1 By process

1.1 $HH \to HH$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-5.376 \cdot 10^{-14}$	$-5.376 \cdot 10^{-14}$	0	$2.904 \cdot 10^{-16}$	$2.904 \cdot 10^{-16}$	0
cHDD	$1.127 \cdot 10^{-14}$	$1.127 \cdot 10^{-14}$	0	$1.278 \cdot 10^{-17}$	$1.278 \cdot 10^{-17}$	0
cHG	$1.628 \cdot 10^{-12}$	$1.628 \cdot 10^{-12}$	0	$3.211 \cdot 10^{-13}$	$3.211 \cdot 10^{-13}$	0
cHW	$-4.062 \cdot 10^{-14}$	$-4.062 \cdot 10^{-14}$	0	$2 \cdot 10^{-16}$	$2 \cdot 10^{-16}$	0
cHWB	$1.122 \cdot 10^{-13}$	$1.122 \cdot 10^{-13}$	0	$1.265 \cdot 10^{-15}$	$1.265 \cdot 10^{-15}$	0
cHl3	$-4.498 \cdot 10^{-14}$	$-4.498 \cdot 10^{-14}$	0	$2.453 \cdot 10^{-16}$	$2.453 \cdot 10^{-16}$	0
cHq3	$1.703 \cdot 10^{-15}$	$1.703 \cdot 10^{-15}$	0	$3.516 \cdot 10^{-19}$	$3.516 \cdot 10^{-19}$	0
cdHRe	$-4.598 \cdot 10^{-14}$	$-4.598 \cdot 10^{-14}$	0	$2.125 \cdot 10^{-16}$	$2.125 \cdot 10^{-16}$	0
ceHRe	$-4.952 \cdot 10^{-15}$	$-4.952 \cdot 10^{-15}$	0	$2.465 \cdot 10^{-18}$	$2.465 \cdot 10^{-18}$	0
cll1	$2.282 \cdot 10^{-14}$	$2.282 \cdot 10^{-14}$	0	$6.313 \cdot 10^{-17}$	$6.313 \cdot 10^{-17}$	0
cuHRe	$-2.283 \cdot 10^{-15}$	$-2.283 \cdot 10^{-15}$	0	$5.238 \cdot 10^{-19}$	$5.238 \cdot 10^{-19}$	0
sm	0	0	0	0.1988	0.1988	0

1.2 $HH \to H\tau^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHB	$-1.655 \cdot 10^{-20}$	$-1.655 \cdot 10^{-20}$	0	$8.294 \cdot 10^{-22}$	$8.294 \cdot 10^{-22}$	0
cHDD	$3.472 \cdot 10^{-21}$	$3.472 \cdot 10^{-21}$	0	$3.648 \cdot 10^{-23}$	$3.648 \cdot 10^{-23}$	0
cHG	$-5.507 \cdot 10^{-21}$	$-5.507 \cdot 10^{-21}$	0	$2.06 \cdot 10^{-20}$	$2.06 \cdot 10^{-20}$	0
cHW	$1.375 \cdot 10^{-22}$	$1.375 \cdot 10^{-22}$	0	$1.283 \cdot 10^{-23}$	$1.283 \cdot 10^{-23}$	0
cHWB	$3.455 \cdot 10^{-20}$	$3.455 \cdot 10^{-20}$	0	$3.613 \cdot 10^{-21}$	$3.613 \cdot 10^{-21}$	0
cHl3	$1.522 \cdot 10^{-22}$	$1.522 \cdot 10^{-22}$	0	$1.574 \cdot 10^{-23}$	$1.574 \cdot 10^{-23}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHq3	$-5.763 \cdot 10^{-24}$	$-5.763 \cdot 10^{-24}$	0	$2.256 \cdot 10^{-26}$	$2.256 \cdot 10^{-26}$	0
cdHRe	$-1.416 \cdot 10^{-20}$	$-1.416 \cdot 10^{-20}$	0	$6.068 \cdot 10^{-22}$	$6.068 \cdot 10^{-22}$	0
ceHRe	$-1.525 \cdot 10^{-21}$	$-1.525 \cdot 10^{-21}$	0	$7.038 \cdot 10^{-24}$	$7.038 \cdot 10^{-24}$	0
cll1	$-7.722 \cdot 10^{-23}$	$-7.722 \cdot 10^{-23}$	0	$4.05 \cdot 10^{-24}$	$4.05 \cdot 10^{-24}$	0
cuHRe	$-7.029 \cdot 10^{-22}$	$-7.029 \cdot 10^{-22}$	0	$1.496 \cdot 10^{-24}$	$1.496 \cdot 10^{-24}$	0
sm	0	0	0	$1.471 \cdot 10^{-11}$	$1.471 \cdot 10^{-11}$	0

1.3 $HH \to Hb\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	$-5.146 \cdot 10^{-22}$	$-5.146 \cdot 10^{-22}$	0	$5.179 \cdot 10^{-23}$	$5.179 \cdot 10^{-23}$	0
cHDD	$1.079 \cdot 10^{-22}$	$1.079 \cdot 10^{-22}$	0	$2.278 \cdot 10^{-24}$	$2.278 \cdot 10^{-24}$	0
cHG	$3.146 \cdot 10^{-20}$	$3.146 \cdot 10^{-20}$	0	$4.513 \cdot 10^{-20}$	$4.513 \cdot 10^{-20}$	0
cHW	$-7.853 \cdot 10^{-22}$	$-7.853 \cdot 10^{-22}$	0	$2.812 \cdot 10^{-23}$	$2.812 \cdot 10^{-23}$	0
cHWB	$1.074 \cdot 10^{-21}$	$1.074 \cdot 10^{-21}$	0	$2.256 \cdot 10^{-22}$	$2.256 \cdot 10^{-22}$	0
cHl3	$-8.695 \cdot 10^{-22}$	$-8.695 \cdot 10^{-22}$	0	$3.447 \cdot 10^{-23}$	$3.447 \cdot 10^{-23}$	0
cHq3	$3.292 \cdot 10^{-23}$	$3.292 \cdot 10^{-23}$	0	$4.942 \cdot 10^{-26}$	$4.942 \cdot 10^{-26}$	0
cdHRe	$-4.402 \cdot 10^{-22}$	$-4.402 \cdot 10^{-22}$	0	$3.789 \cdot 10^{-23}$	$3.789 \cdot 10^{-23}$	0
ceHRe	$-4.741 \cdot 10^{-23}$	$-4.741 \cdot 10^{-23}$	0	$4.395 \cdot 10^{-25}$	$4.395 \cdot 10^{-25}$	0
cll1	$4.411 \cdot 10^{-22}$	$4.411 \cdot 10^{-22}$	0	$8.873 \cdot 10^{-24}$	$8.873 \cdot 10^{-24}$	0
cuHRe	$-2.185 \cdot 10^{-23}$	$-2.185 \cdot 10^{-23}$	0	$9.34 \cdot 10^{-26}$	$9.34 \cdot 10^{-26}$	0
sm	0	0	0	$1.547 \cdot 10^{-9}$	$1.547 \cdot 10^{-9}$	0

1.4 $HH \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	$-4.357 \cdot 10^{-10}$	$-4.357 \cdot 10^{-10}$	0	$1.095 \cdot 10^{-15}$	$1.095 \cdot 10^{-15}$	0

	0.8637	0.8637	0	0.5076	0.5076	0
cHDD	0.8637	0.8637	0	0.5076	0.5076	0
cHG	$2.934 \cdot 10^{-8}$	$2.934 \cdot 10^{-8}$	0	$1.529 \cdot 10^{-12}$	$1.529 \cdot 10^{-12}$	0
cHW	$-7.324 \cdot 10^{-10}$	$-7.324 \cdot 10^{-10}$	0	$9.526 \cdot 10^{-16}$	$9.526 \cdot 10^{-16}$	0
cHWB	1.907	1.907	0	2.475	2.475	0
cHl3	3.994	3.994	0	0.7751	0.7751	0
cHq3	$7.067 \cdot 10^{-6}$	$7.067 \cdot 10^{-6}$	0	$9.413 \cdot 10^{-7}$	$9.413 \cdot 10^{-7}$	0
cdHRe	$-3.727 \cdot 10^{-10}$	$-3.727 \cdot 10^{-10}$	0	$8.01 \cdot 10^{-16}$	$8.01 \cdot 10^{-16}$	0
ceHRe	$-4.014 \cdot 10^{-11}$	$-4.014 \cdot 10^{-11}$	0	$9.29 \cdot 10^{-18}$	$9.29 \cdot 10^{-18}$	0
cll1	-1.997	-1.997	0	0.1938	0.1938	0
cuHRe	$-1.85 \cdot 10^{-11}$	$-1.85 \cdot 10^{-11}$	0	$1.974 \cdot 10^{-18}$	$1.974 \cdot 10^{-18}$	0
sm	0	0	0	0.4532	0.4532	0

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
cHB	$-1.732 \cdot 10^{-15}$	$-1.732 \cdot 10^{-15}$	0	$2.434 \cdot 10^{-21}$	$2.434 \cdot 10^{-21}$	0
cHDD	$1.71 \cdot 10^{-7}$	$1.71 \cdot 10^{-7}$	0	$6.815 \cdot 10^{-7}$	$6.815 \cdot 10^{-7}$	0
cHG	$8.839 \cdot 10^{-14}$	$8.839 \cdot 10^{-14}$	0	$3.231 \cdot 10^{-18}$	$3.231 \cdot 10^{-18}$	0
cHW	$-2.206 \cdot 10^{-15}$	$-2.206 \cdot 10^{-15}$	0	$2.013 \cdot 10^{-21}$	$2.013 \cdot 10^{-21}$	0
cHWB	$3.776 \cdot 10^{-7}$	$3.776 \cdot 10^{-7}$	0	$3.323 \cdot 10^{-6}$	$3.323 \cdot 10^{-6}$	0
cHl3	$2.983 \cdot 10^{-6}$	$2.983 \cdot 10^{-6}$	0	$1.302 \cdot 10^{-6}$	$1.302 \cdot 10^{-6}$	0
cHq3	$7.365 \cdot 10^{-11}$	$7.365 \cdot 10^{-11}$	0	$5.099 \cdot 10^{-12}$	$5.099 \cdot 10^{-12}$	0
cdHRe	$-1.482 \cdot 10^{-15}$	$-1.482 \cdot 10^{-15}$	0	$1.781 \cdot 10^{-21}$	$1.781 \cdot 10^{-21}$	0
ceHRe	$-1.596 \cdot 10^{-16}$	$-1.596 \cdot 10^{-16}$	0	$2.065 \cdot 10^{-23}$	$2.065 \cdot 10^{-23}$	0
cll1	$-1.492 \cdot 10^{-6}$	$-1.492 \cdot 10^{-6}$	0	$3.254 \cdot 10^{-7}$	$3.254 \cdot 10^{-7}$	0
cuHRe	$-7.355 \cdot 10^{-17}$	$-7.355 \cdot 10^{-17}$	0	$4.389 \cdot 10^{-24}$	$4.389 \cdot 10^{-24}$	0
sm	0	0	0	$5.962 \cdot 10^{-6}$	$5.962 \cdot 10^{-6}$	0

1.6 $HH \rightarrow W^+ e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	$1.559 \cdot 10^{-16}$	$1.559 \cdot 10^{-16}$	0	$1.866 \cdot 10^{-23}$	$1.866 \cdot 10^{-23}$	0
cHDD	$1.328 \cdot 10^{-8}$	$1.328 \cdot 10^{-8}$	0	$8.888 \cdot 10^{-9}$	$8.888 \cdot 10^{-9}$	0
cHG	$-1.92 \cdot 10^{-15}$	$-1.92 \cdot 10^{-15}$	0	$2.691 \cdot 10^{-22}$	$2.691 \cdot 10^{-22}$	0
cHW	$4.793 \cdot 10^{-17}$	$4.793 \cdot 10^{-17}$	0	$1.677 \cdot 10^{-25}$	$1.677 \cdot 10^{-25}$	0
cHWB	$2.933 \cdot 10^{-8}$	$2.933 \cdot 10^{-8}$	0	$4.334 \cdot 10^{-8}$	$4.334 \cdot 10^{-8}$	0
cHl3	$1.029 \cdot 10^{-7}$	$1.029 \cdot 10^{-7}$	0	$3.306 \cdot 10^{-9}$	$3.306 \cdot 10^{-9}$	0
cHq3	$1.582 \cdot 10^{-11}$	$1.582 \cdot 10^{-11}$	0	$3.314 \cdot 10^{-14}$	$3.314 \cdot 10^{-14}$	0
cdHRe	$1.334 \cdot 10^{-16}$	$1.334 \cdot 10^{-16}$	0	$1.365 \cdot 10^{-23}$	$1.365 \cdot 10^{-23}$	0
ceHRe	$1.436 \cdot 10^{-17}$	$1.436 \cdot 10^{-17}$	0	$1.583 \cdot 10^{-25}$	$1.583 \cdot 10^{-25}$	0
cll1	$-5.144 \cdot 10^{-8}$	$-5.144 \cdot 10^{-8}$	0	$8.264 \cdot 10^{-10}$	$8.264 \cdot 10^{-10}$	0
cuHRe	$6.621 \cdot 10^{-18}$	$6.621 \cdot 10^{-18}$	0	$3.365 \cdot 10^{-26}$	$3.365 \cdot 10^{-26}$	0
sm	0	0	0	$1.088 \cdot 10^{-7}$	$1.088 \cdot 10^{-7}$	0

1.7 $HH \rightarrow W^- u \bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHB	$7.805 \cdot 10^{-17}$	$7.805 \cdot 10^{-17}$	0	$7.915 \cdot 10^{-25}$	$7.915 \cdot 10^{-25}$	0
cHDD	$5.618 \cdot 10^{-8}$	$5.618 \cdot 10^{-8}$	0	$1.803 \cdot 10^{-9}$	$1.803 \cdot 10^{-9}$	0
cHG	$-2.246 \cdot 10^{-14}$	$-2.246 \cdot 10^{-14}$	0	$6.439 \cdot 10^{-20}$	$6.439 \cdot 10^{-20}$	0
cHW	$5.605 \cdot 10^{-16}$	$5.605 \cdot 10^{-16}$	0	$4.012 \cdot 10^{-23}$	$4.012 \cdot 10^{-23}$	0
cHWB	$1.24 \cdot 10^{-7}$	$1.24 \cdot 10^{-7}$	0	$8.792 \cdot 10^{-9}$	$8.792 \cdot 10^{-9}$	0
cHl3	$6.63 \cdot 10^{-8}$	$6.63 \cdot 10^{-8}$	0	$3.022 \cdot 10^{-8}$	$3.022 \cdot 10^{-8}$	0
cHq3	$-2.834 \cdot 10^{-11}$	$-2.834 \cdot 10^{-11}$	0	$9.601 \cdot 10^{-14}$	$9.601 \cdot 10^{-14}$	0
cdHRe	$6.676 \cdot 10^{-17}$	$6.676 \cdot 10^{-17}$	0	$5.791 \cdot 10^{-25}$	$5.791 \cdot 10^{-25}$	0

		interference				
ceHRe	$7.19 \cdot 10^{-18}$	$7.19 \cdot 10^{-18}$	0	$6.717 \cdot 10^{-27}$	$6.717 \cdot 10^{-27}$	0
cll1	$-3.316 \cdot 10^{-8}$	$-3.316 \cdot 10^{-8}$	0	$7.558 \cdot 10^{-9}$	$7.558 \cdot 10^{-9}$	0
cuHRe	$3.314 \cdot 10^{-18}$	$3.314 \cdot 10^{-18}$	0	$1.427 \cdot 10^{-27}$	$1.427 \cdot 10^{-27}$	0
sm	0	0	0	$5.169 \cdot 10^{-7}$	$5.169 \cdot 10^{-7}$	0

