999	0.000999	0
$t\bar{t} \to s\bar{s}$	$-5.619 \cdot 10^{-19}$	$-5.619 \cdot 10^{-19}$	0	0.0007545	0.0007545	0
$t\bar{t} \to t\bar{t}$	$-1.78 \cdot 10^{-16}$	$-1.771 \cdot 10^{-16}$	0.005069	0.07739	0.07739	0

2.148 ctBRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$7.747 \cdot 10^{-7}$	$7.747 \cdot 10^{-7}$	0	$1.494 \cdot 10^{-5}$	$1.494 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$2.864 \cdot 10^{-7}$	$2.864 \cdot 10^{-7}$	0	$7.095 \cdot 10^{-7}$	$7.095 \cdot 10^{-7}$	0
$H\gamma \to t\bar{t}$	0.2609	0.2609	0	2.775	2.775	0
$Hz \to t\bar{t}$	-0.02357	-0.02357	0	0.7814	0.7814	0
$W^+W^- \to Ht\bar{t}$	$8.124 \cdot 10^{-7}$	$8.124 \cdot 10^{-7}$	0	$1.251 \cdot 10^{-7}$	$1.251 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	0.002586	0.002586	0	0.000866	0.000866	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.0008159	0.0008159	0	0.000657	0.000657	0
$t\bar{t} \to \tau^+\tau^-$	-0.00303	-0.00303	0	0.003702	0.003702	0
$t\bar{t} \to c\bar{c}$	-0.003934	-0.003934	0	0.003459	0.003459	0
$t\bar{t} \to d\bar{d}$	0.0002511	0.0002511	0	0.001239	0.001239	0
$t\bar{t} \to s\bar{s}$	-0.0003849	-0.0003849	0	0.0002962	0.0002962	0
$t\bar{t} \to t\bar{t}$	0.4729	0.4729	0	0.1938	0.1938	0

2.149 ctGIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	$-1.227 \cdot 10^{-19}$	$-1.069 \cdot 10^{-19}$	0.1289	0.005715	0.005715	0
$gg \to t\bar{t}$	$2.699 \cdot 10^{-17}$	$2.699 \cdot 10^{-17}$	0	0.08982	0.08982	0
$t\bar{t} \to c\bar{c}$	$1.78 \cdot 10^{-23}$	$1.191 \cdot 10^{-23}$	0.331	0.02228	0.02228	0
$t\bar{t} \to d\bar{d}$	$1.471 \cdot 10^{-24}$	$1.471 \cdot 10^{-24}$	0	0.009267	0.009267	0
$t\bar{t} \to s\bar{s}$	$4.4 \cdot 10^{-24}$	$4.406 \cdot 10^{-24}$	-0.001285	0.03685	0.03685	0
$t\bar{t} \to t\bar{t}$	$-2.761 \cdot 10^{-18}$	$-2.989 \cdot 10^{-18}$	-0.08256	0.2481	0.2481	0

2.150 ctGRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.09226	-0.09226	0	0.0445	0.0445	0
$gg \to t\bar{t}$	-0.1835	-0.1835	0	0.09269	0.09269	0
$t\bar{t} \to c\bar{c}$	-0.1986	-0.1986	0	0.01231	0.01231	0
$t\bar{t} \to d\bar{d}$	-0.1986	-0.1986	0	0.03659	0.03659	0
$t\bar{t} \to s\bar{s}$	-0.1986	-0.1986	0	0.03461	0.03461	0
$t\bar{t} \to t\bar{t}$	-0.3228	-0.3228	0	1.286	1.286	0

2.151 ctHIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$-3.195 \cdot 10^{-6}$	$-3.195 \cdot 10^{-6}$	0	$5.195 \cdot 10^{-5}$	$5.195 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	$2.066 \cdot 10^{-6}$	$2.066 \cdot 10^{-6}$	0	0.0002857	0.0002857	0
$HH \to zt\bar{t}$	$-5.251 \cdot 10^{-6}$	$-5.251 \cdot 10^{-6}$	0	$5.339 \cdot 10^{-6}$	$5.339 \cdot 10^{-6}$	0

	interference			square		
$HW^+ \to \gamma t\bar{b}$	$-3.877 \cdot 10^{-10}$	$-3.877 \cdot 10^{-10}$	0	$8.566 \cdot 10^{-9}$	$8.566 \cdot 10^{-9}$	0
$HW^- \to \bar{t}b$	-0.0008149	-0.0008149	0	0.05868	0.05868	0
$H\gamma \to t\bar{t}$	$1.698 \cdot 10^{-18}$	$1.698 \cdot 10^{-18}$	0	0.001934	0.001934	0
$Hz \to t\bar{t}$	0.0004459	0.0004459	0	0.06373	0.06373	0
$W^+W^- \to Hb\bar{b}$	$4.19 \cdot 10^{-6}$	$4.19 \cdot 10^{-6}$	0	$5.579 \cdot 10^{-8}$	$5.579 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$2.189 \cdot 10^{-7}$	$2.189 \cdot 10^{-7}$	0	$7.92 \cdot 10^{-7}$	$7.92 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$1.798 \cdot 10^{-21}$	$1.798 \cdot 10^{-21}$	0	$5.466 \cdot 10^{-7}$	$5.466 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$1.103 \cdot 10^{-23}$	$1.103 \cdot 10^{-23}$	0	$3.492 \cdot 10^{-8}$	$3.492 \cdot 10^{-8}$	0
$t\bar{t} \to c\bar{c}$	$-5.496 \cdot 10^{-23}$	$-6.222 \cdot 10^{-23}$	-0.1321	$5.351 \cdot 10^{-8}$	$5.351 \cdot 10^{-8}$	0
$t\bar{t} \to d\bar{d}$	$1.074 \cdot 10^{-27}$	$1.074 \cdot 10^{-27}$	0	$7.236 \cdot 10^{-13}$	$7.236 \cdot 10^{-13}$	0
$t\bar{t} \to s\bar{s}$	$-4.812 \cdot 10^{-26}$	$-5.752 \cdot 10^{-27}$	0.8805	$2.87 \cdot 10^{-10}$	$2.87 \cdot 10^{-10}$	0
$t\bar{t} \to t\bar{t}$	$-7.937 \cdot 10^{-18}$	$-1.018 \cdot 10^{-17}$	-0.2824	0.004907	0.004907	0

2.152   ctHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$2.316 \cdot 10^{-5}$	$2.316 \cdot 10^{-5}$	0	$1.878 \cdot 10^{-5}$	$1.878 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	$2.177 \cdot 10^{-5}$	$2.177 \cdot 10^{-5}$	0	$1.115 \cdot 10^{-5}$	$1.115 \cdot 10^{-5}$	0
$HH \to zt\bar{t}$	$-2.04 \cdot 10^{-5}$	$-2.04 \cdot 10^{-5}$	0	$6.828 \cdot 10^{-6}$	$6.828 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$3.775 \cdot 10^{-5}$	$3.775 \cdot 10^{-5}$	0	$2.536 \cdot 10^{-6}$	$2.536 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	0.07461	0.07461	0	0.05103	0.05103	0
$H\gamma \to t\bar{t}$	-0.1021	-0.1021	0	0.00312	0.00312	0
$Hz \to t\bar{t}$	-0.01365	-0.01365	0	0.06661	0.06661	0
$W^+W^- \to Hb\bar{b}$	$2.263 \cdot 10^{-7}$	$2.263 \cdot 10^{-7}$	0	$2.103 \cdot 10^{-8}$	$2.103 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$-2.785 \cdot 10^{-7}$	$-2.785 \cdot 10^{-7}$	0	$1.309 \cdot 10^{-7}$	$1.309 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$-1.015 \cdot 10^{-5}$	$-1.015 \cdot 10^{-5}$	0	$4.813 \cdot 10^{-7}$	$4.813 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$-1.018 \cdot 10^{-6}$	$-1.018 \cdot 10^{-6}$	0	$3.099 \cdot 10^{-8}$	$3.099 \cdot 10^{-8}$	0
$t\bar{t} \to c\bar{c}$	$-1.567 \cdot 10^{-6}$	$-1.567 \cdot 10^{-6}$	0	$4.749 \cdot 10^{-8}$	$4.749 \cdot 10^{-8}$	0