1.8 $HH \to z\bar{b}b$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cG	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cH	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cHB	$1.127 \cdot 10^{-16}$	$1.127 \cdot 10^{-16}$	0	$8.302 \cdot 10^{-24}$	$8.302 \cdot 10^{-24}$	0
cHDD	$-6.016 \cdot 10^{-15}$	$-6.016 \cdot 10^{-15}$	0	$2.926 \cdot 10^{-15}$	$2.926 \cdot 10^{-15}$	0
cHG	$2.209 \cdot 10^{-15}$	$2.209 \cdot 10^{-15}$	0	$2.516 \cdot 10^{-19}$	$2.516 \cdot 10^{-19}$	0
cHW	$-5.515 \cdot 10^{-17}$	$-5.515 \cdot 10^{-17}$	0	$1.567 \cdot 10^{-22}$	$1.567 \cdot 10^{-22}$	0
cHWB	$-7.554 \cdot 10^{-15}$	$-7.554 \cdot 10^{-15}$	0	$4.364 \cdot 10^{-15}$	$4.364 \cdot 10^{-15}$	0
cHd	$-1.689 \cdot 10^{-15}$	$-1.689 \cdot 10^{-15}$	0	$2.326 \cdot 10^{-16}$	$2.326 \cdot 10^{-16}$	0
cHe	$2.195 \cdot 10^{-13}$	$2.195 \cdot 10^{-13}$	0	$6.72 \cdot 10^{-16}$	$6.72 \cdot 10^{-16}$	0
cHl1	$-1.712 \cdot 10^{-15}$	$-1.712 \cdot 10^{-15}$	0	$2.39 \cdot 10^{-16}$	$2.39 \cdot 10^{-16}$	0
cHl3	$2.352 \cdot 10^{-12}$	$2.352 \cdot 10^{-12}$	0	$7.717 \cdot 10^{-14}$	$7.717 \cdot 10^{-14}$	0
cHq1	$4.214 \cdot 10^{-15}$	$4.214 \cdot 10^{-15}$	0	$1.447 \cdot 10^{-15}$	$1.447 \cdot 10^{-15}$	0
cHq3	$-1.834 \cdot 10^{-12}$	$-1.834 \cdot 10^{-12}$	0	$4.693 \cdot 10^{-14}$	$4.693 \cdot 10^{-14}$	0
cHu	$2.283 \cdot 10^{-15}$	$2.283 \cdot 10^{-15}$	0	$4.248 \cdot 10^{-16}$	$4.248 \cdot 10^{-16}$	0
cHudRe	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cW	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cdBRe	$7.27 \cdot 10^{-16}$	$7.27 \cdot 10^{-16}$	0	$7.373 \cdot 10^{-21}$	$7.373 \cdot 10^{-21}$	0
cdGRe	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cdHRe	$9.639 \cdot 10^{-17}$	$9.639 \cdot 10^{-17}$	0	$6.075 \cdot 10^{-24}$	$6.075 \cdot 10^{-24}$	0
cdWRe	$1.317 \cdot 10^{-15}$	$1.317 \cdot 10^{-15}$	0	$2.419 \cdot 10^{-20}$	$2.419 \cdot 10^{-20}$	0

cdd	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cdd1	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
ceBRe	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
ceHRe	$1.038 \cdot 10^{-17}$	$1.038 \cdot 10^{-17}$	0	$7.045 \cdot 10^{-26}$	$7.045 \cdot 10^{-26}$	0
ceWRe	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
ced	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cee	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
ceu	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cld	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cle	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cledqRe	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
clequ1Re	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
clequ3Re	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cll	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cll1	$-1.536 \cdot 10^{-12}$	$-1.536 \cdot 10^{-12}$	0	$3.292 \cdot 10^{-14}$	$3.292 \cdot 10^{-14}$	0
clq1	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
clq3	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
clu	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cqd1	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cqd8	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cqe	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cqq1	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cqq11	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cqq3	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cqq31	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cqu1	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cqu8	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cquqd11Re	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cquqd1Re	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cquqd81Re	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cquqd8Re	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cuBRe	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cuGRe	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cuHRe	$4.786 \cdot 10^{-18}$	$4.786 \cdot 10^{-18}$	0	$1.497 \cdot 10^{-26}$	$1.497 \cdot 10^{-26}$	0
cuWRe	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cud1	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cud8	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
cuu	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
cuu1	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
sm	0	0	0	$1.547 \cdot 10^{-7}$	$1.547 \cdot 10^{-7}$	0

1.9 $HH \to zc\bar{c}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cH	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cHB	$6.945 \cdot 10^{-17}$	$6.945 \cdot 10^{-17}$	0	$2.604 \cdot 10^{-22}$	$2.604 \cdot 10^{-22}$	0
cHDD	$-1.011 \cdot 10^{-13}$	$-1.011 \cdot 10^{-13}$	0	$3.025 \cdot 10^{-14}$	$3.025 \cdot 10^{-14}$	0
cHG	$-3.635 \cdot 10^{-16}$	$-3.635 \cdot 10^{-16}$	0	$1.181 \cdot 10^{-21}$	$1.181 \cdot 10^{-21}$	0
cHW	$9.074 \cdot 10^{-18}$	$9.074 \cdot 10^{-18}$	0	$7.355 \cdot 10^{-25}$	$7.355 \cdot 10^{-25}$	0
cHWB	$-1.236 \cdot 10^{-13}$	$-1.236 \cdot 10^{-13}$	0	$4.511 \cdot 10^{-14}$	$4.511 \cdot 10^{-14}$	0
cHd	$-2.851 \cdot 10^{-14}$	$-2.851 \cdot 10^{-14}$	0	$2.405 \cdot 10^{-15}$	$2.405 \cdot 10^{-15}$	0
cHe	$-1.1 \cdot 10^{-13}$	$-1.1 \cdot 10^{-13}$	0	$9.455 \cdot 10^{-17}$	$9.455 \cdot 10^{-17}$	0
cHl1	$-2.89 \cdot 10^{-14}$	$-2.89 \cdot 10^{-14}$	0	$2.471 \cdot 10^{-15}$	$2.471 \cdot 10^{-15}$	0
cHl3	$-1.179 \cdot 10^{-12}$	$-1.179 \cdot 10^{-12}$	0	$1.086 \cdot 10^{-14}$	$1.086 \cdot 10^{-14}$	0
cHq1	$7.11 \cdot 10^{-14}$	$7.11 \cdot 10^{-14}$	0	$1.496 \cdot 10^{-14}$	$1.496 \cdot 10^{-14}$	0
cHq3	$9.196 \cdot 10^{-13}$	$9.196 \cdot 10^{-13}$	0	$6.603 \cdot 10^{-15}$	$6.603 \cdot 10^{-15}$	0

cHu	$3.853 \cdot 10^{-14}$	$3.853 \cdot 10^{-14}$	0	$4.392 \cdot 10^{-15}$	$4.392 \cdot 10^{-15}$	0
cHudRe	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cW	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cdBRe	$-3.645 \cdot 10^{-16}$	$-3.645 \cdot 10^{-16}$	0	$1.037 \cdot 10^{-21}$	$1.037 \cdot 10^{-21}$	0
cdGRe	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cdHRe	$5.94 \cdot 10^{-17}$	$5.94 \cdot 10^{-17}$	0	$1.905 \cdot 10^{-22}$	$1.905 \cdot 10^{-22}$	0
cdWRe	$-6.603 \cdot 10^{-16}$	$-6.603 \cdot 10^{-16}$	0	$3.404 \cdot 10^{-21}$	$3.404 \cdot 10^{-21}$	0
cdd	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cdd1	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
ceBRe	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
ceHRe	$6.398 \cdot 10^{-18}$	$6.398 \cdot 10^{-18}$	0	$2.21 \cdot 10^{-24}$	$2.21 \cdot 10^{-24}$	0
ceWRe	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
ced	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cee	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
ceu	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cld	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cle	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cledqRe	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
clequ1Re	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
clequ3Re	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cll	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cll1	$7.702 \cdot 10^{-13}$	$7.702 \cdot 10^{-13}$	0	$4.631 \cdot 10^{-15}$	$4.631 \cdot 10^{-15}$	0
clq1	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
clq3	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
clu	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cqd1	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cqd8	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cqe	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cqq1	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cqq11	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cqq3	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cqq31	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cqu1	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cqu8	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cquqd11Re	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cquqd1Re	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cquqd81Re	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cquqd8Re	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cuBRe	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cuGRe	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cuHRe	$2.949 \cdot 10^{-18}$	$2.949 \cdot 10^{-18}$	0	$4.696 \cdot 10^{-25}$	$4.696 \cdot 10^{-25}$	0
cuWRe	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cud1	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cud8	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
cuu	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
cuu1	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
sm	0	0	0	$3.434 \cdot 10^{-7}$	$3.434 \cdot 10^{-7}$	0

1.10 $HH \to zt\bar{t}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cH	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cHB	$1.546 \cdot 10^{-14}$	$1.546 \cdot 10^{-14}$	0	$8.127 \cdot 10^{-22}$	$8.127 \cdot 10^{-22}$	0
cHDD	$5.205 \cdot 10^{-10}$	$5.205 \cdot 10^{-10}$	0	$6.825 \cdot 10^{-13}$	$6.825 \cdot 10^{-13}$	0
cHG	$2.199 \cdot 10^{-13}$	$2.199 \cdot 10^{-13}$	0	$1.931 \cdot 10^{-18}$	$1.931 \cdot 10^{-18}$	0
cHW	$-5.488 \cdot 10^{-15}$	$-5.488 \cdot 10^{-15}$	0	$1.203 \cdot 10^{-21}$	$1.203 \cdot 10^{-21}$	0

cHWB	$5.405 \cdot 10^{-10}$	$5.405 \cdot 10^{-10}$	0	$6.904 \cdot 10^{-13}$	$6.904 \cdot 10^{-13}$	0
cHd	$1.739 \cdot 10^{-10}$	$1.739 \cdot 10^{-10}$	0	$8.128 \cdot 10^{-14}$	$8.128 \cdot 10^{-14}$	0
cHe	$-6.643 \cdot 10^{-11}$	$-6.643 \cdot 10^{-11}$	0	$1.749 \cdot 10^{-13}$	$1.749 \cdot 10^{-13}$	0
cHl1	$1.763 \cdot 10^{-10}$	$1.763 \cdot 10^{-10}$	0	$8.351 \cdot 10^{-14}$	$8.351 \cdot 10^{-14}$	0
cHl3	$-6.335 \cdot 10^{-10}$	$-6.335 \cdot 10^{-10}$	0	$9.208 \cdot 10^{-11}$	$9.208 \cdot 10^{-11}$	0
cHq1	$-4.337 \cdot 10^{-10}$	$-4.337 \cdot 10^{-10}$	0	$5.056 \cdot 10^{-13}$	$5.056 \cdot 10^{-13}$	0
cHq3	$4.673 \cdot 10^{-10}$	$4.673 \cdot 10^{-10}$	0	$8.621 \cdot 10^{-11}$	$8.621 \cdot 10^{-11}$	0
cHu	$-2.35 \cdot 10^{-10}$	$-2.35 \cdot 10^{-10}$	0	$1.485 \cdot 10^{-13}$	$1.485 \cdot 10^{-13}$	0
cHudRe	$-3.611 \cdot 10^{-13}$	$-3.611 \cdot 10^{-13}$	0	$5.304 \cdot 10^{-19}$	$5.304 \cdot 10^{-19}$	0
cW	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cdBRe	$-2.201 \cdot 10^{-13}$	$-2.201 \cdot 10^{-13}$	0	$1.919 \cdot 10^{-18}$	$1.919 \cdot 10^{-18}$	0
cdGRe	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cdHRe	$1.323 \cdot 10^{-14}$	$1.323 \cdot 10^{-14}$	0	$5.946 \cdot 10^{-22}$	$5.946 \cdot 10^{-22}$	0
cdWRe	$-5.068 \cdot 10^{-13}$	$-5.068 \cdot 10^{-13}$	0	$2.874 \cdot 10^{-17}$	$2.874 \cdot 10^{-17}$	0
cdd	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cdd1	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
ceBRe	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
ceHRe	$1.425 \cdot 10^{-15}$	$1.425 \cdot 10^{-15}$	0	$6.897 \cdot 10^{-24}$	$6.897 \cdot 10^{-24}$	0
ceWRe	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
ced	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cee	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
ceu	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cld	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cle	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cledqRe	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
clequ1Re	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
clequ3Re	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cll	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cll1	$4.257 \cdot 10^{-10}$	$4.257 \cdot 10^{-10}$	0	$2.985 \cdot 10^{-11}$	$2.985 \cdot 10^{-11}$	0

	interference			square		
clq1	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
clq3	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
clu	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cqd1	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cqd8	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cqe	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cqq1	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cqq11	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cqq3	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cqq31	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cqu1	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cqu8	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cquqd11Re	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cquqd1Re	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cquqd81Re	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cquqd8Re	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cuBRe	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cuGRe	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cuHRe	$6.567 \cdot 10^{-16}$	$6.567 \cdot 10^{-16}$	0	$1.466 \cdot 10^{-24}$	$1.466 \cdot 10^{-24}$	0
cuWRe	$1.495 \cdot 10^{-9}$	$1.495 \cdot 10^{-9}$	0	$9.093 \cdot 10^{-12}$	$9.093 \cdot 10^{-12}$	0
cud1	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cud8	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
cuu	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
cuu1	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
sm	0	0	0	$2.832 \cdot 10^{-5}$	$2.832 \cdot 10^{-5}$	0