$t\bar{t} \to d\bar{d}$	$-2.091 \cdot 10^{-11}$	$-2.091 \cdot 10^{-11}$	0	$6.421 \cdot 10^{-13}$	$6.421 \cdot 10^{-13}$	0
$t\bar{t} \to s\bar{s}$	$-8.381 \cdot 10^{-9}$	$-8.381 \cdot 10^{-9}$	0	$2.547 \cdot 10^{-10}$	$2.547 \cdot 10^{-10}$	0
$t\bar{t} \to t\bar{t}$	0.05876	0.05876	0	0.008661	0.008661	0

2.153 ctWIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+ \bar{t} b$	$-1.127 \cdot 10^{-5}$	$-1.127 \cdot 10^{-5}$	0	$1.906 \cdot 10^{-5}$	$1.906 \cdot 10^{-5}$	0
$HH \to z t\bar{t}$	$7.362 \cdot 10^{-8}$	$7.362 \cdot 10^{-8}$	0	$7.492 \cdot 10^{-6}$	$7.492 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-1.07 \cdot 10^{-7}$	$-1.07 \cdot 10^{-7}$	0	$1.181 \cdot 10^{-6}$	$1.181 \cdot 10^{-6}$	0
$HW^- \to \bar{t} b$	0.0001144	0.0001144	0	2.218	2.218	0
$H\gamma \to t\bar{t}$	$-2.136 \cdot 10^{-17}$	$-2.136 \cdot 10^{-17}$	0	0.559	0.559	0
$Hz \to t\bar{t}$	-0.0001875	-0.0001875	0	2.75	2.75	0
$W^+ W^- \to H b\bar{b}$	$-5.439 \cdot 10^{-7}$	$-5.439 \cdot 10^{-7}$	0	$3.313 \cdot 10^{-6}$	$3.313 \cdot 10^{-6}$	0
$W^+ W^- \to H t\bar{t}$	$4.489 \cdot 10^{-6}$	$4.489 \cdot 10^{-6}$	0	$4.096 \cdot 10^{-5}$	$4.096 \cdot 10^{-5}$	0
$\bar{b} t \to \bar{d} u$	$7.063 \cdot 10^{-18}$	$7.063 \cdot 10^{-18}$	0	0.01196	0.01196	0
$b\bar{b} \to t\bar{t}$	$-2.719 \cdot 10^{-17}$	$-2.719 \cdot 10^{-17}$	$-3.457 \cdot 10^{-6}$	0.004135	0.004135	0
$b\bar{t} \to e^- \bar{\nu}_e$	$-5.708 \cdot 10^{-18}$	$-5.708 \cdot 10^{-18}$	0	0.004018	0.004018	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$-1.151 \cdot 10^{-18}$	$-1.151 \cdot 10^{-18}$	0	0.0005207	0.0005207	0
$t\bar{t} \to \tau^+ \tau^-$	$3.469 \cdot 10^{-19}$	$3.469 \cdot 10^{-19}$	0	0.001883	0.001883	0
$t\bar{t} \to c\bar{c}$	$-1.773 \cdot 10^{-17}$	$-1.773 \cdot 10^{-17}$	$9.59 \cdot 10^{-7}$	0.005628	0.005628	0
$t\bar{t} \to d\bar{d}$	$-1.509 \cdot 10^{-18}$	$-1.509 \cdot 10^{-18}$	0	0.005779	0.005779	0
$t\bar{t} \to s\bar{s}$	$2.142 \cdot 10^{-19}$	$2.142 \cdot 10^{-19}$	$2.745 \cdot 10^{-5}$	0.001735	0.001735	0
$t\bar{t} \to t\bar{t}$	$1.607 \cdot 10^{-16}$	$1.647 \cdot 10^{-16}$	-0.02471	0.3087	0.3087	0

2.154 ctWRe

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+ \bar{t} b$	$1.032 \cdot 10^{-5}$	$1.032 \cdot 10^{-5}$	0	$2.233 \cdot 10^{-5}$	$2.233 \cdot 10^{-5}$	0
$HH \to z t \bar{t}$	$1.54 \cdot 10^{-7}$	$1.54 \cdot 10^{-7}$	0	$3.247 \cdot 10^{-5}$	$3.247 \cdot 10^{-5}$	0
$HW^+ \to \gamma t \bar{b}$	$-3.813 \cdot 10^{-7}$	$-3.813 \cdot 10^{-7}$	0	$2.461 \cdot 10^{-6}$	$2.461 \cdot 10^{-6}$	0
$HW^- \to \bar{t} b$	0.02401	0.02401	0	0.8032	0.8032	0
$H\gamma \to t \bar{t}$	0.4328	0.4328	0	0.3395	0.3395	0
$Hz \to t \bar{t}$	0.0529	0.0529	0	2.294	2.294	0
$W^+ W^- \to H b \bar{b}$	$1.882 \cdot 10^{-8}$	$1.882 \cdot 10^{-8}$	0	$2.103 \cdot 10^{-6}$	$2.103 \cdot 10^{-6}$	0
$W^+ W^- \to H t \bar{t}$	$-3.021 \cdot 10^{-6}$	$-3.021 \cdot 10^{-6}$	0	$2.257 \cdot 10^{-5}$	$2.257 \cdot 10^{-5}$	0
$\bar{b} t \to \bar{d} u$	-0.00416	-0.00416	0	0.009789	0.009789	0
$b \bar{b} \to t \bar{t}$	0.01577	0.01577	0	0.09834	0.09834	0
$b \bar{t} \to e^- \bar{\nu}_e$	-0.001624	-0.001624	0	0.003612	0.003612	0
$t \bar{t} \to \nu_\mu \bar{\nu}_\mu$	-0.001066	-0.001066	0	0.002463	0.002463	0
$t \bar{t} \to \tau^+ \tau^-$	-0.001781	-0.001781	0	0.002246	0.002246	0
$t \bar{t} \to c \bar{c}$	-0.001486	-0.001486	0	0.001989	0.001989	0
$t \bar{t} \to d \bar{d}$	-0.001193	-0.001193	0	0.005925	0.005925	0
$t \bar{t} \to s \bar{s}$	-0.006112	-0.006112	0	0.005604	0.005604	0
$t \bar{t} \to t \bar{t}$	0.4219	0.4219	0	0.28	0.28	0