1.11 $HH \to zz$

	interference			square		

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cG	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cH	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cHB	$-2.903 \cdot 10^{-10}$	$-2.903 \cdot 10^{-10}$	0	$5.432 \cdot 10^{-16}$	$5.432 \cdot 10^{-16}$	0
cHDD	$-2.831 \cdot 10^{-6}$	$-2.831 \cdot 10^{-6}$	0	$6.655 \cdot 10^{-8}$	$6.655 \cdot 10^{-8}$	0
cHG	$1.153 \cdot 10^{-8}$	$1.153 \cdot 10^{-8}$	0	$7.587 \cdot 10^{-13}$	$7.587 \cdot 10^{-13}$	0
cHW	$-2.879 \cdot 10^{-10}$	$-2.879 \cdot 10^{-10}$	0	$4.727 \cdot 10^{-16}$	$4.727 \cdot 10^{-16}$	0
cHWB	$-3.457 \cdot 10^{-6}$	$-3.457 \cdot 10^{-6}$	0	$9.924 \cdot 10^{-8}$	$9.924 \cdot 10^{-8}$	0
cHd	$-7.981 \cdot 10^{-7}$	$-7.981 \cdot 10^{-7}$	0	$5.29 \cdot 10^{-9}$	$5.29 \cdot 10^{-9}$	0
cHe	$-8.535 \cdot 10^{-7}$	$-8.535 \cdot 10^{-7}$	0	$6.168 \cdot 10^{-9}$	$6.168 \cdot 10^{-9}$	0
cHl1	$-8.089 \cdot 10^{-7}$	$-8.089 \cdot 10^{-7}$	0	$5.435 \cdot 10^{-9}$	$5.435 \cdot 10^{-9}$	0
cHl3	$-9.146 \cdot 10^{-6}$	$-9.146 \cdot 10^{-6}$	0	$7.084 \cdot 10^{-7}$	$7.084 \cdot 10^{-7}$	0
cHq1	$1.99 \cdot 10^{-6}$	$1.99 \cdot 10^{-6}$	0	$3.29 \cdot 10^{-8}$	$3.29 \cdot 10^{-8}$	0
cHq3	$7.132 \cdot 10^{-6}$	$7.132 \cdot 10^{-6}$	0	$4.308 \cdot 10^{-7}$	$4.308 \cdot 10^{-7}$	0
cHu	$1.079 \cdot 10^{-6}$	$1.079 \cdot 10^{-6}$	0	$9.662 \cdot 10^{-9}$	$9.662 \cdot 10^{-9}$	0
cHudRe	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cW	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cdBRe	$-2.827 \cdot 10^{-9}$	$-2.827 \cdot 10^{-9}$	0	$6.768 \cdot 10^{-14}$	$6.768 \cdot 10^{-14}$	0
cdGRe	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cdHRe	$-2.483 \cdot 10^{-10}$	$-2.483 \cdot 10^{-10}$	0	$3.975 \cdot 10^{-16}$	$3.975 \cdot 10^{-16}$	0
cdWRe	$-5.121 \cdot 10^{-9}$	$-5.121 \cdot 10^{-9}$	0	$2.221 \cdot 10^{-13}$	$2.221 \cdot 10^{-13}$	0
cdd	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cdd1	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
ceBRe	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
ceHRe	$-2.674 \cdot 10^{-11}$	$-2.674 \cdot 10^{-11}$	0	$4.61 \cdot 10^{-18}$	$4.61 \cdot 10^{-18}$	0
ceWRe	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
ced	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cee	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
ceu	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1

cld	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cle	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cledqRe	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
clequ1Re	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
clequ3Re	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cll	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cll1	$5.973 \cdot 10^{-6}$	$5.973 \cdot 10^{-6}$	0	$3.022 \cdot 10^{-7}$	$3.022 \cdot 10^{-7}$	0
clq1	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
clq3	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
clu	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cqd1	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cqd8	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cqe	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cqq1	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cqq11	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cqq3	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cqq31	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cqu1	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cqu8	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cquqd11Re	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cquqd1Re	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cquqd81Re	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cquqd8Re	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cuBRe	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cuGRe	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cuHRe	$-1.233 \cdot 10^{-11}$	$-1.233 \cdot 10^{-11}$	0	$9.797 \cdot 10^{-19}$	$9.797 \cdot 10^{-19}$	0
cuWRe	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cud1	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
cud8	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cuu	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
cuu1	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
sm	0	0	0	0.3519	0.3519	0

1.12 $HW^+ \rightarrow \gamma t\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cH	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cHB	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cHDD	$1.597 \cdot 10^{-8}$	$1.597 \cdot 10^{-8}$	0	$8.354 \cdot 10^{-10}$	$8.354 \cdot 10^{-10}$	0
cHG	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cHW	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cHWB	$3.527 \cdot 10^{-8}$	$3.527 \cdot 10^{-8}$	0	$4.073 \cdot 10^{-9}$	$4.073 \cdot 10^{-9}$	0
cHd	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cHe	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cHl1	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cHl3	$2.034 \cdot 10^{-8}$	$2.034 \cdot 10^{-8}$	0	$7.85 \cdot 10^{-9}$	$7.85 \cdot 10^{-9}$	0
cHq1	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cHq3	$-3.708 \cdot 10^{-11}$	$-3.708 \cdot 10^{-11}$	0	$2.379 \cdot 10^{-13}$	$2.379 \cdot 10^{-13}$	0
cHu	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cHudRe	$-1.761 \cdot 10^{-15}$	$-1.761 \cdot 10^{-15}$	0	$2.205 \cdot 10^{-21}$	$2.205 \cdot 10^{-21}$	0
cW	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cdBRe	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cdGRe	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cdHRe	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cdWRe	$-9.574 \cdot 10^{-14}$	$-9.574 \cdot 10^{-14}$	0	$5.201 \cdot 10^{-19}$	$5.201 \cdot 10^{-19}$	0
cdd	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1

cdd1	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
ceBRe	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
ceHRe	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
ceWRe	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
ced	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cee	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
ceu	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cld	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cle	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cledqRe	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
clequ1Re	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
clequ3Re	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cll	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cll1	$-1.016 \cdot 10^{-8}$	$-1.016 \cdot 10^{-8}$	0	$1.962 \cdot 10^{-9}$	$1.962 \cdot 10^{-9}$	0
clq1	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
clq3	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
clu	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cqd1	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cqd8	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cqe	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cqq1	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cqq11	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cqq3	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cqq31	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cqu1	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cqu8	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cquqd11Re	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cquqd1Re	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cquqd81Re	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cquqd8Re	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cuBRe	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cuGRe	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cuHRe	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cuWRe	$7.289 \cdot 10^{-12}$	$7.289 \cdot 10^{-12}$	0	$3.781 \cdot 10^{-14}$	$3.781 \cdot 10^{-14}$	0
cud1	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cud8	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
cuu	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
cuu1	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
sm	0	0	0	$1.465 \cdot 10^{-7}$	$1.465 \cdot 10^{-7}$	0

1.13 $HW^+ \to \gamma u\bar{d}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	$6.04 \cdot 10^{-11}$	$6.04 \cdot 10^{-11}$	0	$2.084 \cdot 10^{-13}$	$2.084 \cdot 10^{-13}$	0
cHWB	$1.334 \cdot 10^{-10}$	$1.334 \cdot 10^{-10}$	0	$1.016 \cdot 10^{-12}$	$1.016 \cdot 10^{-12}$	0
cHl3	$-1.509 \cdot 10^{-11}$	$-1.509 \cdot 10^{-11}$	0	$2.658 \cdot 10^{-13}$	$2.658 \cdot 10^{-13}$	0
cHq3	$-3.6 \cdot 10^{-12}$	$-3.6 \cdot 10^{-12}$	0	$8.45 \cdot 10^{-14}$	$8.45 \cdot 10^{-14}$	0
cll1	$6.646 \cdot 10^{-12}$	$6.646 \cdot 10^{-12}$	0	$1.055 \cdot 10^{-13}$	$1.055 \cdot 10^{-13}$	0
sm	0	0	0	$1.35 \cdot 10^{-8}$	$1.35 \cdot 10^{-8}$	0

1.14 $HW^+ \to u\bar{d}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	$-1.254 \cdot 10^{-5}$	$-1.254 \cdot 10^{-5}$	0	$1.785 \cdot 10^{-9}$	$1.785 \cdot 10^{-9}$	0
cHWB	$-2.768 \cdot 10^{-5}$	$-2.768 \cdot 10^{-5}$	0	$8.704 \cdot 10^{-9}$	$8.704 \cdot 10^{-9}$	0
cHl3	$-2.105 \cdot 10^{-6}$	$-2.105 \cdot 10^{-6}$	0	$4.024 \cdot 10^{-10}$	$4.024 \cdot 10^{-10}$	0

	interference			square		
cHq3	$-1.401 \cdot 10^{-11}$	$-1.401 \cdot 10^{-11}$	0	$5.661 \cdot 10^{-13}$	$5.661 \cdot 10^{-13}$	0
cll1	$1.052 \cdot 10^{-6}$	$1.052 \cdot 10^{-6}$	0	$1.01 \cdot 10^{-10}$	$1.01 \cdot 10^{-10}$	0
sm	0	0	0	0.02242	0.02242	0

1.15 $HW^- \to \gamma e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-5.668 \cdot 10^{-10}$	$-5.668 \cdot 10^{-10}$	0	$1.709 \cdot 10^{-12}$	$1.709 \cdot 10^{-12}$	0
cHWB	$-1.252 \cdot 10^{-9}$	$-1.252 \cdot 10^{-9}$	0	$8.333 \cdot 10^{-12}$	$8.333 \cdot 10^{-12}$	0
cHl3	$-2.263 \cdot 10^{-8}$	$-2.263 \cdot 10^{-8}$	0	$3.146 \cdot 10^{-10}$	$3.146 \cdot 10^{-10}$	0
cHq3	$-7.896 \cdot 10^{-10}$	$-7.896 \cdot 10^{-10}$	0	$9.678 \cdot 10^{-13}$	$9.678 \cdot 10^{-13}$	0
cll1	$1.112 \cdot 10^{-8}$	$1.112 \cdot 10^{-8}$	0	$7.642 \cdot 10^{-11}$	$7.642 \cdot 10^{-11}$	0
sm	0	0	0	$7.491 \cdot 10^{-8}$	$7.491 \cdot 10^{-8}$	0

1.16 $HW^- \to \mu^- \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHDD	$-4.232 \cdot 10^{-6}$	$-4.232 \cdot 10^{-6}$	0	$4.443 \cdot 10^{-9}$	$4.443 \cdot 10^{-9}$	0
cHWB	$-9.345 \cdot 10^{-6}$	$-9.345 \cdot 10^{-6}$	0	$2.166 \cdot 10^{-8}$	$2.166 \cdot 10^{-8}$	0
cHl3	$-1.566 \cdot 10^{-6}$	$-1.566 \cdot 10^{-6}$	0	$5.989 \cdot 10^{-9}$	$5.989 \cdot 10^{-9}$	0
cHq3	$-1.042 \cdot 10^{-11}$	$-1.042 \cdot 10^{-11}$	0	$4.22 \cdot 10^{-13}$	$4.22 \cdot 10^{-13}$	0
cll1	$7.832 \cdot 10^{-7}$	$7.832 \cdot 10^{-7}$	0	$1.497 \cdot 10^{-9}$	$1.497 \cdot 10^{-9}$	0
sm	0	0	0	0.007567	0.007567	0

1.17 $Hz \to \mu^+ \mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cH	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cHB	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cHDD	$1.212 \cdot 10^{-11}$	$1.212 \cdot 10^{-11}$	0	$2.48 \cdot 10^{-13}$	$2.48 \cdot 10^{-13}$	0
cHG	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cHW	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cHWB	$1.48 \cdot 10^{-11}$	$1.48 \cdot 10^{-11}$	0	$3.699 \cdot 10^{-13}$	$3.699 \cdot 10^{-13}$	0
cHd	$3.416 \cdot 10^{-12}$	$3.416 \cdot 10^{-12}$	0	$1.971 \cdot 10^{-14}$	$1.971 \cdot 10^{-14}$	0
cHe	$3.028 \cdot 10^{-12}$	$3.028 \cdot 10^{-12}$	0	$1.771 \cdot 10^{-14}$	$1.771 \cdot 10^{-14}$	0
cHl1	$3.463 \cdot 10^{-12}$	$3.463 \cdot 10^{-12}$	0	$2.025 \cdot 10^{-14}$	$2.025 \cdot 10^{-14}$	0
cHl3	$3.244 \cdot 10^{-11}$	$3.244 \cdot 10^{-11}$	0	$2.034 \cdot 10^{-12}$	$2.034 \cdot 10^{-12}$	0
cHq1	$-8.521 \cdot 10^{-12}$	$-8.521 \cdot 10^{-12}$	0	$1.226 \cdot 10^{-13}$	$1.226 \cdot 10^{-13}$	0
cHq3	$-2.53 \cdot 10^{-11}$	$-2.53 \cdot 10^{-11}$	0	$1.237 \cdot 10^{-12}$	$1.237 \cdot 10^{-12}$	0
cHu	$-4.617 \cdot 10^{-12}$	$-4.617 \cdot 10^{-12}$	0	$3.6 \cdot 10^{-14}$	$3.6 \cdot 10^{-14}$	0
cHudRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cW	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cdBRe	$1.003 \cdot 10^{-14}$	$1.003 \cdot 10^{-14}$	0	$1.943 \cdot 10^{-19}$	$1.943 \cdot 10^{-19}$	0
cdGRe	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cdHRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cdWRe	$1.817 \cdot 10^{-14}$	$1.817 \cdot 10^{-14}$	0	$6.376 \cdot 10^{-19}$	$6.376 \cdot 10^{-19}$	0
cdd	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cdd1	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
ceBRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
ceHRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
ceWRe	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
ced	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cee	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1

ceu	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cld	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cle	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cledqRe	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
clequ1Re	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
clequ3Re	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cll	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cll1	$-2.119 \cdot 10^{-11}$	$-2.119 \cdot 10^{-11}$	0	$8.675 \cdot 10^{-13}$	$8.675 \cdot 10^{-13}$	0
clq1	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
clq3	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
clu	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cqd1	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cqd8	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cqe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cqq1	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cqq11	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cqq3	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cqq31	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cqu1	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cqu8	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cquqd11Re	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cquqd1Re	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cquqd81Re	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cquqd8Re	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cuBRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cuGRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cuHRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cuWRe	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cud1	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1

	interference			square		
cud8	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
cuu	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
cuu1	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
sm	0	0	0	0.002818	0.002818	0