2.155 ctb1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b \bar{b} \to t \bar{t}$	-0.0007115	-0.0007115	0	0.004988	0.004988	0

2.156 ctb8

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

$b\bar{b} \to t\bar{t}$	0.04995	0.04995	0	0.01023	0.01023	0

2.157   ctd1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	-0.002725	-0.002725	0	0.04044	0.04044	0
$t\bar{t} \to s\bar{s}$	-0.0249	-0.0249	0	0.429	0.429	0

2.158   ctd8

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	0.4987	0.4987	0	0.1617	0.1617	0
$t\bar{t} \to s\bar{s}$	0.03953	0.03953	0	0.006708	0.006708	0

2.159   cte

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.01072	-0.01072	0	0.0602	0.0602	0

2.160   ctj1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.01818	0.01818	0	0.4167	0.4167	0
$t\bar{t} \to d\bar{d}$	0.005199	0.005199	0	0.3886	0.3886	0

| $t\bar{t} \to s\bar{s}$ | -0.005783 | -0.005783 | 0 | 0.01098 | 0.01098 | 0 |

2.161 ctj8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.6542	0.6542	0	0.2142	0.2142	0
$t\bar{t} \to d\bar{d}$	0.4116	0.4116	0	0.1323	0.1323	0
$t\bar{t} \to s\bar{s}$	0.05608	0.05608	0	0.01229	0.01229	0

2.162 ctl

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	-0.009147	-0.009147	0	0.1282	0.1282	0
$t\bar{t} \to \tau^+ \tau^-$	-0.01352	-0.01352	0	0.1317	0.1317	0

2.163 ctt

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to t\bar{t}$	-0.002151	-0.002151	0	0.5201	0.5201	0

2.164 ctu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.03106	0.03106	0	0.2648	0.2648	0

2.165 ctu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.1169	0.1169	0	0.03283	0.03283	0

2.166 cuBIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zc\bar{c}$	$1.009 \cdot 10^{-12}$	$1.009 \cdot 10^{-12}$	$9.912 \cdot 10^{-8}$	$4.438 \cdot 10^{-12}$	$4.438 \cdot 10^{-12}$	$2.704 \cdot 10^{-7}$
$HW^+ \to \gamma u\bar{d}$	$-2.47 \cdot 10^{-16}$	$-2.47 \cdot 10^{-16}$	$-7.287 \cdot 10^{-7}$	$4.531 \cdot 10^{-16}$	$4.531 \cdot 10^{-16}$	$-1.435 \cdot 10^{-6}$
$H\gamma \to c\bar{c}$	$3.097 \cdot 10^{-25}$	$-2.202 \cdot 10^{-25}$	1.711	$2.503 \cdot 10^{-5}$	$2.503 \cdot 10^{-5}$	$2.797 \cdot 10^{-7}$
$Hz \to u\bar{u}$	$-2.349 \cdot 10^{-14}$	$-2.349 \cdot 10^{-14}$	$-7.237 \cdot 10^{-7}$	$5.576 \cdot 10^{-12}$	$5.576 \cdot 10^{-12}$	$-1.453 \cdot 10^{-6}$
$W^+W^- \to Hc\bar{c}$	$-2.049 \cdot 10^{-10}$	$-2.049 \cdot 10^{-10}$	$1.464 \cdot 10^{-7}$	$8.221 \cdot 10^{-11}$	$8.221 \cdot 10^{-11}$	$2.798 \cdot 10^{-7}$
$b\bar{b} \to u\bar{u}$	$6.513 \cdot 10^{-31}$	$3.017 \cdot 10^{-30}$	-3.633	$8.312 \cdot 10^{-14}$	$8.312 \cdot 10^{-14}$	$-1.444 \cdot 10^{-6}$
$c\bar{c} \to \mu^+\mu^-$	$2.583 \cdot 10^{-23}$	$2.583 \cdot 10^{-23}$	$2.083 \cdot 10^{-5}$	$6.239 \cdot 10^{-8}$	$6.239 \cdot 10^{-8}$	$2.725 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$-5.411 \cdot 10^{-24}$	$1.357 \cdot 10^{-24}$	1.251	$5.206 \cdot 10^{-8}$	$5.206 \cdot 10^{-8}$	$2.689 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$1.45 \cdot 10^{-21}$	$1.392 \cdot 10^{-21}$	0.04025	$1.417 \cdot 10^{-7}$	$1.417 \cdot 10^{-7}$	$2.822 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-1.819 \cdot 10^{-25}$	$-1.82 \cdot 10^{-25}$	-0.0001742	$5.412 \cdot 10^{-13}$	$5.412 \cdot 10^{-13}$	$-1.441 \cdot 10^{-6}$
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-1.473 \cdot 10^{-28}$	$-1.473 \cdot 10^{-28}$	$-6.924 \cdot 10^{-6}$	$9.957 \cdot 10^{-14}$	$9.957 \cdot 10^{-14}$	$-1.446 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$1.996 \cdot 10^{-23}$	$2.012 \cdot 10^{-23}$	-0.00813	$9.983 \cdot 10^{-8}$	$9.983 \cdot 10^{-8}$	$2.805 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$7.91 \cdot 10^{-27}$	$7.984 \cdot 10^{-27}$	-0.009321	$1.562 \cdot 10^{-11}$	$1.562 \cdot 10^{-11}$	$-1.472 \cdot 10^{-6}$

2.167 cuBRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zc\bar{c}$	$2.459 \cdot 10^{-11}$	$2.459 \cdot 10^{-11}$	$1.22 \cdot 10^{-7}$	$4.451 \cdot 10^{-12}$	$4.451 \cdot 10^{-12}$	$2.92 \cdot 10^{-7}$

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	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HW^+ \to \gamma u\bar{d}$	$7.907 \cdot 10^{-16}$	$7.907 \cdot 10^{-16}$	$-7.335 \cdot 10^{-7}$	$4.531 \cdot 10^{-16}$	$4.531 \cdot 10^{-16}$	$-1.435 \cdot 10^{-6}$
$H\gamma \to c\bar{c}$	$3.683 \cdot 10^{-9}$	$3.683 \cdot 10^{-9}$	$1.357 \cdot 10^{-7}$	$2.503 \cdot 10^{-5}$	$2.503 \cdot 10^{-5}$	$2.797 \cdot 10^{-7}$
$Hz \to u\bar{u}$	$2.466 \cdot 10^{-12}$	$2.466 \cdot 10^{-12}$	$-7.3 \cdot 10^{-7}$	$5.576 \cdot 10^{-12}$	$5.576 \cdot 10^{-12}$	$-1.453 \cdot 10^{-6}$
$W^+W^- \to Hc\bar{c}$	$-4.882 \cdot 10^{-8}$	$-4.882 \cdot 10^{-8}$	$1.434 \cdot 10^{-7}$	$8.32 \cdot 10^{-11}$	$8.32 \cdot 10^{-11}$	$2.885 \cdot 10^{-7}$
$b\bar{b} \to u\bar{u}$	$8.089 \cdot 10^{-14}$	$8.089 \cdot 10^{-14}$	$-7.294 \cdot 10^{-7}$	$8.312 \cdot 10^{-14}$	$8.312 \cdot 10^{-14}$	$-1.444 \cdot 10^{-6}$
$c\bar{c} \to \mu^+\mu^-$	$-2.054 \cdot 10^{-7}$	$-2.054 \cdot 10^{-7}$	$1.46 \cdot 10^{-7}$	$6.239 \cdot 10^{-8}$	$6.239 \cdot 10^{-8}$	$2.885 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$1.65 \cdot 10^{-8}$	$1.65 \cdot 10^{-8}$	$1.818 \cdot 10^{-7}$	$5.206 \cdot 10^{-8}$	$5.206 \cdot 10^{-8}$	$2.881 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$4.071 \cdot 10^{-7}$	$4.071 \cdot 10^{-7}$	$1.474 \cdot 10^{-7}$	$1.417 \cdot 10^{-7}$	$1.417 \cdot 10^{-7}$	$2.822 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-2.561 \cdot 10^{-13}$	$-2.561 \cdot 10^{-13}$	$-7.028 \cdot 10^{-7}$	$5.412 \cdot 10^{-13}$	$5.412 \cdot 10^{-13}$	$-1.441 \cdot 10^{-6}$
$u\bar{u} \to \nu_e\bar{\nu}_e$	$3.817 \cdot 10^{-14}$	$3.817 \cdot 10^{-14}$	$-7.074 \cdot 10^{-7}$	$9.957 \cdot 10^{-14}$	$9.957 \cdot 10^{-14}$	$-1.446 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$-8.454 \cdot 10^{-8}$	$-8.454 \cdot 10^{-8}$	$1.419 \cdot 10^{-7}$	$9.983 \cdot 10^{-8}$	$9.983 \cdot 10^{-8}$	$2.805 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$3.298 \cdot 10^{-11}$	$3.298 \cdot 10^{-11}$	$-7.277 \cdot 10^{-7}$	$1.562 \cdot 10^{-11}$	$1.562 \cdot 10^{-11}$	$-1.472 \cdot 10^{-6}$

2.168 cuGIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	$2.738 \cdot 10^{-28}$	$2.005 \cdot 10^{-28}$	0.2675	$1.205 \cdot 10^{-12}$	$1.205 \cdot 10^{-12}$	$-1.411 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$-9.222 \cdot 10^{-25}$	$3.917 \cdot 10^{-24}$	5.247	$2.113 \cdot 10^{-6}$	$2.113 \cdot 10^{-6}$	$2.839 \cdot 10^{-7}$
$gg \to u\bar{u}$	$-2.137 \cdot 10^{-25}$	$-1.5 \cdot 10^{-26}$	0.9298	$1.721 \cdot 10^{-11}$	$1.721 \cdot 10^{-11}$	$-1.452 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$4.802 \cdot 10^{-23}$	$2.984 \cdot 10^{-23}$	0.3785	$1.746 \cdot 10^{-6}$	$1.746 \cdot 10^{-6}$	$2.864 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-7.944 \cdot 10^{-27}$	$-7.457 \cdot 10^{-27}$	0.0613	$1.308 \cdot 10^{-11}$	$1.308 \cdot 10^{-11}$	$-1.453 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$-1.5 \cdot 10^{-22}$	$3.526 \cdot 10^{-23}$	1.235	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	$2.954 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$1.455 \cdot 10^{-26}$	$1.442 \cdot 10^{-26}$	0.008846	$2.797 \cdot 10^{-11}$	$2.797 \cdot 10^{-11}$	$-1.43 \cdot 10^{-6}$

2.169 cuGRe

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

	mod1	mod2	1−mod2/mod1	mod1	mod2	1−mod2/mod1
$b\bar{b} \to u\bar{u}$	$-2.992 \cdot 10^{-11}$	$-2.992 \cdot 10^{-11}$	$-7.353 \cdot 10^{-7}$	$1.205 \cdot 10^{-12}$	$1.205 \cdot 10^{-12}$	$-1.411 \cdot 10^{-6}$
$d\bar{d} \to c\bar{c}$	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$2.113 \cdot 10^{-6}$	$2.113 \cdot 10^{-6}$	$2.839 \cdot 10^{-7}$
$gg \to u\bar{u}$	$-3.398 \cdot 10^{-9}$	$-3.398 \cdot 10^{-9}$	$-7.358 \cdot 10^{-7}$	$1.721 \cdot 10^{-11}$	$1.721 \cdot 10^{-11}$	$-1.452 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$-1.159 \cdot 10^{-5}$	$-1.159 \cdot 10^{-5}$	$8.631 \cdot 10^{-8}$	$1.746 \cdot 10^{-6}$	$1.746 \cdot 10^{-6}$	$2.864 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-3.14 \cdot 10^{-11}$	$-3.14 \cdot 10^{-11}$	$-7.325 \cdot 10^{-7}$	$1.308 \cdot 10^{-11}$	$1.308 \cdot 10^{-11}$	$-1.453 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$-1.034 \cdot 10^{-5}$	$-1.034 \cdot 10^{-5}$	$9.669 \cdot 10^{-8}$	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	$2.954 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$-1.057 \cdot 10^{-10}$	$-1.057 \cdot 10^{-10}$	$-6.62 \cdot 10^{-7}$	$2.797 \cdot 10^{-11}$	$2.797 \cdot 10^{-11}$	$-1.43 \cdot 10^{-6}$

2.170   cuHIm

	interference			square		
	mod1	mod2	1−mod2/mod1	mod1	mod2	1−mod2/mod1
$HH \to Hu\bar{u}$	$-3.314 \cdot 10^{-26}$	$-3.314 \cdot 10^{-26}$	$-5.733 \cdot 10^{-7}$	$3.438 \cdot 10^{-16}$	$3.438 \cdot 10^{-16}$	$-1.454 \cdot 10^{-6}$
$HH \to W^- u\bar{d}$	$-2.244 \cdot 10^{-16}$	$-2.244 \cdot 10^{-16}$	$-7.575 \cdot 10^{-7}$	$1.546 \cdot 10^{-15}$	$1.546 \cdot 10^{-15}$	$-1.423 \cdot 10^{-6}$
$HH \to zc\bar{c}$	$-1.934 \cdot 10^{-11}$	$-1.934 \cdot 10^{-11}$	$1.034 \cdot 10^{-7}$	$2.358 \cdot 10^{-10}$	$2.358 \cdot 10^{-10}$	$2.969 \cdot 10^{-7}$
$HW^+ \to \gamma u\bar{d}$	$7.393 \cdot 10^{-18}$	$7.393 \cdot 10^{-18}$	$-7.169 \cdot 10^{-7}$	$1.226 \cdot 10^{-16}$	$1.226 \cdot 10^{-16}$	$-1.468 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$5.121 \cdot 10^{-14}$	$5.121 \cdot 10^{-14}$	$-7.225 \cdot 10^{-7}$	$9.727 \cdot 10^{-12}$	$9.727 \cdot 10^{-12}$	$-1.439 \cdot 10^{-6}$
$H\gamma \to c\bar{c}$	$-2.117 \cdot 10^{-22}$	$7.043 \cdot 10^{-27}$	1	$2.454 \cdot 10^{-7}$	$2.454 \cdot 10^{-7}$	$2.853 \cdot 10^{-7}$
$Hz \to u\bar{u}$	$-7.455 \cdot 10^{-16}$	$-7.455 \cdot 10^{-16}$	$-7.244 \cdot 10^{-7}$	$1.816 \cdot 10^{-11}$	$1.816 \cdot 10^{-11}$	$-1.432 \cdot 10^{-6}$
$W^+ W^- \to Hc\bar{c}$	$-6.224 \cdot 10^{-12}$	$-6.224 \cdot 10^{-12}$	$1.446 \cdot 10^{-7}$	$5.998 \cdot 10^{-12}$	$5.998 \cdot 10^{-12}$	$2.668 \cdot 10^{-7}$
$W^+ W^- \to Hd\bar{d}$	$1.005 \cdot 10^{-17}$	$1.005 \cdot 10^{-17}$	$-6.968 \cdot 10^{-7}$	$6.597 \cdot 10^{-29}$	$6.597 \cdot 10^{-29}$	$-1.44 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$1.861 \cdot 10^{-31}$	$1.202 \cdot 10^{-31}$	0.3542	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.45 \cdot 10^{-6}$
$c\bar{c} \to \mu^+ \mu^-$	$2.559 \cdot 10^{-30}$	$3.951 \cdot 10^{-30}$	-0.5437	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$-3.456 \cdot 10^{-32}$	$-4.278 \cdot 10^{-32}$	-0.2378	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$-5.51 \cdot 10^{-25}$	$-2.752 \cdot 10^{-25}$	0.5004	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-1.571 \cdot 10^{-35}$	$-1.564 \cdot 10^{-35}$	0.004842	$9.731 \cdot 10^{-23}$	$9.731 \cdot 10^{-23}$	$-1.449 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$-5.26 \cdot 10^{-33}$	$-1.048 \cdot 10^{-32}$	-0.9927	$1.553 \cdot 10^{-17}$	$1.553 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$-5.276 \cdot 10^{-28}$	$-7.006 \cdot 10^{-28}$	-0.3279	$1.147 \cdot 10^{-22}$	$1.147 \cdot 10^{-22}$	$-1.483 \cdot 10^{-6}$