1.18 $Hz \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cH	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cHB	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cHDD	$2.089 \cdot 10^{-11}$	$2.089 \cdot 10^{-11}$	0	$4.269 \cdot 10^{-13}$	$4.269 \cdot 10^{-13}$	0
cHG	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cHW	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cHWB	$2.551 \cdot 10^{-11}$	$2.551 \cdot 10^{-11}$	0	$6.368 \cdot 10^{-13}$	$6.368 \cdot 10^{-13}$	0
cHd	$5.889 \cdot 10^{-12}$	$5.889 \cdot 10^{-12}$	0	$3.393 \cdot 10^{-14}$	$3.393 \cdot 10^{-14}$	0
cHe	$7.668 \cdot 10^{-12}$	$7.668 \cdot 10^{-12}$	0	$4.478 \cdot 10^{-14}$	$4.478 \cdot 10^{-14}$	0
cHl1	$5.97 \cdot 10^{-12}$	$5.97 \cdot 10^{-12}$	0	$3.486 \cdot 10^{-14}$	$3.486 \cdot 10^{-14}$	0
cHl3	$8.217 \cdot 10^{-11}$	$8.217 \cdot 10^{-11}$	0	$5.142 \cdot 10^{-12}$	$5.142 \cdot 10^{-12}$	0
cHq1	$-1.469 \cdot 10^{-11}$	$-1.469 \cdot 10^{-11}$	0	$2.111 \cdot 10^{-13}$	$2.111 \cdot 10^{-13}$	0
cHq3	$-6.408 \cdot 10^{-11}$	$-6.408 \cdot 10^{-11}$	0	$3.127 \cdot 10^{-12}$	$3.127 \cdot 10^{-12}$	0
cHu	$-7.959 \cdot 10^{-12}$	$-7.959 \cdot 10^{-12}$	0	$6.198 \cdot 10^{-14}$	$6.198 \cdot 10^{-14}$	0
cHudRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cW	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cdBRe	$2.54 \cdot 10^{-14}$	$2.54 \cdot 10^{-14}$	0	$4.913 \cdot 10^{-19}$	$4.913 \cdot 10^{-19}$	0
cdGRe	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cdHRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cdWRe	$4.601 \cdot 10^{-14}$	$4.601 \cdot 10^{-14}$	0	$1.612 \cdot 10^{-18}$	$1.612 \cdot 10^{-18}$	0

cdd	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cdd1	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
ceBRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
ceHRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
ceWRe	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
ced	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cee	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
ceu	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cld	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cle	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cledqRe	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
clequ1Re	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
clequ3Re	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cll	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cll1	$-5.367 \cdot 10^{-11}$	$-5.367 \cdot 10^{-11}$	0	$2.193 \cdot 10^{-12}$	$2.193 \cdot 10^{-12}$	0
clq1	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
clq3	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
clu	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cqd1	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cqd8	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cqe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cqq1	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cqq11	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cqq3	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cqq31	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cqu1	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cqu8	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cquqd11Re	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cquqd1Re	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1

	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cquqd81Re	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cquqd8Re	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cuBRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cuGRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cuHRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cuWRe	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cud1	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cud8	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
cuu	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
cuu1	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
sm	0	0	0	0.004855	0.004855	0

1.19 $Hz \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cG	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cH	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cHB	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cHDD	$5.742 \cdot 10^{-11}$	$5.742 \cdot 10^{-11}$	0	$1.174 \cdot 10^{-12}$	$1.174 \cdot 10^{-12}$	0
cHG	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cHW	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cHWB	$7.012 \cdot 10^{-11}$	$7.012 \cdot 10^{-11}$	0	$1.751 \cdot 10^{-12}$	$1.751 \cdot 10^{-12}$	0
cHd	$1.619 \cdot 10^{-11}$	$1.619 \cdot 10^{-11}$	0	$9.332 \cdot 10^{-14}$	$9.332 \cdot 10^{-14}$	0
cHe	$1.788 \cdot 10^{-11}$	$1.788 \cdot 10^{-11}$	0	$1.045 \cdot 10^{-13}$	$1.045 \cdot 10^{-13}$	0
cHl1	$1.641 \cdot 10^{-11}$	$1.641 \cdot 10^{-11}$	0	$9.588 \cdot 10^{-14}$	$9.588 \cdot 10^{-14}$	0
cHl3	$1.916 \cdot 10^{-10}$	$1.916 \cdot 10^{-10}$	0	$1.2 \cdot 10^{-11}$	$1.2 \cdot 10^{-11}$	0
cHq1	$-4.037 \cdot 10^{-11}$	$-4.037 \cdot 10^{-11}$	0	$5.805 \cdot 10^{-13}$	$5.805 \cdot 10^{-13}$	0
cHq3	$-1.494 \cdot 10^{-10}$	$-1.494 \cdot 10^{-10}$	0	$7.296 \cdot 10^{-12}$	$7.296 \cdot 10^{-12}$	0

cHu	$-2.188 \cdot 10^{-11}$	$-2.188 \cdot 10^{-11}$	0	$1.705 \cdot 10^{-13}$	$1.705 \cdot 10^{-13}$	0
cHudRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cW	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cdBRe	$5.922 \cdot 10^{-14}$	$5.922 \cdot 10^{-14}$	0	$1.146 \cdot 10^{-18}$	$1.146 \cdot 10^{-18}$	0
cdGRe	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cdHRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cdWRe	$1.073 \cdot 10^{-13}$	$1.073 \cdot 10^{-13}$	0	$3.761 \cdot 10^{-18}$	$3.761 \cdot 10^{-18}$	0
cdd	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cdd1	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
ceBRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
ceHRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
ceWRe	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
ced	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cee	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
ceu	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cld	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cle	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cledqRe	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
clequ1Re	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
clequ3Re	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cll	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cll1	$-1.251 \cdot 10^{-10}$	$-1.251 \cdot 10^{-10}$	0	$5.117 \cdot 10^{-12}$	$5.117 \cdot 10^{-12}$	0
clq1	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
clq3	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
clu	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cqd1	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cqd8	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cqe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cqq1	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cqq11	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cqq3	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cqq31	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cqu1	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cqu8	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cquqd11Re	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cquqd1Re	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cquqd81Re	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cquqd8Re	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cuBRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cuGRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cuHRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cuWRe	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cud1	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cud8	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
cuu	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
cuu1	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
sm	0	0	0	0.01335	0.01335	0

1.20 $Hz \to t\bar{t}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cG	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cH	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cHB	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cHDD	$-4.736 \cdot 10^{-8}$	$-4.736 \cdot 10^{-8}$	0	$3.34 \cdot 10^{-10}$	$3.34 \cdot 10^{-10}$	0
cHG	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cHW	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1

cHWB	$6.869 \cdot 10^{-8}$	$6.869 \cdot 10^{-8}$	0	$9.356 \cdot 10^{-10}$	$9.356 \cdot 10^{-10}$	0
cHd	$-4.95 \cdot 10^{-8}$	$-4.95 \cdot 10^{-8}$	0	$8.996 \cdot 10^{-11}$	$8.996 \cdot 10^{-11}$	0
cHe	$-4.195 \cdot 10^{-8}$	$-4.195 \cdot 10^{-8}$	0	$9.244 \cdot 10^{-11}$	$9.244 \cdot 10^{-11}$	0
cHl1	$-5.017 \cdot 10^{-8}$	$-5.017 \cdot 10^{-8}$	0	$9.243 \cdot 10^{-11}$	$9.243 \cdot 10^{-11}$	0
cHl3	$-1.258 \cdot 10^{-6}$	$-1.258 \cdot 10^{-6}$	0	$7.327 \cdot 10^{-8}$	$7.327 \cdot 10^{-8}$	0
cHq1	$1.234 \cdot 10^{-7}$	$1.234 \cdot 10^{-7}$	0	$5.596 \cdot 10^{-10}$	$5.596 \cdot 10^{-10}$	0
cHq3	$1.256 \cdot 10^{-6}$	$1.256 \cdot 10^{-6}$	0	$7.226 \cdot 10^{-8}$	$7.226 \cdot 10^{-8}$	0
cHu	$6.689 \cdot 10^{-8}$	$6.689 \cdot 10^{-8}$	0	$1.643 \cdot 10^{-10}$	$1.643 \cdot 10^{-10}$	0
cHudRe	$4.803 \cdot 10^{-10}$	$4.803 \cdot 10^{-10}$	0	$9.011 \cdot 10^{-15}$	$9.011 \cdot 10^{-15}$	0
cW	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cdBRe	$-1.389 \cdot 10^{-10}$	$-1.389 \cdot 10^{-10}$	0	$1.014 \cdot 10^{-15}$	$1.014 \cdot 10^{-15}$	0
cdGRe	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cdHRe	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cdWRe	$8.634 \cdot 10^{-10}$	$8.634 \cdot 10^{-10}$	0	$3.275 \cdot 10^{-14}$	$3.275 \cdot 10^{-14}$	0
cdd	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cdd1	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
ceBRe	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
ceHRe	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
ceWRe	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
ced	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cee	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
ceu	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cld	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cle	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cledqRe	$\color{blue}{-1.626 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.251 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
clequ1Re	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
clequ3Re	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cll	$\color{blue}{-2.289 \cdot 10^{-21}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{blue}{1.846 \cdot 10^{-37}}$	$\color{blue}{0}$	$\color{blue}{1}$
cll1	$6.976 \cdot 10^{-7}$	$6.976 \cdot 10^{-7}$	0	$2.276 \cdot 10^{-8}$	$2.276 \cdot 10^{-8}$	0

	interference			square		
clq1	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
clq3	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
clu	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cqd1	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cqd8	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cqe	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cqq1	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cqq11	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cqq3	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cqq31	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cqu1	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cqu8	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cquqd11Re	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cquqd1Re	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cquqd81Re	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cquqd8Re	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cuBRe	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cuGRe	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cuHRe	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cuWRe	$-1.989 \cdot 10^{-6}$	$-1.989 \cdot 10^{-6}$	0	$1.545 \cdot 10^{-7}$	$1.545 \cdot 10^{-7}$	0
cud1	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cud8	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
cuu	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
cuu1	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
sm	0	0	0	2.872	2.872	0

1.21 $W^+W^- \to H b\bar{b}$

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cH	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cHB	$1.568 \cdot 10^{-15}$	$1.568 \cdot 10^{-15}$	0	$2.068 \cdot 10^{-21}$	$2.068 \cdot 10^{-21}$	0
cHDD	$8.503 \cdot 10^{-6}$	$8.503 \cdot 10^{-6}$	0	$2.38 \cdot 10^{-7}$	$2.38 \cdot 10^{-7}$	0
cHG	$-8.858 \cdot 10^{-16}$	$-8.858 \cdot 10^{-16}$	0	$4.607 \cdot 10^{-19}$	$4.607 \cdot 10^{-19}$	0
cHW	$2.211 \cdot 10^{-17}$	$2.211 \cdot 10^{-17}$	0	$2.87 \cdot 10^{-22}$	$2.87 \cdot 10^{-22}$	0
cHWB	$1.878 \cdot 10^{-5}$	$1.878 \cdot 10^{-5}$	0	$1.161 \cdot 10^{-6}$	$1.161 \cdot 10^{-6}$	0
cHd	$6.812 \cdot 10^{-11}$	$6.812 \cdot 10^{-11}$	0	$3.091 \cdot 10^{-14}$	$3.091 \cdot 10^{-14}$	0
cHe	$-4.485 \cdot 10^{-11}$	$-4.485 \cdot 10^{-11}$	0	$8.039 \cdot 10^{-14}$	$8.039 \cdot 10^{-14}$	0
cHl1	$6.905 \cdot 10^{-11}$	$6.905 \cdot 10^{-11}$	0	$3.176 \cdot 10^{-14}$	$3.176 \cdot 10^{-14}$	0
cHl3	$1.475 \cdot 10^{-6}$	$1.475 \cdot 10^{-6}$	0	$1.473 \cdot 10^{-7}$	$1.473 \cdot 10^{-7}$	0
cHq1	$-1.699 \cdot 10^{-10}$	$-1.699 \cdot 10^{-10}$	0	$1.923 \cdot 10^{-13}$	$1.923 \cdot 10^{-13}$	0
cHq3	$-6.244 \cdot 10^{-10}$	$-6.244 \cdot 10^{-10}$	0	$7.156 \cdot 10^{-11}$	$7.156 \cdot 10^{-11}$	0
cHu	$-9.207 \cdot 10^{-11}$	$-9.207 \cdot 10^{-11}$	0	$5.646 \cdot 10^{-14}$	$5.646 \cdot 10^{-14}$	0
cHudRe	$-5.014 \cdot 10^{-12}$	$-5.014 \cdot 10^{-12}$	0	$7.343 \cdot 10^{-18}$	$7.343 \cdot 10^{-18}$	0
cW	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cdBRe	$-1.486 \cdot 10^{-13}$	$-1.486 \cdot 10^{-13}$	0	$8.82 \cdot 10^{-19}$	$8.82 \cdot 10^{-19}$	0
cdGRe	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cdHRe	$1.341 \cdot 10^{-15}$	$1.341 \cdot 10^{-15}$	0	$1.513 \cdot 10^{-21}$	$1.513 \cdot 10^{-21}$	0
cdWRe	$-1.611 \cdot 10^{-12}$	$-1.611 \cdot 10^{-12}$	0	$4.053 \cdot 10^{-17}$	$4.053 \cdot 10^{-17}$	0
cdd	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cdd1	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
ceBRe	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
ceHRe	$1.444 \cdot 10^{-16}$	$1.444 \cdot 10^{-16}$	$6.924 \cdot 10^{-8}$	$1.755 \cdot 10^{-23}$	$1.755 \cdot 10^{-23}$	0
ceWRe	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
ced	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cee	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
ceu	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1

cld	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cle	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cledqRe	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
clequ1Re	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
clequ3Re	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cll	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cll1	$-7.376 \cdot 10^{-7}$	$-7.376 \cdot 10^{-7}$	0	$3.681 \cdot 10^{-8}$	$3.681 \cdot 10^{-8}$	0
clq1	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
clq3	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
clu	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cqd1	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cqd8	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cqe	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cqq1	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cqq11	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cqq3	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cqq31	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cqu1	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cqu8	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cquqd11Re	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cquqd1Re	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cquqd81Re	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cquqd8Re	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cuBRe	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cuGRe	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cuHRe	$6.657 \cdot 10^{-17}$	$6.657 \cdot 10^{-17}$	$2.403 \cdot 10^{-7}$	$3.729 \cdot 10^{-24}$	$3.729 \cdot 10^{-24}$	0
cuWRe	$2.076 \cdot 10^{-8}$	$2.076 \cdot 10^{-8}$	0	$1.259 \cdot 10^{-10}$	$1.259 \cdot 10^{-10}$	0
cud1	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
cud8	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1

	interference			square		
cuu	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
cuu1	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
sm	0	0	0	$9.096 \cdot 10^{-5}$	$9.096 \cdot 10^{-5}$	0

1.22 $W^+ W^- \to H c \bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cH	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cHB	$-2.716 \cdot 10^{-18}$	$-2.716 \cdot 10^{-18}$	$7.364 \cdot 10^{-8}$	$2.901 \cdot 10^{-23}$	$2.901 \cdot 10^{-23}$	0
cHDD	$4.192 \cdot 10^{-8}$	$4.192 \cdot 10^{-8}$	0	$1.075 \cdot 10^{-9}$	$1.075 \cdot 10^{-9}$	0
cHG	$5.061 \cdot 10^{-16}$	$5.061 \cdot 10^{-16}$	0	$1.012 \cdot 10^{-19}$	$1.012 \cdot 10^{-19}$	0
cHW	$-1.263 \cdot 10^{-17}$	$-1.263 \cdot 10^{-17}$	0	$6.305 \cdot 10^{-23}$	$6.305 \cdot 10^{-23}$	0
cHWB	$9.259 \cdot 10^{-8}$	$9.259 \cdot 10^{-8}$	0	$5.241 \cdot 10^{-9}$	$5.241 \cdot 10^{-9}$	0
cHd	$-7.603 \cdot 10^{-12}$	$-7.603 \cdot 10^{-12}$	0	$5.664 \cdot 10^{-14}$	$5.664 \cdot 10^{-14}$	0
cHe	$-1.082 \cdot 10^{-11}$	$-1.082 \cdot 10^{-11}$	0	$1.397 \cdot 10^{-13}$	$1.397 \cdot 10^{-13}$	0
cHl1	$-7.707 \cdot 10^{-12}$	$-7.707 \cdot 10^{-12}$	0	$5.819 \cdot 10^{-14}$	$5.819 \cdot 10^{-14}$	0
cHl3	$1.242 \cdot 10^{-7}$	$1.242 \cdot 10^{-7}$	0	$3.785 \cdot 10^{-9}$	$3.785 \cdot 10^{-9}$	0
cHq1	$1.896 \cdot 10^{-11}$	$1.896 \cdot 10^{-11}$	0	$3.523 \cdot 10^{-13}$	$3.523 \cdot 10^{-13}$	0
cHq3	$4.774 \cdot 10^{-11}$	$4.774 \cdot 10^{-11}$	0	$8.918 \cdot 10^{-12}$	$8.918 \cdot 10^{-12}$	0
cHu	$1.028 \cdot 10^{-11}$	$1.028 \cdot 10^{-11}$	0	$1.035 \cdot 10^{-13}$	$1.035 \cdot 10^{-13}$	0
cHudRe	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cW	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cdBRe	$-3.585 \cdot 10^{-14}$	$-3.585 \cdot 10^{-14}$	0	$1.533 \cdot 10^{-18}$	$1.533 \cdot 10^{-18}$	0
cdGRe	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cdHRe	$-2.323 \cdot 10^{-18}$	$-2.323 \cdot 10^{-18}$	$8.608 \cdot 10^{-8}$	$2.123 \cdot 10^{-23}$	$2.123 \cdot 10^{-23}$	0
cdWRe	$-6.493 \cdot 10^{-14}$	$-6.493 \cdot 10^{-14}$	0	$5.03 \cdot 10^{-18}$	$5.03 \cdot 10^{-18}$	0
cdd	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1

cdd1	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
ceBRe	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
ceHRe	$-2.502 \cdot 10^{-19}$	$-2.502 \cdot 10^{-19}$	$5.995 \cdot 10^{-7}$	$2.462 \cdot 10^{-25}$	$2.462 \cdot 10^{-25}$	0
ceWRe	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
ced	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cee	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
ceu	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cld	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cle	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cledqRe	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
clequ1Re	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
clequ3Re	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cll	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cll1	$-6.208 \cdot 10^{-8}$	$-6.208 \cdot 10^{-8}$	0	$9.481 \cdot 10^{-10}$	$9.481 \cdot 10^{-10}$	0
clq1	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
clq3	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
clu	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cqd1	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cqd8	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cqe	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cqq1	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cqq11	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cqq3	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cqq31	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cqu1	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cqu8	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cquqd11Re	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cquqd1Re	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cquqd81Re	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cquqd8Re	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cuBRe	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cuGRe	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cuHRe	$-1.153 \cdot 10^{-19}$	$-1.153 \cdot 10^{-19}$	$1.214 \cdot 10^{-6}$	$5.232 \cdot 10^{-26}$	$5.232 \cdot 10^{-26}$	0
cuWRe	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cud1	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cud8	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
cuu	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
cuu1	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
sm	0	0	0	$5.211 \cdot 10^{-7}$	$5.211 \cdot 10^{-7}$	0

1.23 $W^+W^- \to H d\bar{d}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cH	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cHB	$-1.91 \cdot 10^{-21}$	$-1.91 \cdot 10^{-21}$	0.0004669	$4.741 \cdot 10^{-26}$	$4.741 \cdot 10^{-26}$	0
cHDD	$5.366 \cdot 10^{-7}$	$5.366 \cdot 10^{-7}$	0	$1.071 \cdot 10^{-8}$	$1.071 \cdot 10^{-8}$	0
cHG	$1.963 \cdot 10^{-21}$	$1.963 \cdot 10^{-21}$	$2.604 \cdot 10^{-5}$	$1.581 \cdot 10^{-24}$	$1.581 \cdot 10^{-24}$	0
cHW	$-4.894 \cdot 10^{-23}$	$-4.899 \cdot 10^{-23}$	-0.001046	$9.851 \cdot 10^{-28}$	$9.851 \cdot 10^{-28}$	0
cHWB	$1.185 \cdot 10^{-6}$	$1.185 \cdot 10^{-6}$	0	$5.223 \cdot 10^{-8}$	$5.223 \cdot 10^{-8}$	0
cHd	$-4.629 \cdot 10^{-11}$	$-4.629 \cdot 10^{-11}$	0	$8.743 \cdot 10^{-13}$	$8.743 \cdot 10^{-13}$	0
cHe	$2.692 \cdot 10^{-12}$	$2.692 \cdot 10^{-12}$	0	$1.167 \cdot 10^{-14}$	$1.167 \cdot 10^{-14}$	0
cHl1	$-4.692 \cdot 10^{-11}$	$-4.692 \cdot 10^{-11}$	0	$8.983 \cdot 10^{-13}$	$8.983 \cdot 10^{-13}$	0
cHl3	$1.328 \cdot 10^{-8}$	$1.328 \cdot 10^{-8}$	0	$2.855 \cdot 10^{-10}$	$2.855 \cdot 10^{-10}$	0
cHq1	$1.155 \cdot 10^{-10}$	$1.155 \cdot 10^{-10}$	0	$5.439 \cdot 10^{-12}$	$5.439 \cdot 10^{-12}$	0
cHq3	$-3.353 \cdot 10^{-11}$	$-3.353 \cdot 10^{-11}$	0	$6.814 \cdot 10^{-13}$	$6.814 \cdot 10^{-13}$	0
cHu	$6.256 \cdot 10^{-11}$	$6.256 \cdot 10^{-11}$	0	$1.597 \cdot 10^{-12}$	$1.597 \cdot 10^{-12}$	0

cHudRe	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cW	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cdBRe	$8.917 \cdot 10^{-15}$	$8.917 \cdot 10^{-15}$	0	$1.28 \cdot 10^{-19}$	$1.28 \cdot 10^{-19}$	0
cdGRe	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cdHRe	$-1.634 \cdot 10^{-21}$	$-1.633 \cdot 10^{-21}$	0.0005458	$3.469 \cdot 10^{-26}$	$3.469 \cdot 10^{-26}$	0
cdWRe	$1.615 \cdot 10^{-14}$	$1.615 \cdot 10^{-14}$	0	$4.2 \cdot 10^{-19}$	$4.2 \cdot 10^{-19}$	0
cdd	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cdd1	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
ceBRe	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
ceHRe	$-1.768 \cdot 10^{-22}$	$-1.759 \cdot 10^{-22}$	0.005045	$4.023 \cdot 10^{-28}$	$4.023 \cdot 10^{-28}$	0
ceWRe	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
ced	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cee	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
ceu	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cld	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cle	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cledqRe	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
clequ1Re	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
clequ3Re	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cll	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cll1	$-6.648 \cdot 10^{-9}$	$-6.648 \cdot 10^{-9}$	0	$7.159 \cdot 10^{-11}$	$7.159 \cdot 10^{-11}$	0
clq1	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
clq3	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
clu	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cqd1	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cqd8	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cqe	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cqq1	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cqq11	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1

	interference mod1	mod2	$1-\text{mod2/mod1}$	square mod1	mod2	$1-\text{mod2/mod1}$
cqq3	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cqq31	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cqu1	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cqu8	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cquqd11Re	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cquqd1Re	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cquqd81Re	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cquqd8Re	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cuBRe	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cuGRe	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cuHRe	$-8.199 \cdot 10^{-23}$	$-8.11 \cdot 10^{-23}$	0.01088	$8.55 \cdot 10^{-29}$	$8.55 \cdot 10^{-29}$	0
cuWRe	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cud1	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cud8	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
cuu	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
cuu1	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
sm	0	0	0	$9.587 \cdot 10^{-6}$	$9.587 \cdot 10^{-6}$	0

1.24 $W^+W^- \to W^+W^-$

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cG	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cH	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cHB	$-1.2 \cdot 10^{-8}$	$-1.2 \cdot 10^{-8}$	0	$2.125 \cdot 10^{-13}$	$2.125 \cdot 10^{-13}$	0
cHDD	$-9.796 \cdot 10^{-5}$	$-9.796 \cdot 10^{-5}$	0	$2.596 \cdot 10^{-6}$	$2.596 \cdot 10^{-6}$	0
cHG	$7.863 \cdot 10^{-6}$	$7.863 \cdot 10^{-6}$	0	$2.906 \cdot 10^{-10}$	$2.906 \cdot 10^{-10}$	0
cHW	$-1.963 \cdot 10^{-7}$	$-1.963 \cdot 10^{-7}$	0	$1.811 \cdot 10^{-13}$	$1.811 \cdot 10^{-13}$	0
cHWB	-0.0001196	-0.0001196	0	$3.871 \cdot 10^{-6}$	$3.871 \cdot 10^{-6}$	0

cHd	$-2.762 \cdot 10^{-5}$	$-2.762 \cdot 10^{-5}$	0	$2.063 \cdot 10^{-7}$	$2.063 \cdot 10^{-7}$	0
cHe	-0.001581	-0.001581	0	$9.088 \cdot 10^{-6}$	$9.088 \cdot 10^{-6}$	0
cHl1	$-2.8 \cdot 10^{-5}$	$-2.8 \cdot 10^{-5}$	0	$2.12 \cdot 10^{-7}$	$2.12 \cdot 10^{-7}$	0
cHl3	-0.01695	-0.01695	0	0.001044	0.001044	0
cHq1	$6.888 \cdot 10^{-5}$	$6.888 \cdot 10^{-5}$	0	$1.283 \cdot 10^{-6}$	$1.283 \cdot 10^{-6}$	0
cHq3	0.01322	0.01322	0	0.0006346	0.0006346	0
cHu	$3.733 \cdot 10^{-5}$	$3.733 \cdot 10^{-5}$	0	$3.768 \cdot 10^{-7}$	$3.768 \cdot 10^{-7}$	0
cHudRe	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cW	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cdBRe	$-5.238 \cdot 10^{-6}$	$-5.238 \cdot 10^{-6}$	0	$9.97 \cdot 10^{-11}$	$9.97 \cdot 10^{-11}$	0
cdGRe	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cdHRe	$-1.027 \cdot 10^{-8}$	$-1.027 \cdot 10^{-8}$	0	$1.555 \cdot 10^{-13}$	$1.555 \cdot 10^{-13}$	0
cdWRe	$-9.489 \cdot 10^{-6}$	$-9.489 \cdot 10^{-6}$	0	$3.272 \cdot 10^{-10}$	$3.272 \cdot 10^{-10}$	0
cdd	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cdd1	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
ceBRe	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
ceHRe	$-1.106 \cdot 10^{-9}$	$-1.106 \cdot 10^{-9}$	0	$1.804 \cdot 10^{-15}$	$1.804 \cdot 10^{-15}$	0
ceWRe	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
ced	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cee	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
ceu	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cld	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cle	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cledqRe	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
clequ1Re	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
clequ3Re	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cll	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cll1	0.01107	0.01107	0	0.0004451	0.0004451	0
clq1	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
clq3	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
clu	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cqd1	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cqd8	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cqe	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cqq1	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cqq11	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cqq3	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cqq31	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cqu1	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cqu8	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cquqd11Re	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cquqd1Re	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cquqd81Re	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cquqd8Re	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cuBRe	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cuGRe	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cuHRe	$-5.097 \cdot 10^{-10}$	$-5.097 \cdot 10^{-10}$	0	$3.833 \cdot 10^{-16}$	$3.833 \cdot 10^{-16}$	0
cuWRe	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cud1	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cud8	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
cuu	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
cuu1	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
sm	0	0	0	7.986	7.986	0

1.25 $W^+ W^- \to \gamma\gamma$

	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	0.01445	0.01445	0		$3.465 \cdot 10^{-5}$	$3.465 \cdot 10^{-5}$	0
cHWB	0.03191	0.03191	0		0.000169	0.000169	0
cHl3	0.2049	0.2049	0		0.001144	0.001144	0
cHq3	$-4.479 \cdot 10^{-5}$	$-4.479 \cdot 10^{-5}$	0		$1.791 \cdot 10^{-6}$	$1.791 \cdot 10^{-6}$	0
cll1	-0.1024	-0.1024	0		0.0002873	0.0002873	0
sm	0	0	0		1.868	1.868	0

1.26 $W^+ W^- \to \gamma\gamma\gamma$

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	$1.774 \cdot 10^{-8}$	$1.774 \cdot 10^{-8}$	0		$1.131 \cdot 10^{-10}$	$1.131 \cdot 10^{-10}$	0
cHWB	$3.918 \cdot 10^{-8}$	$3.918 \cdot 10^{-8}$	0		$5.515 \cdot 10^{-10}$	$5.515 \cdot 10^{-10}$	0
cHl3	$2.374 \cdot 10^{-8}$	$2.374 \cdot 10^{-8}$	0		$1.39 \cdot 10^{-10}$	$1.39 \cdot 10^{-10}$	0
cHq3	$-1.501 \cdot 10^{-12}$	$-1.501 \cdot 10^{-12}$	0		$2.175 \cdot 10^{-13}$	$2.175 \cdot 10^{-13}$	0
cll1	$-1.187 \cdot 10^{-8}$	$-1.187 \cdot 10^{-8}$	0		$3.489 \cdot 10^{-11}$	$3.489 \cdot 10^{-11}$	0
sm	0	0	0		$1.187 \cdot 10^{-6}$	$1.187 \cdot 10^{-6}$	0

1.27 $\bar{b}t \to \bar{d}u$

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
cHDD	$-1.212 \cdot 10^{-5}$	$-1.212 \cdot 10^{-5}$	0		$1.7 \cdot 10^{-9}$	$1.7 \cdot 10^{-9}$	0
cHWB	$-2.677 \cdot 10^{-5}$	$-2.677 \cdot 10^{-5}$	0		$8.29 \cdot 10^{-9}$	$8.29 \cdot 10^{-9}$	0
cHl3	$-1.523 \cdot 10^{-5}$	$-1.523 \cdot 10^{-5}$	0		$2.618 \cdot 10^{-9}$	$2.618 \cdot 10^{-9}$	0
cHq3	$-1.013 \cdot 10^{-10}$	$-1.013 \cdot 10^{-10}$	0		$4.096 \cdot 10^{-12}$	$4.096 \cdot 10^{-12}$	0
cll1	$7.615 \cdot 10^{-6}$	$7.615 \cdot 10^{-6}$	0		$6.572 \cdot 10^{-10}$	$6.572 \cdot 10^{-10}$	0
sm	0	0	0		0.02168	0.02168	0