2.171 cuHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Hu\bar{u}$	$-2.209 \cdot 10^{-16}$	$-2.209 \cdot 10^{-16}$	$-6.791 \cdot 10^{-7}$	$3.207 \cdot 10^{-16}$	$3.207 \cdot 10^{-16}$	$-1.434 \cdot 10^{-6}$
$HH \to W^- u\bar{d}$	$-1.572 \cdot 10^{-15}$	$-1.572 \cdot 10^{-15}$	$-6.998 \cdot 10^{-7}$	$1.531 \cdot 10^{-15}$	$1.531 \cdot 10^{-15}$	$-1.437 \cdot 10^{-6}$
$HH \to zc\bar{c}$	$-5.049 \cdot 10^{-11}$	$-5.049 \cdot 10^{-11}$	$1.387 \cdot 10^{-7}$	$1.734 \cdot 10^{-10}$	$1.734 \cdot 10^{-10}$	$2.884 \cdot 10^{-7}$
$HW^+ \to \gamma u\bar{d}$	$2.123 \cdot 10^{-17}$	$2.123 \cdot 10^{-17}$	$-7.066 \cdot 10^{-7}$	$2.249 \cdot 10^{-19}$	$2.249 \cdot 10^{-19}$	$-1.468 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$-1.665 \cdot 10^{-11}$	$-1.665 \cdot 10^{-11}$	$-7.206 \cdot 10^{-7}$	$9.985 \cdot 10^{-12}$	$9.985 \cdot 10^{-12}$	$-1.442 \cdot 10^{-6}$
$H\gamma \to c\bar{c}$	$-3.488 \cdot 10^{-6}$	$-3.488 \cdot 10^{-6}$	$1.434 \cdot 10^{-7}$	$1.057 \cdot 10^{-7}$	$1.057 \cdot 10^{-7}$	$2.838 \cdot 10^{-7}$
$Hz \to u\bar{u}$	$-8.833 \cdot 10^{-13}$	$-8.833 \cdot 10^{-13}$	$-7.246 \cdot 10^{-7}$	$9.44 \cdot 10^{-12}$	$9.44 \cdot 10^{-12}$	$-1.451 \cdot 10^{-6}$
$W^+W^- \to Hc\bar{c}$	$-5.46 \cdot 10^{-11}$	$-5.46 \cdot 10^{-11}$	$1.282 \cdot 10^{-7}$	$1.223 \cdot 10^{-12}$	$1.223 \cdot 10^{-12}$	$3.272 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$6.816 \cdot 10^{-17}$	$6.816 \cdot 10^{-17}$	$-7.189 \cdot 10^{-7}$	$1.218 \cdot 10^{-27}$	$1.218 \cdot 10^{-27}$	$-1.396 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-2.761 \cdot 10^{-15}$	$-2.761 \cdot 10^{-15}$	$-7.243 \cdot 10^{-7}$	$8.413 \cdot 10^{-17}$	$8.413 \cdot 10^{-17}$	$-1.45 \cdot 10^{-6}$
$c\bar{c} \to \mu^+\mu^-$	$-2.058 \cdot 10^{-13}$	$-2.058 \cdot 10^{-13}$	$1.457 \cdot 10^{-7}$	$6.195 \cdot 10^{-15}$	$6.195 \cdot 10^{-15}$	$2.744 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$-1.192 \cdot 10^{-15}$	$-1.192 \cdot 10^{-15}$	$1.678 \cdot 10^{-7}$	$3.63 \cdot 10^{-17}$	$3.63 \cdot 10^{-17}$	$2.755 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$-1.543 \cdot 10^{-6}$	$-1.543 \cdot 10^{-6}$	$1.945 \cdot 10^{-7}$	$4.676 \cdot 10^{-8}$	$4.676 \cdot 10^{-8}$	$2.78 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-1.753 \cdot 10^{-21}$	$-1.753 \cdot 10^{-21}$	$-7.418 \cdot 10^{-7}$	$9.443 \cdot 10^{-23}$	$9.443 \cdot 10^{-23}$	$-1.451 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$-5.159 \cdot 10^{-16}$	$-5.159 \cdot 10^{-16}$	$-2.908 \cdot 10^{-7}$	$3.107 \cdot 10^{-17}$	$3.107 \cdot 10^{-17}$	$-5.794 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$3.425 \cdot 10^{-11}$	$3.425 \cdot 10^{-11}$	$-7.007 \cdot 10^{-7}$	$1.994 \cdot 10^{-22}$	$1.994 \cdot 10^{-22}$	$-1.454 \cdot 10^{-6}$

2.172 cuWIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^- u\bar{d}$	$4.98 \cdot 10^{-18}$	$4.98 \cdot 10^{-18}$	$-7.229 \cdot 10^{-7}$	$7.452 \cdot 10^{-16}$	$7.452 \cdot 10^{-16}$	$-1.449 \cdot 10^{-6}$
$HH \to zc\bar{c}$	$-8.463 \cdot 10^{-12}$	$-8.463 \cdot 10^{-12}$	$1.418 \cdot 10^{-7}$	$2.44 \cdot 10^{-11}$	$2.44 \cdot 10^{-11}$	$2.868 \cdot 10^{-7}$
$HW^+ \to \gamma u\bar{d}$	$-2.976 \cdot 10^{-15}$	$-2.976 \cdot 10^{-15}$	$-7.056 \cdot 10^{-7}$	$8.18 \cdot 10^{-15}$	$8.18 \cdot 10^{-15}$	$-1.455 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$-3.109 \cdot 10^{-14}$	$-3.109 \cdot 10^{-14}$	$-7.076 \cdot 10^{-7}$	$3.594 \cdot 10^{-11}$	$3.594 \cdot 10^{-11}$	$-1.447 \cdot 10^{-6}$