1.28 $\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cH	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cHB	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cHDD	$3.975 \cdot 10^{-11}$	$3.975 \cdot 10^{-11}$	0	$8.123 \cdot 10^{-13}$	$8.123 \cdot 10^{-13}$	0
cHG	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cHW	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cHWB	$4.855 \cdot 10^{-11}$	$4.855 \cdot 10^{-11}$	0	$1.212 \cdot 10^{-12}$	$1.212 \cdot 10^{-12}$	0
cHd	$1.121 \cdot 10^{-11}$	$1.121 \cdot 10^{-11}$	0	$6.456 \cdot 10^{-14}$	$6.456 \cdot 10^{-14}$	0
cHe	$9.839 \cdot 10^{-12}$	$9.839 \cdot 10^{-12}$	0	$5.746 \cdot 10^{-14}$	$5.746 \cdot 10^{-14}$	0
cHl1	$1.136 \cdot 10^{-11}$	$1.136 \cdot 10^{-11}$	0	$6.634 \cdot 10^{-14}$	$6.634 \cdot 10^{-14}$	0
cHl3	$1.054 \cdot 10^{-10}$	$1.054 \cdot 10^{-10}$	0	$6.598 \cdot 10^{-12}$	$6.598 \cdot 10^{-12}$	0
cHq1	$-2.795 \cdot 10^{-11}$	$-2.795 \cdot 10^{-11}$	0	$4.016 \cdot 10^{-13}$	$4.016 \cdot 10^{-13}$	0
cHq3	$-8.222 \cdot 10^{-11}$	$-8.222 \cdot 10^{-11}$	0	$4.013 \cdot 10^{-12}$	$4.013 \cdot 10^{-12}$	0
cHu	$-1.515 \cdot 10^{-11}$	$-1.515 \cdot 10^{-11}$	0	$1.179 \cdot 10^{-13}$	$1.179 \cdot 10^{-13}$	0
cHudRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cW	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cdBRe	$3.259 \cdot 10^{-14}$	$3.259 \cdot 10^{-14}$	0	$6.304 \cdot 10^{-19}$	$6.304 \cdot 10^{-19}$	0
cdGRe	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cdHRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cdWRe	$5.904 \cdot 10^{-14}$	$5.904 \cdot 10^{-14}$	0	$2.069 \cdot 10^{-18}$	$2.069 \cdot 10^{-18}$	0
cdd	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cdd1	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
ceBRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
ceHRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
ceWRe	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1

ced	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cee	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
ceu	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cld	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cle	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cledqRe	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
clequ1Re	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
clequ3Re	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cll	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cll1	$-6.886 \cdot 10^{-11}$	$-6.886 \cdot 10^{-11}$	0	$2.814 \cdot 10^{-12}$	$2.814 \cdot 10^{-12}$	0
clq1	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
clq3	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
clu	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cqd1	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cqd8	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cqe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cqq1	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cqq11	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cqq3	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cqq31	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cqu1	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cqu8	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cquqd11Re	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cquqd1Re	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cquqd81Re	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cquqd8Re	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cuBRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cuGRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cuHRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1

	interference			square		
cuWRe	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cud1	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cud8	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
cuu	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
cuu1	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
sm	0	0	0	0.009237	0.009237	0

1.29 $b\bar{b} \rightarrow \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cH	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cHB	$8.153 \cdot 10^{-25}$	$7.989 \cdot 10^{-25}$	0.02011	$3.312 \cdot 10^{-26}$	$3.312 \cdot 10^{-26}$	0
cHDD	$3.018 \cdot 10^{-12}$	$3.018 \cdot 10^{-12}$	0	$5.258 \cdot 10^{-14}$	$5.258 \cdot 10^{-14}$	0
cHG	$-2.886 \cdot 10^{-23}$	$-2.889 \cdot 10^{-23}$	-0.0008915	$4.626 \cdot 10^{-23}$	$4.626 \cdot 10^{-23}$	0
cHW	$7.468 \cdot 10^{-25}$	$7.21 \cdot 10^{-25}$	0.03445	$2.882 \cdot 10^{-26}$	$2.882 \cdot 10^{-26}$	0
cHWB	$3.685 \cdot 10^{-12}$	$3.685 \cdot 10^{-12}$	0	$7.842 \cdot 10^{-14}$	$7.842 \cdot 10^{-14}$	0
cHd	$8.507 \cdot 10^{-13}$	$8.507 \cdot 10^{-13}$	0	$4.179 \cdot 10^{-15}$	$4.179 \cdot 10^{-15}$	0
cHe	$1.353 \cdot 10^{-12}$	$1.353 \cdot 10^{-12}$	0	$4.8 \cdot 10^{-15}$	$4.8 \cdot 10^{-15}$	0
cHl1	$8.623 \cdot 10^{-13}$	$8.623 \cdot 10^{-13}$	0	$4.294 \cdot 10^{-15}$	$4.294 \cdot 10^{-15}$	0
cHl3	$1.45 \cdot 10^{-11}$	$1.45 \cdot 10^{-11}$	0	$5.512 \cdot 10^{-13}$	$5.512 \cdot 10^{-13}$	0
cHq1	$-2.122 \cdot 10^{-12}$	$-2.122 \cdot 10^{-12}$	0	$2.6 \cdot 10^{-14}$	$2.6 \cdot 10^{-14}$	0
cHq3	$-1.131 \cdot 10^{-11}$	$-1.131 \cdot 10^{-11}$	0	$3.352 \cdot 10^{-13}$	$3.352 \cdot 10^{-13}$	0
cHu	$-1.15 \cdot 10^{-12}$	$-1.15 \cdot 10^{-12}$	0	$7.633 \cdot 10^{-15}$	$7.633 \cdot 10^{-15}$	0
cHudRe	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cW	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cdBRe	$4.483 \cdot 10^{-15}$	$4.483 \cdot 10^{-15}$	0	$5.266 \cdot 10^{-20}$	$5.266 \cdot 10^{-20}$	0
cdGRe	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1

cdHRe	$6.998 \cdot 10^{-25}$	$6.834 \cdot 10^{-25}$	0.02343	$2.423 \cdot 10^{-26}$	$2.423 \cdot 10^{-26}$	0
cdWRe	$8.12 \cdot 10^{-15}$	$8.12 \cdot 10^{-15}$	0	$1.728 \cdot 10^{-19}$	$1.728 \cdot 10^{-19}$	0
cdd	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cdd1	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
ceBRe	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
ceHRe	$8.999 \cdot 10^{-26}$	$7.36 \cdot 10^{-26}$	0.1822	$2.811 \cdot 10^{-28}$	$2.811 \cdot 10^{-28}$	0
ceWRe	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
ced	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cee	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
ceu	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cld	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cle	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cledqRe	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
clequ1Re	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
clequ3Re	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cll	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cll1	$-9.472 \cdot 10^{-12}$	$-9.472 \cdot 10^{-12}$	0	$2.351 \cdot 10^{-13}$	$2.351 \cdot 10^{-13}$	0
clq1	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
clq3	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
clu	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cqd1	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cqd8	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cqe	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cqq1	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cqq11	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cqq3	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cqq31	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cqu1	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cqu8	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cquqd11Re	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cquqd1Re	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cquqd81Re	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cquqd8Re	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cuBRe	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cuGRe	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cuHRe	$5.032 \cdot 10^{-26}$	$3.393 \cdot 10^{-26}$	0.3258	$5.973 \cdot 10^{-29}$	$5.973 \cdot 10^{-29}$	0
cuWRe	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cud1	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cud8	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
cuu	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
cuu1	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
sm	0	0	0	0.001059	0.001059	0

1.30 $b\bar{b} \rightarrow \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cH	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cHB	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cHDD	$1.465 \cdot 10^{-12}$	$1.465 \cdot 10^{-12}$	0	$2.994 \cdot 10^{-14}$	$2.994 \cdot 10^{-14}$	0
cHG	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cHW	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cHWB	$1.789 \cdot 10^{-12}$	$1.789 \cdot 10^{-12}$	0	$4.466 \cdot 10^{-14}$	$4.466 \cdot 10^{-14}$	0
cHd	$4.13 \cdot 10^{-13}$	$4.13 \cdot 10^{-13}$	0	$2.38 \cdot 10^{-15}$	$2.38 \cdot 10^{-15}$	0
cHe	$2.389 \cdot 10^{-12}$	$2.389 \cdot 10^{-12}$	0	$1.395 \cdot 10^{-14}$	$1.395 \cdot 10^{-14}$	0
cHl1	$4.187 \cdot 10^{-13}$	$4.187 \cdot 10^{-13}$	0	$2.445 \cdot 10^{-15}$	$2.445 \cdot 10^{-15}$	0
cHl3	$2.56 \cdot 10^{-11}$	$2.56 \cdot 10^{-11}$	0	$1.602 \cdot 10^{-12}$	$1.602 \cdot 10^{-12}$	0

cHq1	$-1.03 \cdot 10^{-12}$	$-1.03 \cdot 10^{-12}$	0	$1.48 \cdot 10^{-14}$	$1.48 \cdot 10^{-14}$	0
cHq3	$-1.997 \cdot 10^{-11}$	$-1.997 \cdot 10^{-11}$	0	$9.744 \cdot 10^{-13}$	$9.744 \cdot 10^{-13}$	0
cHu	$-5.582 \cdot 10^{-13}$	$-5.582 \cdot 10^{-13}$	0	$4.347 \cdot 10^{-15}$	$4.347 \cdot 10^{-15}$	0
cHudRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cW	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cdBRe	$7.914 \cdot 10^{-15}$	$7.914 \cdot 10^{-15}$	0	$1.531 \cdot 10^{-19}$	$1.531 \cdot 10^{-19}$	0
cdGRe	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cdHRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cdWRe	$1.434 \cdot 10^{-14}$	$1.434 \cdot 10^{-14}$	0	$5.023 \cdot 10^{-19}$	$5.023 \cdot 10^{-19}$	0
cdd	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cdd1	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
ceBRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
ceHRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
ceWRe	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
ced	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cee	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
ceu	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cld	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cle	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cledqRe	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
clequ1Re	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
clequ3Re	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cll	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cll1	$-1.672 \cdot 10^{-11}$	$-1.672 \cdot 10^{-11}$	0	$6.834 \cdot 10^{-13}$	$6.834 \cdot 10^{-13}$	0
clq1	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
clq3	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
clu	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cqd1	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cqd8	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cqe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cqq1	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cqq11	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cqq3	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cqq31	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cqu1	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cqu8	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cquqd11Re	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cquqd1Re	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cquqd81Re	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cquqd8Re	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cuBRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cuGRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cuHRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cuWRe	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cud1	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cud8	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
cuu	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
cuu1	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
sm	0	0	0	0.0003405	0.0003405	0

1.31 $b\bar{b} \to b\bar{b}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cH	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cHB	$4.338 \cdot 10^{-17}$	$4.338 \cdot 10^{-17}$	0	$3.047 \cdot 10^{-22}$	$3.047 \cdot 10^{-22}$	0
cHDD	$-7.281 \cdot 10^{-11}$	$-7.281 \cdot 10^{-11}$	0	$3.055 \cdot 10^{-13}$	$3.055 \cdot 10^{-13}$	0

cHG	$-4.032 \cdot 10^{-15}$	$-4.032 \cdot 10^{-15}$	0	$8.612 \cdot 10^{-19}$	$8.612 \cdot 10^{-19}$	0
cHW	$1.006 \cdot 10^{-16}$	$1.006 \cdot 10^{-16}$	0	$5.366 \cdot 10^{-22}$	$5.366 \cdot 10^{-22}$	0
cHWB	$-8.893 \cdot 10^{-11}$	$-8.893 \cdot 10^{-11}$	0	$4.557 \cdot 10^{-13}$	$4.557 \cdot 10^{-13}$	0
cHd	$-2.053 \cdot 10^{-11}$	$-2.053 \cdot 10^{-11}$	0	$2.428 \cdot 10^{-14}$	$2.428 \cdot 10^{-14}$	0
cHe	$-4.373 \cdot 10^{-10}$	$-4.373 \cdot 10^{-10}$	0	$4.784 \cdot 10^{-13}$	$4.784 \cdot 10^{-13}$	0
cHl1	$-2.081 \cdot 10^{-11}$	$-2.081 \cdot 10^{-11}$	0	$2.495 \cdot 10^{-14}$	$2.495 \cdot 10^{-14}$	0
cHl3	$-4.686 \cdot 10^{-9}$	$-4.686 \cdot 10^{-9}$	0	$5.494 \cdot 10^{-11}$	$5.494 \cdot 10^{-11}$	0
cHq1	$5.12 \cdot 10^{-11}$	$5.12 \cdot 10^{-11}$	0	$1.51 \cdot 10^{-13}$	$1.51 \cdot 10^{-13}$	0
cHq3	$3.654 \cdot 10^{-9}$	$3.654 \cdot 10^{-9}$	0	$3.341 \cdot 10^{-11}$	$3.341 \cdot 10^{-11}$	0
cHu	$2.774 \cdot 10^{-11}$	$2.774 \cdot 10^{-11}$	0	$4.435 \cdot 10^{-14}$	$4.435 \cdot 10^{-14}$	0
cHudRe	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cW	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cdBRe	$-1.448 \cdot 10^{-12}$	$-1.448 \cdot 10^{-12}$	0	$5.249 \cdot 10^{-18}$	$5.249 \cdot 10^{-18}$	0
cdGRe	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cdHRe	$3.711 \cdot 10^{-17}$	$3.711 \cdot 10^{-17}$	$-2.695 \cdot 10^{-8}$	$2.229 \cdot 10^{-22}$	$2.229 \cdot 10^{-22}$	0
cdWRe	$-2.624 \cdot 10^{-12}$	$-2.624 \cdot 10^{-12}$	0	$1.722 \cdot 10^{-17}$	$1.722 \cdot 10^{-17}$	0
cdd	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cdd1	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
ceBRe	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
ceHRe	$3.997 \cdot 10^{-18}$	$3.997 \cdot 10^{-18}$	$-1.001 \cdot 10^{-7}$	$2.586 \cdot 10^{-24}$	$2.586 \cdot 10^{-24}$	0
ceWRe	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
ced	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cee	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
ceu	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cld	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cle	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cledqRe	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
clequ1Re	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
clequ3Re	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1

cll	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cll1	$3.06 \cdot 10^{-9}$	$3.06 \cdot 10^{-9}$	0	$2.343 \cdot 10^{-11}$	$2.343 \cdot 10^{-11}$	0
clq1	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
clq3	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
clu	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cqd1	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cqd8	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cqe	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cqq1	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cqq11	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cqq3	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cqq31	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cqu1	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cqu8	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cquqd11Re	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cquqd1Re	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cquqd81Re	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cquqd8Re	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cuBRe	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cuGRe	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cuHRe	$1.842 \cdot 10^{-18}$	$1.842 \cdot 10^{-18}$	$-2.171 \cdot 10^{-7}$	$5.495 \cdot 10^{-25}$	$5.495 \cdot 10^{-25}$	0
cuWRe	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cud1	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cud8	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
cuu	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
cuu1	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
sm	0	0	0	2.252	2.252	0

1.32 $b\bar{b} \to t\bar{t}$

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
cG	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cH	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cHB	$-8.811 \cdot 10^{-14}$	$-8.811 \cdot 10^{-14}$	$-1.135 \cdot 10^{-8}$	$2.339 \cdot 10^{-19}$	$2.339 \cdot 10^{-19}$	0
cHDD	25.95	25.95	0	0.4018	0.4018	0
cHG	$2.606 \cdot 10^{-13}$	$2.606 \cdot 10^{-13}$	0	$3.267 \cdot 10^{-16}$	$3.267 \cdot 10^{-16}$	0
cHW	$-6.504 \cdot 10^{-15}$	$-6.504 \cdot 10^{-15}$	0	$2.035 \cdot 10^{-19}$	$2.035 \cdot 10^{-19}$	0
cHWB	57.31	57.31	0	1.959	1.959	0
cHd	$4.716 \cdot 10^{-8}$	$4.716 \cdot 10^{-8}$	0	$4.222 \cdot 10^{-14}$	$4.222 \cdot 10^{-14}$	0
cHe	$5.99 \cdot 10^{-10}$	$5.99 \cdot 10^{-10}$	0	$3.63 \cdot 10^{-14}$	$3.63 \cdot 10^{-14}$	0
cHl1	$4.781 \cdot 10^{-8}$	$4.781 \cdot 10^{-8}$	0	$4.338 \cdot 10^{-14}$	$4.338 \cdot 10^{-14}$	0
cHl3	0.08886	0.08886	0	0.001416	0.001416	0
cHq1	$-1.176 \cdot 10^{-7}$	$-1.176 \cdot 10^{-7}$	0	$2.626 \cdot 10^{-13}$	$2.626 \cdot 10^{-13}$	0
cHq3	$-1.244 \cdot 10^{-6}$	$-1.244 \cdot 10^{-6}$	0	$1.022 \cdot 10^{-7}$	$1.022 \cdot 10^{-7}$	0
cHu	$-6.374 \cdot 10^{-8}$	$-6.374 \cdot 10^{-8}$	0	$7.712 \cdot 10^{-14}$	$7.712 \cdot 10^{-14}$	0
cHudRe	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cW	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cdBRe	$1.984 \cdot 10^{-12}$	$1.984 \cdot 10^{-12}$	0	$3.983 \cdot 10^{-19}$	$3.983 \cdot 10^{-19}$	0
cdGRe	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cdHRe	$-7.537 \cdot 10^{-14}$	$-7.537 \cdot 10^{-14}$	$-1.327 \cdot 10^{-8}$	$1.712 \cdot 10^{-19}$	$1.712 \cdot 10^{-19}$	0
cdWRe	$3.594 \cdot 10^{-12}$	$3.594 \cdot 10^{-12}$	0	$1.307 \cdot 10^{-18}$	$1.307 \cdot 10^{-18}$	0
cdd	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cdd1	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
ceBRe	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
ceHRe	$-8.117 \cdot 10^{-15}$	$-8.117 \cdot 10^{-15}$	$-1.109 \cdot 10^{-7}$	$1.985 \cdot 10^{-21}$	$1.985 \cdot 10^{-21}$	0
ceWRe	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
ced	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cee	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1

ceu	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cld	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cle	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cledqRe	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
clequ1Re	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
clequ3Re	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cll	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cll1	-0.04443	-0.04443	0	0.0003541	0.0003541	0
clq1	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
clq3	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
clu	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cqd1	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cqd8	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cqe	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cqq1	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cqq11	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cqq3	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cqq31	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cqu1	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cqu8	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cquqd11Re	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cquqd1Re	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cquqd81Re	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cquqd8Re	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cuBRe	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cuGRe	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cuHRe	$-3.742 \cdot 10^{-15}$	$-3.742 \cdot 10^{-15}$	$-2.405 \cdot 10^{-7}$	$4.219 \cdot 10^{-22}$	$4.219 \cdot 10^{-22}$	0
cuWRe	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cud1	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cud8	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
cuu	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
cuu1	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
sm	0	0	0	420.9	420.9	0

1.33 $b\bar{t} \to e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHDD	$-5.117 \cdot 10^{-6}$	$-5.117 \cdot 10^{-6}$	0	$7.175 \cdot 10^{-10}$	$7.175 \cdot 10^{-10}$	0
cHWB	$-1.13 \cdot 10^{-5}$	$-1.13 \cdot 10^{-5}$	0	$3.498 \cdot 10^{-9}$	$3.498 \cdot 10^{-9}$	0
cHl3	$-5.947 \cdot 10^{-6}$	$-5.947 \cdot 10^{-6}$	0	$1.022 \cdot 10^{-9}$	$1.022 \cdot 10^{-9}$	0
cHq3	$-3.957 \cdot 10^{-11}$	$-3.957 \cdot 10^{-11}$	0	$1.599 \cdot 10^{-12}$	$1.599 \cdot 10^{-12}$	0
cll1	$2.973 \cdot 10^{-6}$	$2.973 \cdot 10^{-6}$	0	$2.566 \cdot 10^{-10}$	$2.566 \cdot 10^{-10}$	0
sm	0	0	0	0.00915	0.00915	0

1.34 $c\bar{c} \to \mu^+ \mu^-$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cH	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cHB	$1.389 \cdot 10^{-25}$	$7.703 \cdot 10^{-26}$	0.4453	$3.057 \cdot 10^{-27}$	$3.057 \cdot 10^{-27}$	0
cHDD	$1.138 \cdot 10^{-11}$	$1.138 \cdot 10^{-11}$	0	$6.058 \cdot 10^{-14}$	$6.058 \cdot 10^{-14}$	0
cHG	$-2.727 \cdot 10^{-24}$	$-2.712 \cdot 10^{-24}$	0.005365	$4.27 \cdot 10^{-24}$	$4.27 \cdot 10^{-24}$	0
cHW	$5.307 \cdot 10^{-26}$	$6.77 \cdot 10^{-26}$	−0.2757	$2.661 \cdot 10^{-27}$	$2.661 \cdot 10^{-27}$	0
cHWB	$1.39 \cdot 10^{-11}$	$1.39 \cdot 10^{-11}$	0	$9.036 \cdot 10^{-14}$	$9.036 \cdot 10^{-14}$	0
cHd	$3.209 \cdot 10^{-12}$	$3.209 \cdot 10^{-12}$	0	$4.815 \cdot 10^{-15}$	$4.815 \cdot 10^{-15}$	0
cHe	$-7.695 \cdot 10^{-13}$	$-7.695 \cdot 10^{-13}$	0	$3.552 \cdot 10^{-15}$	$3.552 \cdot 10^{-15}$	0

cHl1	$3.253 \cdot 10^{-12}$	$3.253 \cdot 10^{-12}$	0	$4.947 \cdot 10^{-15}$	$4.947 \cdot 10^{-15}$	0
cHl3	$-8.247 \cdot 10^{-12}$	$-8.247 \cdot 10^{-12}$	0	$4.079 \cdot 10^{-13}$	$4.079 \cdot 10^{-13}$	0
cHq1	$-8.003 \cdot 10^{-12}$	$-8.003 \cdot 10^{-12}$	0	$2.995 \cdot 10^{-14}$	$2.995 \cdot 10^{-14}$	0
cHq3	$6.431 \cdot 10^{-12}$	$6.431 \cdot 10^{-12}$	0	$2.481 \cdot 10^{-13}$	$2.481 \cdot 10^{-13}$	0
cHu	$-4.337 \cdot 10^{-12}$	$-4.337 \cdot 10^{-12}$	0	$8.795 \cdot 10^{-15}$	$8.795 \cdot 10^{-15}$	0
cHudRe	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cW	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cdBRe	$-2.549 \cdot 10^{-15}$	$-2.549 \cdot 10^{-15}$	0	$3.897 \cdot 10^{-20}$	$3.897 \cdot 10^{-20}$	0
cdGRe	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cdHRe	$1.277 \cdot 10^{-25}$	$6.589 \cdot 10^{-26}$	0.4841	$2.237 \cdot 10^{-27}$	$2.237 \cdot 10^{-27}$	0
cdWRe	$-4.617 \cdot 10^{-15}$	$-4.617 \cdot 10^{-15}$	0	$1.279 \cdot 10^{-19}$	$1.279 \cdot 10^{-19}$	0
cdd	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cdd1	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
ceBRe	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
ceHRe	$6.893 \cdot 10^{-26}$	$7.096 \cdot 10^{-27}$	0.8971	$2.595 \cdot 10^{-29}$	$2.595 \cdot 10^{-29}$	0
ceWRe	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
ced	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cee	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
ceu	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cld	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cle	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cledqRe	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
clequ1Re	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
clequ3Re	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cll	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cll1	$5.386 \cdot 10^{-12}$	$5.386 \cdot 10^{-12}$	0	$1.74 \cdot 10^{-13}$	$1.74 \cdot 10^{-13}$	0
clq1	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
clq3	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
clu	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cqd1	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cqd8	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cqe	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cqq1	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cqq11	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cqq3	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cqq31	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cqu1	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cqu8	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cquqd11Re	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cquqd1Re	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cquqd81Re	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cquqd8Re	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cuBRe	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cuGRe	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cuHRe	$6.511 \cdot 10^{-26}$	$3.271 \cdot 10^{-27}$	0.9498	$5.514 \cdot 10^{-30}$	$5.514 \cdot 10^{-30}$	0
cuWRe	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cud1	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cud8	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
cuu	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
cuu1	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
sm	0	0	0	0.004643	0.004643	0

1.35 $c\bar{s} \to \tau^+ \nu_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cHDD	$-1.588 \cdot 10^{-6}$	$-1.588 \cdot 10^{-6}$	0	$2.235 \cdot 10^{-10}$	$2.235 \cdot 10^{-10}$	0
cHWB	$-3.506 \cdot 10^{-6}$	$-3.506 \cdot 10^{-6}$	0	$1.09 \cdot 10^{-9}$	$1.09 \cdot 10^{-9}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cHl3	$-2.355 \cdot 10^{-6}$	$-2.355 \cdot 10^{-6}$	0	$4.061 \cdot 10^{-10}$	$4.061 \cdot 10^{-10}$	0
cHq3	$-1.567 \cdot 10^{-11}$	$-1.567 \cdot 10^{-11}$	0	$6.335 \cdot 10^{-13}$	$6.335 \cdot 10^{-13}$	0
cll1	$1.178 \cdot 10^{-6}$	$1.178 \cdot 10^{-6}$	0	$1.019 \cdot 10^{-10}$	$1.019 \cdot 10^{-10}$	0
sm	0	0	0	0.002839	0.002839	0

1.36 $\quad d\bar{d} \to c\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cH	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cHB	$8.231 \cdot 10^{-26}$	$5.102 \cdot 10^{-28}$	0.9938	$1.792 \cdot 10^{-29}$	$1.792 \cdot 10^{-29}$	0
cHDD	$1.506 \cdot 10^{-11}$	$1.506 \cdot 10^{-11}$	0	$2.232 \cdot 10^{-13}$	$2.232 \cdot 10^{-13}$	0
cHG	$2.7 \cdot 10^{-26}$	$-1.441 \cdot 10^{-26}$	1.534	$2.503 \cdot 10^{-26}$	$2.503 \cdot 10^{-26}$	0
cHW	$4.177 \cdot 10^{-26}$	$3.597 \cdot 10^{-28}$	0.9914	$1.559 \cdot 10^{-29}$	$1.559 \cdot 10^{-29}$	0
cHWB	$1.839 \cdot 10^{-11}$	$1.839 \cdot 10^{-11}$	0	$3.33 \cdot 10^{-13}$	$3.33 \cdot 10^{-13}$	0
cHd	$4.245 \cdot 10^{-12}$	$4.245 \cdot 10^{-12}$	0	$1.774 \cdot 10^{-14}$	$1.774 \cdot 10^{-14}$	0
cHe	$2.178 \cdot 10^{-12}$	$2.178 \cdot 10^{-12}$	0	$1.25 \cdot 10^{-14}$	$1.25 \cdot 10^{-14}$	0
cHl1	$4.303 \cdot 10^{-12}$	$4.303 \cdot 10^{-12}$	0	$1.823 \cdot 10^{-14}$	$1.823 \cdot 10^{-14}$	0
cHl3	$2.334 \cdot 10^{-11}$	$2.334 \cdot 10^{-11}$	0	$1.436 \cdot 10^{-12}$	$1.436 \cdot 10^{-12}$	0
cHq1	$-1.059 \cdot 10^{-11}$	$-1.059 \cdot 10^{-11}$	0	$1.104 \cdot 10^{-13}$	$1.104 \cdot 10^{-13}$	0
cHq3	$-1.82 \cdot 10^{-11}$	$-1.82 \cdot 10^{-11}$	0	$8.73 \cdot 10^{-13}$	$8.73 \cdot 10^{-13}$	0
cHu	$-5.737 \cdot 10^{-12}$	$-5.737 \cdot 10^{-12}$	0	$3.241 \cdot 10^{-14}$	$3.241 \cdot 10^{-14}$	0
cHudRe	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cW	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cdBRe	$7.215 \cdot 10^{-15}$	$7.215 \cdot 10^{-15}$	0	$1.372 \cdot 10^{-19}$	$1.372 \cdot 10^{-19}$	0
cdGRe	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cdHRe	$8.224 \cdot 10^{-26}$	$4.364 \cdot 10^{-28}$	0.9947	$1.311 \cdot 10^{-29}$	$1.311 \cdot 10^{-29}$	0
cdWRe	$1.307 \cdot 10^{-14}$	$1.307 \cdot 10^{-14}$	0	$4.501 \cdot 10^{-19}$	$4.501 \cdot 10^{-19}$	0

cdd	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cdd1	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
ceBRe	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
ceHRe	$8.185 \cdot 10^{-26}$	$4.7 \cdot 10^{-29}$	0.9994	$1.521 \cdot 10^{-31}$	$1.521 \cdot 10^{-31}$	0
ceWRe	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
ced	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cee	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
ceu	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cld	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cle	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cledqRe	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
clequ1Re	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
clequ3Re	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cll	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cll1	$-1.524 \cdot 10^{-11}$	$-1.524 \cdot 10^{-11}$	0	$6.123 \cdot 10^{-13}$	$6.123 \cdot 10^{-13}$	0
clq1	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
clq3	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
clu	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cqd1	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cqd8	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cqe	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cqq1	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cqq11	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cqq3	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cqq31	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cqu1	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cqu8	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cquqd11Re	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cquqd1Re	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cquqd81Re	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cquqd8Re	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cuBRe	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cuGRe	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cuHRe	$8.182 \cdot 10^{-26}$	$2.167 \cdot 10^{-29}$	0.9997	$3.231 \cdot 10^{-32}$	$3.231 \cdot 10^{-32}$	0
cuWRe	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cud1	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cud8	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
cuu	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
cuu1	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
sm	0	0	0	0.5083	0.5083	0