	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$H\gamma \to c\bar{c}$	$2.584 \cdot 10^{-21}$	$2.584 \cdot 10^{-21}$	$2.016 \cdot 10^{-5}$	$3.307 \cdot 10^{-5}$	$3.307 \cdot 10^{-5}$	$2.722 \cdot 10^{-7}$
$Hz \to u\bar{u}$	$-4.162 \cdot 10^{-14}$	$-4.162 \cdot 10^{-14}$	$-7.208 \cdot 10^{-7}$	$2.807 \cdot 10^{-11}$	$2.807 \cdot 10^{-11}$	$-1.46 \cdot 10^{-6}$
$W^+W^- \to Hc\bar{c}$	$-8.426 \cdot 10^{-11}$	$-8.426 \cdot 10^{-11}$	$1.424 \cdot 10^{-7}$	$1.301 \cdot 10^{-10}$	$1.301 \cdot 10^{-10}$	$2.306 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$4.914 \cdot 10^{-17}$	$4.914 \cdot 10^{-17}$	$-7.123 \cdot 10^{-7}$	$6.476 \cdot 10^{-26}$	$6.476 \cdot 10^{-26}$	$-1.451 \cdot 10^{-6}$
$\bar{b}t \to \bar{d}u$	$1.788 \cdot 10^{-27}$	$1.698 \cdot 10^{-27}$	0.05027	$3.366 \cdot 10^{-13}$	$3.366 \cdot 10^{-13}$	$-1.456 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-7.519 \cdot 10^{-29}$	$-3.676 \cdot 10^{-29}$	0.5111	$6.943 \cdot 10^{-13}$	$6.943 \cdot 10^{-13}$	$-1.44 \cdot 10^{-6}$
$c\bar{c} \to \mu^+\mu^-$	$-2.002 \cdot 10^{-22}$	$-2.002 \cdot 10^{-22}$	$1.798 \cdot 10^{-6}$	$1.124 \cdot 10^{-7}$	$1.124 \cdot 10^{-7}$	$2.668 \cdot 10^{-7}$
$c\bar{s} \to \tau^+\nu_\tau$	$3.237 \cdot 10^{-23}$	$3.156 \cdot 10^{-23}$	0.02476	$7.05 \cdot 10^{-8}$	$7.05 \cdot 10^{-8}$	$2.695 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$-6.146 \cdot 10^{-24}$	$4.188 \cdot 10^{-24}$	1.681	$2.302 \cdot 10^{-7}$	$2.302 \cdot 10^{-7}$	$2.606 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$2.163 \cdot 10^{-21}$	$2.166 \cdot 10^{-21}$	-0.001249	$7.627 \cdot 10^{-8}$	$7.627 \cdot 10^{-8}$	$2.753 \cdot 10^{-7}$
$u\bar{d} \to \mu^+\nu_\mu$	$2.437 \cdot 10^{-28}$	$3.103 \cdot 10^{-28}$	-0.2732	$2.866 \cdot 10^{-13}$	$2.866 \cdot 10^{-13}$	$-1.465 \cdot 10^{-6}$
$u\bar{d} \to c\bar{s}$	$-1.764 \cdot 10^{-23}$	$-1.764 \cdot 10^{-23}$	$-1.077 \cdot 10^{-6}$	$6.612 \cdot 10^{-7}$	$6.612 \cdot 10^{-7}$	$2.874 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$-4.613 \cdot 10^{-26}$	$-4.59 \cdot 10^{-26}$	0.004968	$1.482 \cdot 10^{-13}$	$1.482 \cdot 10^{-13}$	$-1.417 \cdot 10^{-6}$
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-9.967 \cdot 10^{-29}$	$-9.967 \cdot 10^{-29}$	$3.431 \cdot 10^{-6}$	$2.446 \cdot 10^{-13}$	$2.446 \cdot 10^{-13}$	$-1.472 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$1.742 \cdot 10^{-24}$	$1.569 \cdot 10^{-24}$	0.09949	$1.088 \cdot 10^{-8}$	$1.088 \cdot 10^{-8}$	$2.757 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$-2.399 \cdot 10^{-27}$	$-2.789 \cdot 10^{-27}$	-0.1626	$1.598 \cdot 10^{-11}$	$1.598 \cdot 10^{-11}$	$-1.439 \cdot 10^{-6}$

2.173   cuWRe

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$HH \to W^-u\bar{d}$	$6.021 \cdot 10^{-16}$	$6.021 \cdot 10^{-16}$	$-7.142 \cdot 10^{-7}$	$5.459 \cdot 10^{-16}$	$5.459 \cdot 10^{-16}$	$-1.447 \cdot 10^{-6}$
$HH \to zc\bar{c}$	$-1.973 \cdot 10^{-10}$	$-1.973 \cdot 10^{-10}$	$1.521 \cdot 10^{-7}$	$6.769 \cdot 10^{-11}$	$6.769 \cdot 10^{-11}$	$2.807 \cdot 10^{-7}$
$HW^+ \to \gamma u\bar{d}$	$4.813 \cdot 10^{-16}$	$4.813 \cdot 10^{-16}$	$-7.064 \cdot 10^{-7}$	$2.664 \cdot 10^{-15}$	$2.664 \cdot 10^{-15}$	$-1.426 \cdot 10^{-6}$
$HW^+ \to u\bar{d}$	$-9.032 \cdot 10^{-12}$	$-9.032 \cdot 10^{-12}$	$-7.307 \cdot 10^{-7}$	$3.158 \cdot 10^{-10}$	$3.158 \cdot 10^{-10}$	$-1.456 \cdot 10^{-6}$
$H\gamma \to c\bar{c}$	$4.376 \cdot 10^{-10}$	$4.376 \cdot 10^{-10}$	$1.371 \cdot 10^{-7}$	$3.544 \cdot 10^{-5}$	$3.544 \cdot 10^{-5}$	$2.821 \cdot 10^{-7}$
$Hz \to u\bar{u}$	$-4.467 \cdot 10^{-12}$	$-4.467 \cdot 10^{-12}$	$-7.164 \cdot 10^{-7}$	$2.186 \cdot 10^{-10}$	$2.186 \cdot 10^{-10}$	$-1.464 \cdot 10^{-6}$
$W^+W^- \to Hc\bar{c}$	$-9.839 \cdot 10^{-12}$	$-9.839 \cdot 10^{-12}$	$1.321 \cdot 10^{-7}$	$5.992 \cdot 10^{-11}$	$5.992 \cdot 10^{-11}$	$2.67 \cdot 10^{-7}$
$W^+W^- \to Hd\bar{d}$	$1.685 \cdot 10^{-17}$	$1.685 \cdot 10^{-17}$	$-7.713 \cdot 10^{-7}$	$1.295 \cdot 10^{-25}$	$1.295 \cdot 10^{-25}$	$-1.39 \cdot 10^{-6}$

$\bar{b}t \to \bar{d}u$	$-1.405 \cdot 10^{-12}$	$-1.405 \cdot 10^{-12}$	$-7.12 \cdot 10^{-7}$	$1.986 \cdot 10^{-12}$	$1.986 \cdot 10^{-12}$	$-1.46 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-1.17 \cdot 10^{-12}$	$-1.17 \cdot 10^{-12}$	$-7.69 \cdot 10^{-7}$	$1.951 \cdot 10^{-13}$	$1.951 \cdot 10^{-13}$	$-1.435 \cdot 10^{-6}$
$c\bar{c} \to \mu^+\mu^-$	$-9.35 \cdot 10^{-8}$	$-9.35 \cdot 10^{-8}$	$1.39 \cdot 10^{-7}$	$1.01 \cdot 10^{-7}$	$1.01 \cdot 10^{-7}$	$2.97 \cdot 10^{-7}$
$c\bar{s} \to \tau^+\nu_\tau$	$-2.668 \cdot 10^{-7}$	$-2.668 \cdot 10^{-7}$	$1.499 \cdot 10^{-7}$	$8.351 \cdot 10^{-8}$	$8.351 \cdot 10^{-8}$	$2.754 \cdot 10^{-7}$
$d\bar{d} \to c\bar{c}$	$-2.022 \cdot 10^{-7}$	$-2.022 \cdot 10^{-7}$	$1.484 \cdot 10^{-7}$	$3.422 \cdot 10^{-7}$	$3.422 \cdot 10^{-7}$	$2.923 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$-8.935 \cdot 10^{-7}$	$-8.935 \cdot 10^{-7}$	$1.343 \cdot 10^{-7}$	$2.614 \cdot 10^{-7}$	$2.614 \cdot 10^{-7}$	$3.061 \cdot 10^{-7}$
$u\bar{d} \to \mu^+\nu_\mu$	$-3.6 \cdot 10^{-13}$	$-3.6 \cdot 10^{-13}$	$-7.222 \cdot 10^{-7}$	$6.45 \cdot 10^{-13}$	$6.45 \cdot 10^{-13}$	$-1.442 \cdot 10^{-6}$
$u\bar{d} \to c\bar{s}$	$-2.217 \cdot 10^{-7}$	$-2.217 \cdot 10^{-7}$	$1.353 \cdot 10^{-7}$	$5.136 \cdot 10^{-7}$	$5.136 \cdot 10^{-7}$	$2.726 \cdot 10^{-7}$
$u\bar{d} \to u\bar{d}$	$3.718 \cdot 10^{-12}$	$3.718 \cdot 10^{-12}$	$-7.262 \cdot 10^{-7}$	$3.838 \cdot 10^{-12}$	$3.838 \cdot 10^{-12}$	$-1.459 \cdot 10^{-6}$
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-3.696 \cdot 10^{-13}$	$-3.696 \cdot 10^{-13}$	$-7.306 \cdot 10^{-7}$	$4.08 \cdot 10^{-14}$	$4.08 \cdot 10^{-14}$	$-1.446 \cdot 10^{-6}$
$u\bar{u} \to c\bar{c}$	$-3.007 \cdot 10^{-7}$	$-3.007 \cdot 10^{-7}$	$1.33 \cdot 10^{-7}$	$3.281 \cdot 10^{-7}$	$3.281 \cdot 10^{-7}$	$2.743 \cdot 10^{-7}$
$u\bar{u} \to u\bar{u}$	$-1.088 \cdot 10^{-11}$	$-1.088 \cdot 10^{-11}$	$-7.355 \cdot 10^{-7}$	$8.248 \cdot 10^{-12}$	$8.248 \cdot 10^{-12}$	$-1.443 \cdot 10^{-6}$

2.174   cud1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	$-2.908 \cdot 10^{-5}$	$-2.908 \cdot 10^{-5}$	0	0.0005092	0.0005092	0
$u\bar{d} \to u\bar{d}$	0.007667	0.007667	0	0.09367	0.09367	0

2.175   cud8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$d\bar{d} \to c\bar{c}$	0.153	0.153	0	0.05164	0.05164	0
$u\bar{d} \to u\bar{d}$	-0.1909	-0.1909	0	0.03784	0.03784	0

2.176   cutbd1Im

$\bar{b}t \to \bar{d}u$	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$8.759 \cdot 10^{-27}$	$8.759 \cdot 10^{-27}$	$-1.336 \cdot 10^{-6}$		$7.561 \cdot 10^{-21}$	$7.561 \cdot 10^{-21}$	$-2.658 \cdot 10^{-6}$

2.177 cutbd1Re

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-5.229 \cdot 10^{-23}$	$-5.229 \cdot 10^{-23}$	$-1.32 \cdot 10^{-6}$		$2.728 \cdot 10^{-21}$	$2.728 \cdot 10^{-21}$	$-2.639 \cdot 10^{-6}$

2.178 cutbd8Im

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$1.168 \cdot 10^{-26}$	$1.168 \cdot 10^{-26}$	$-1.37 \cdot 10^{-6}$		$3.946 \cdot 10^{-21}$	$3.946 \cdot 10^{-21}$	$-2.661 \cdot 10^{-6}$

2.179 cutbd8Re

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-6.972 \cdot 10^{-23}$	$-6.972 \cdot 10^{-23}$	$-1.334 \cdot 10^{-6}$		$6.062 \cdot 10^{-22}$	$6.062 \cdot 10^{-22}$	$-2.656 \cdot 10^{-6}$

2.180 cuu1

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$u\bar{u} \to c\bar{c}$	0.00515	0.00515	0		0.09025	0.09025	0
$u\bar{u} \to u\bar{u}$	-4.436	-4.436	0		5.78	5.78	0

2.181 cuu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$u\bar{u} \to c\bar{c}$	0.4811	0.4811	0	0.3248	0.3248	0
$u\bar{u} \to u\bar{u}$	-0.07696	-0.07696	$-1.039 \cdot 10^{-7}$	0.1603	0.1603	$-1.871 \cdot 10^{-7}$

2.182 sm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	0	0	0	0.2076	0.2076	0
$HH \to HHH$	0	0	0	$7.569 \cdot 10^{-8}$	$7.569 \cdot 10^{-8}$	0
$HH \to H\tau^+\tau^-$	0	0	0	$1.874 \cdot 10^{-9}$	$1.874 \cdot 10^{-9}$	0
$HH \to Hb\bar{b}$	0	0	0	$6.841 \cdot 10^{-9}$	$6.841 \cdot 10^{-9}$	0
$HH \to Hs\bar{s}$	0	0	0	$2.871 \cdot 10^{-13}$	$2.871 \cdot 10^{-13}$	0
$HH \to Ht\bar{t}$	0	0	0	0.0001128	0.0001128	0
$HH \to Hu\bar{u}$	0	0	0	$1.85 \cdot 10^{-16}$	$1.85 \cdot 10^{-16}$	0
$HH \to Hzz$	0	0	0	$7.704 \cdot 10^{-6}$	$7.704 \cdot 10^{-6}$	0
$HH \to W^+W^-$	0	0	0	0.1075	0.1075	0
$HH \to W^+W^-\gamma$	0	0	0	$9.029 \cdot 10^{-7}$	$9.029 \cdot 10^{-7}$	0
$HH \to W^+\bar{t}b$	0	0	0	$7.439 \cdot 10^{-6}$	$7.439 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$1.367 \cdot 10^{-7}$	$1.367 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	0	0	0	$5.598 \cdot 10^{-7}$	$5.598 \cdot 10^{-7}$	0
$HH \to z\bar{b}b$	0	0	0	$6.748 \cdot 10^{-7}$	$6.748 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	0	0	0	$7.962 \cdot 10^{-8}$	$7.962 \cdot 10^{-8}$	0
$HH \to zc\bar{c}$	0	0	0	$3.811 \cdot 10^{-7}$	$3.811 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	0	0	0	$1.281 \cdot 10^{-6}$	$1.281 \cdot 10^{-6}$	0
$HH \to ze^+e^-$	0	0	0	$1.342 \cdot 10^{-8}$	$1.342 \cdot 10^{-8}$	0

Reaction						
$HH \to zt\bar{t}$	0	0	0	0.0001472	0.0001472	0
$HH \to zz$	0	0	0	0.07768	0.07768	0
$HW^+ \to \gamma t\bar{b}$	0	0	0	$6.351 \cdot 10^{-6}$	$6.351 \cdot 10^{-6}$	0
$HW^+ \to \gamma u\bar{d}$	0	0	0	$6.578 \cdot 10^{-8}$	$6.578 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	0	0	0	0.002379	0.002379	0
$HW^- \to \bar{t}b$	0	0	0	3.676	3.676	0
$HW^- \to \gamma e^- \bar{\nu}_e$	0	0	0	$1.072 \cdot 10^{-8}$	$1.072 \cdot 10^{-8}$	0
$HW^- \to \mu^- \bar{\nu}_\mu$	0	0	0	0.00765	0.00765	0
$H\gamma \to b\bar{b}$	0	0	0	0.0001074	0.0001074	0
$H\gamma \to c\bar{c}$	0	0	0	$2.802 \cdot 10^{-5}$	$2.802 \cdot 10^{-5}$	0
$H\gamma \to d\bar{d}$	0	0	0	$1.008 \cdot 10^{-10}$	$1.008 \cdot 10^{-10}$	0
$H\gamma \to e^+ e^-$	0	0	0	$6.582 \cdot 10^{-11}$	$6.582 \cdot 10^{-11}$	0
$H\gamma \to t\bar{t}$	0	0	0	1.317	1.317	0
$Hz \to \mu^+ \mu^-$	0	0	0	0.001066	0.001066	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	0	0	0	0.006498	0.006498	0
$Hz \to b\bar{b}$	0	0	0	0.01209	0.01209	0
$Hz \to s\bar{s}$	0	0	0	0.008899	0.008899	0
$Hz \to t\bar{t}$	0	0	0	2.547	2.547	0
$Hz \to u\bar{u}$	0	0	0	0.007273	0.007273	0
$W^+ W^- \to Hb\bar{b}$	0	0	0	$1.522 \cdot 10^{-6}$	$1.522 \cdot 10^{-6}$	0
$W^+ W^- \to Hc\bar{c}$	0	0	0	$2.688 \cdot 10^{-7}$	$2.688 \cdot 10^{-7}$	0
$W^+ W^- \to Hd\bar{d}$	0	0	0	$3.427 \cdot 10^{-6}$	$3.427 \cdot 10^{-6}$	0
$W^+ W^- \to Ht\bar{t}$	0	0	0	0.0001273	0.0001273	0
$W^+ W^- \to W^+ W^-$	0	0	0	122.3	122.3	0
$W^+ W^- \to \gamma\gamma$	0	0	0	0.6108	0.6108	0
$W^+ W^- \to \gamma\gamma\gamma$	0	0	0	$3.703 \cdot 10^{-7}$	$3.703 \cdot 10^{-7}$	0
$\bar{b}t \to \bar{d}u$	0	0	0	0.003057	0.003057	0
$\gamma W^+ \to z W^+$	0	0	0	534.2	534.2	0
$\mu^+ \mu^- \to \tau^+ \tau^-$	0	0	0	0.03529	0.03529	0

$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	0	0	0	9.107	9.107	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.00248	0.00248	0
$b\bar{b} \to \gamma\gamma$	0	0	0	0.0003287	0.0003287	0
$b\bar{b} \to \mu^+\mu^-$	0	0	0	0.002313	0.002313	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0	0	0	0.000166	0.000166	0
$b\bar{b} \to b\bar{b}$	0	0	0	10.58	10.58	0
$b\bar{b} \to d\bar{d}$	0	0	0	0.7544	0.7544	0
$b\bar{b} \to t\bar{t}$	0	0	0	0.3667	0.3667	0
$b\bar{b} \to u\bar{u}$	0	0	0	0.5751	0.5751	0
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.001376	0.001376	0
$c\bar{c} \to \mu^+\mu^-$	0	0	0	0.004899	0.004899	0
$c\bar{s} \to \tau^+\nu_\tau$	0	0	0	0.009832	0.009832	0
$d\bar{d} \to c\bar{c}$	0	0	0	0.5436	0.5436	0
$d\bar{d} \to e^+e^-$	0	0	0	0.000286	0.000286	0
$d\bar{d} \to s\bar{s}$	0	0	0	0.8588	0.8588	0
$e^+\nu_\mu \to e^+\nu_\mu$	0	0	0	0.006156	0.006156	0
$e^+\nu_e \to \mu^+\nu_\mu$	0	0	0	0.004769	0.004769	0
$e^+\nu_e \to e^+\nu_e$	0	0	0	0.3299	0.3299	0
$e^+\tau^- \to e^+\tau^-$	0	0	0	0.02429	0.02429	0
$e^+e^- \to \mu^+\mu^-$	0	0	0	0.01065	0.01065	0
$e^+e^- \to e^+e^-$	0	0	0	79.23	79.23	0
$gg \to gg$	0	0	0	61.57	61.57	0
$gg \to ggg$	0	0	0	0.1082	0.1082	0
$gg \to t\bar{t}$	0	0	0	0.6354	0.6354	0
$gg \to u\bar{u}$	0	0	0	7.722	7.722	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.00436	0.00436	0
$s\bar{s} \to s\bar{s}$	0	0	0	2.254	2.254	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.001167	0.001167	0
$t\bar{t} \to \tau^+\tau^-$	0	0	0	0.001286	0.001286	0

$t\bar{t} \to c\bar{c}$	0	0	0	1.001	1.001	0
$t\bar{t} \to d\bar{d}$	0	0	0	0.7048	0.7048	0
$t\bar{t} \to s\bar{s}$	0	0	0	0.7353	0.7353	0
$t\bar{t} \to t\bar{t}$	0	0	0	12.84	12.84	0
$u\bar{d} \to \mu^{+}\nu_{\mu}$	0	0	0	0.0003114	0.0003114	0
$u\bar{d} \to c\bar{s}$	0	0	0	0.02611	0.02611	0
$u\bar{d} \to u\bar{d}$	0	0	0	3.472	3.472	0
$u\bar{u} \to \nu_{e}\bar{\nu}_{e}$	0	0	0	0.0005142	0.0005142	0
$u\bar{u} \to c\bar{c}$	0	0	0	0.9112	0.9112	0
$u\bar{u} \to u\bar{u}$	0	0	0	98.46	98.46	0
$zz \to W^{+}W^{-}$	0	0	0	92.4	92.4	0
$zz \to zz$	0	0	0	0.07865	0.07865	0