1.37 $e^+ \nu_\mu \to e^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cH	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cHB	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cHDD	$7.998 \cdot 10^{-9}$	$7.998 \cdot 10^{-9}$	0	$1.634 \cdot 10^{-10}$	$1.634 \cdot 10^{-10}$	0
cHG	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cHW	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cHWB	$9.768 \cdot 10^{-9}$	$9.768 \cdot 10^{-9}$	0	$2.438 \cdot 10^{-10}$	$2.438 \cdot 10^{-10}$	0
cHd	$2.255 \cdot 10^{-9}$	$2.255 \cdot 10^{-9}$	0	$1.299 \cdot 10^{-11}$	$1.299 \cdot 10^{-11}$	0
cHe	$7.207 \cdot 10^{-7}$	$7.207 \cdot 10^{-7}$	0	$4.209 \cdot 10^{-9}$	$4.209 \cdot 10^{-9}$	0
cHl1	$2.286 \cdot 10^{-9}$	$2.286 \cdot 10^{-9}$	0	$1.335 \cdot 10^{-11}$	$1.335 \cdot 10^{-11}$	0
cHl3	$7.724 \cdot 10^{-6}$	$7.724 \cdot 10^{-6}$	0	$4.833 \cdot 10^{-7}$	$4.833 \cdot 10^{-7}$	0
cHq1	$-5.624 \cdot 10^{-9}$	$-5.624 \cdot 10^{-9}$	0	$8.081 \cdot 10^{-11}$	$8.081 \cdot 10^{-11}$	0
cHq3	$-6.023 \cdot 10^{-6}$	$-6.023 \cdot 10^{-6}$	0	$2.939 \cdot 10^{-7}$	$2.939 \cdot 10^{-7}$	0

cHu	$-3.047 \cdot 10^{-9}$	$-3.047 \cdot 10^{-9}$	0	$2.373 \cdot 10^{-11}$	$2.373 \cdot 10^{-11}$	0
cHudRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cW	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cdBRe	$2.387 \cdot 10^{-9}$	$2.387 \cdot 10^{-9}$	0	$4.618 \cdot 10^{-14}$	$4.618 \cdot 10^{-14}$	0
cdGRe	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cdHRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cdWRe	$4.325 \cdot 10^{-9}$	$4.325 \cdot 10^{-9}$	0	$1.515 \cdot 10^{-13}$	$1.515 \cdot 10^{-13}$	0
cdd	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cdd1	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
ceBRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
ceHRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
ceWRe	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
ced	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cee	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
ceu	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cld	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cle	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cledqRe	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
clequ1Re	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
clequ3Re	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cll	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cll1	$-5.044 \cdot 10^{-6}$	$-5.044 \cdot 10^{-6}$	0	$2.062 \cdot 10^{-7}$	$2.062 \cdot 10^{-7}$	0
clq1	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
clq3	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
clu	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cqd1	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cqd8	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cqe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cqq1	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cqq11	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cqq3	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cqq31	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cqu1	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cqu8	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cquqd11Re	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cquqd1Re	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cquqd81Re	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cquqd8Re	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cuBRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cuGRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cuHRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cuWRe	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cud1	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cud8	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
cuu	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
cuu1	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
sm	0	0	0	0.1166	0.1166	0

1.38 $e^+ \nu_e \to \mu^+ \nu_\mu$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHDD	$-1.751 \cdot 10^{-5}$	$-1.751 \cdot 10^{-5}$	0	$2.455 \cdot 10^{-9}$	$2.455 \cdot 10^{-9}$	0
cHWB	$-3.867 \cdot 10^{-5}$	$-3.867 \cdot 10^{-5}$	0	$1.197 \cdot 10^{-8}$	$1.197 \cdot 10^{-8}$	0
cHl3	$-1.937 \cdot 10^{-6}$	$-1.937 \cdot 10^{-6}$	0	$3.329 \cdot 10^{-10}$	$3.329 \cdot 10^{-10}$	0
cHq3	$-1.289 \cdot 10^{-11}$	$-1.289 \cdot 10^{-11}$	0	$5.209 \cdot 10^{-13}$	$5.209 \cdot 10^{-13}$	0
cll1	$9.684 \cdot 10^{-7}$	$9.684 \cdot 10^{-7}$	0	$8.356 \cdot 10^{-11}$	$8.356 \cdot 10^{-11}$	0
sm	0	0	0	0.03131	0.03131	0

1.39 $e^+\nu_e \to e^+\nu_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cG	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cH	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cHB	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cHDD	$-3.18 \cdot 10^{-5}$	$-3.18 \cdot 10^{-5}$	0	$2.027 \cdot 10^{-9}$	$2.027 \cdot 10^{-9}$	0
cHG	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cHW	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cHWB	$-7.024 \cdot 10^{-5}$	$-7.024 \cdot 10^{-5}$	0	$9.54 \cdot 10^{-9}$	$9.54 \cdot 10^{-9}$	0
cHd	$2.895 \cdot 10^{-9}$	$2.895 \cdot 10^{-9}$	0	$9.781 \cdot 10^{-12}$	$9.781 \cdot 10^{-12}$	0
cHe	$4.293 \cdot 10^{-9}$	$4.293 \cdot 10^{-9}$	0	$1.511 \cdot 10^{-11}$	$1.511 \cdot 10^{-11}$	0
cHl1	$2.934 \cdot 10^{-9}$	$2.934 \cdot 10^{-9}$	0	$1.005 \cdot 10^{-11}$	$1.005 \cdot 10^{-11}$	0
cHl3	$-4.362 \cdot 10^{-5}$	$-4.362 \cdot 10^{-5}$	0	$4.535 \cdot 10^{-9}$	$4.535 \cdot 10^{-9}$	0
cHq1	$-7.219 \cdot 10^{-9}$	$-7.219 \cdot 10^{-9}$	0	$6.084 \cdot 10^{-11}$	$6.084 \cdot 10^{-11}$	0
cHq3	$-3.73 \cdot 10^{-8}$	$-3.73 \cdot 10^{-8}$	0	$9.657 \cdot 10^{-10}$	$9.657 \cdot 10^{-10}$	0
cHu	$-3.912 \cdot 10^{-9}$	$-3.912 \cdot 10^{-9}$	0	$1.787 \cdot 10^{-11}$	$1.787 \cdot 10^{-11}$	0
cHudRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cW	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cdBRe	$1.422 \cdot 10^{-11}$	$1.422 \cdot 10^{-11}$	0	$1.657 \cdot 10^{-16}$	$1.657 \cdot 10^{-16}$	0
cdGRe	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cdHRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cdWRe	$2.576 \cdot 10^{-11}$	$2.576 \cdot 10^{-11}$	0	$5.438 \cdot 10^{-16}$	$5.438 \cdot 10^{-16}$	0
cdd	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cdd1	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
ceBRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
ceHRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
ceWRe	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1

ced	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cee	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
ceu	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cld	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cle	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cledqRe	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
clequ1Re	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
clequ3Re	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cll	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cll1	$2.18 \cdot 10^{-5}$	$2.18 \cdot 10^{-5}$	0	$1.402 \cdot 10^{-9}$	$1.402 \cdot 10^{-9}$	0
clq1	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
clq3	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
clu	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cqd1	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cqd8	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cqe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cqq1	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cqq11	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cqq3	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cqq31	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cqu1	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cqu8	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cquqd11Re	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cquqd1Re	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cquqd81Re	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cquqd8Re	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cuBRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cuGRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cuHRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cuWRe	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cud1	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cud8	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
cuu	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
cuu1	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
sm	0	0	0	0.1892	0.1892	0

1.40 $e^+\tau^- \to e^+\tau^-$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cG	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cH	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cHB	$-3.722 \cdot 10^{-25}$	$1.15 \cdot 10^{-29}$	1	$4.538 \cdot 10^{-31}$	$4.538 \cdot 10^{-31}$	0
cHDD	$-6.85 \cdot 10^{-11}$	$-6.85 \cdot 10^{-11}$	0	$2.985 \cdot 10^{-13}$	$2.985 \cdot 10^{-13}$	0
cHG	$-5.195 \cdot 10^{-25}$	$-5.195 \cdot 10^{-28}$	0.999	$7.567 \cdot 10^{-28}$	$7.567 \cdot 10^{-28}$	0
cHW	$-5.19 \cdot 10^{-25}$	$1.297 \cdot 10^{-29}$	1	$4.715 \cdot 10^{-31}$	$4.715 \cdot 10^{-31}$	0
cHWB	$-8.366 \cdot 10^{-11}$	$-8.366 \cdot 10^{-11}$	0	$4.452 \cdot 10^{-13}$	$4.452 \cdot 10^{-13}$	0
cHd	$-1.931 \cdot 10^{-11}$	$-1.931 \cdot 10^{-11}$	0	$2.372 \cdot 10^{-14}$	$2.372 \cdot 10^{-14}$	0
cHe	$-2.73 \cdot 10^{-11}$	$-2.73 \cdot 10^{-11}$	0	$3.586 \cdot 10^{-14}$	$3.586 \cdot 10^{-14}$	0
cHl1	$-1.958 \cdot 10^{-11}$	$-1.958 \cdot 10^{-11}$	0	$2.437 \cdot 10^{-14}$	$2.437 \cdot 10^{-14}$	0
cHl3	$-2.925 \cdot 10^{-10}$	$-2.925 \cdot 10^{-10}$	0	$4.118 \cdot 10^{-12}$	$4.118 \cdot 10^{-12}$	0
cHq1	$4.817 \cdot 10^{-11}$	$4.817 \cdot 10^{-11}$	0	$1.476 \cdot 10^{-13}$	$1.476 \cdot 10^{-13}$	0
cHq3	$2.281 \cdot 10^{-10}$	$2.281 \cdot 10^{-10}$	0	$2.504 \cdot 10^{-12}$	$2.504 \cdot 10^{-12}$	0
cHu	$2.61 \cdot 10^{-11}$	$2.61 \cdot 10^{-11}$	0	$4.333 \cdot 10^{-14}$	$4.333 \cdot 10^{-14}$	0
cHudRe	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cW	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cdBRe	$-9.042 \cdot 10^{-14}$	$-9.042 \cdot 10^{-14}$	0	$3.935 \cdot 10^{-19}$	$3.935 \cdot 10^{-19}$	0
cdGRe	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1

cdHRe	$-3.722 \cdot 10^{-25}$	$9.841 \cdot 10^{-30}$	1	$3.321 \cdot 10^{-31}$	$3.321 \cdot 10^{-31}$	0
cdWRe	$-1.638 \cdot 10^{-13}$	$-1.638 \cdot 10^{-13}$	0	$1.291 \cdot 10^{-18}$	$1.291 \cdot 10^{-18}$	0
cdd	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cdd1	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
ceBRe	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
ceHRe	$-3.722 \cdot 10^{-25}$	$1.06 \cdot 10^{-30}$	1	$3.851 \cdot 10^{-33}$	$3.851 \cdot 10^{-33}$	0
ceWRe	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
ced	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cee	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
ceu	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cld	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cle	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cledqRe	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
clequ1Re	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
clequ3Re	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cll	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cll1	$1.911 \cdot 10^{-10}$	$1.911 \cdot 10^{-10}$	0	$1.757 \cdot 10^{-12}$	$1.757 \cdot 10^{-12}$	0
clq1	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
clq3	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
clu	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cqd1	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cqd8	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cqe	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cqq1	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cqq11	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cqq3	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cqq31	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cqu1	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cqu8	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1

	mod1	mod2		mod1	mod2	
cquqd11Re	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cquqd1Re	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cquqd81Re	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cquqd8Re	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cuBRe	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cuGRe	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cuHRe	$-3.722 \cdot 10^{-25}$	$4.886 \cdot 10^{-31}$	1	$8.185 \cdot 10^{-34}$	$8.185 \cdot 10^{-34}$	$1.222 \cdot 10^{-8}$
cuWRe	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cud1	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cud8	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
cuu	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
cuu1	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
sm	0	0	0	0.01065	0.01065	0

1.41 $e^+ e^- \to \mu^+ \mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cH	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cHB	$3.378 \cdot 10^{-25}$	$3.707 \cdot 10^{-32}$	1	$1.485 \cdot 10^{-33}$	$1.485 \cdot 10^{-33}$	0
cHDD	$6.217 \cdot 10^{-11}$	$6.217 \cdot 10^{-11}$	0	$1.946 \cdot 10^{-13}$	$1.946 \cdot 10^{-13}$	0
cHG	$-3.03 \cdot 10^{-26}$	$-1.34 \cdot 10^{-30}$	1	$2.074 \cdot 10^{-30}$	$2.074 \cdot 10^{-30}$	0
cHW	$-3.029 \cdot 10^{-26}$	$3.345 \cdot 10^{-32}$	1	$1.292 \cdot 10^{-33}$	$1.292 \cdot 10^{-33}$	0
cHWB	$7.593 \cdot 10^{-11}$	$7.593 \cdot 10^{-11}$	0	$2.903 \cdot 10^{-13}$	$2.903 \cdot 10^{-13}$	0
cHd	$1.753 \cdot 10^{-11}$	$1.753 \cdot 10^{-11}$	0	$1.547 \cdot 10^{-14}$	$1.547 \cdot 10^{-14}$	0
cHe	$-1.594 \cdot 10^{-12}$	$-1.594 \cdot 10^{-12}$	0	$8.914 \cdot 10^{-15}$	$8.914 \cdot 10^{-15}$	0
cHl1	$1.777 \cdot 10^{-11}$	$1.777 \cdot 10^{-11}$	0	$1.589 \cdot 10^{-14}$	$1.589 \cdot 10^{-14}$	0
cHl3	$-1.708 \cdot 10^{-11}$	$-1.708 \cdot 10^{-11}$	0	$1.024 \cdot 10^{-12}$	$1.024 \cdot 10^{-12}$	0

cHq1	$-4.371 \cdot 10^{-11}$	$-4.371 \cdot 10^{-11}$	0	$9.621 \cdot 10^{-14}$	$9.621 \cdot 10^{-14}$	0
cHq3	$1.332 \cdot 10^{-11}$	$1.332 \cdot 10^{-11}$	0	$6.225 \cdot 10^{-13}$	$6.225 \cdot 10^{-13}$	0
cHu	$-2.369 \cdot 10^{-11}$	$-2.369 \cdot 10^{-11}$	0	$2.825 \cdot 10^{-14}$	$2.825 \cdot 10^{-14}$	0
cHudRe	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cW	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cdBRe	$-5.278 \cdot 10^{-15}$	$-5.278 \cdot 10^{-15}$	0	$9.779 \cdot 10^{-20}$	$9.779 \cdot 10^{-20}$	0
cdGRe	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cdHRe	$3.378 \cdot 10^{-25}$	$3.171 \cdot 10^{-32}$	1	$1.087 \cdot 10^{-33}$	$1.087 \cdot 10^{-33}$	0
cdWRe	$-9.561 \cdot 10^{-15}$	$-9.561 \cdot 10^{-15}$	0	$3.209 \cdot 10^{-19}$	$3.209 \cdot 10^{-19}$	0
cdd	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cdd1	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
ceBRe	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
ceHRe	$3.378 \cdot 10^{-25}$	$3.415 \cdot 10^{-33}$	1	$1.26 \cdot 10^{-35}$	$1.26 \cdot 10^{-35}$	$4.761 \cdot 10^{-7}$
ceWRe	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
ced	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cee	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
ceu	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cld	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cle	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cledqRe	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
clequ1Re	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
clequ3Re	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cll	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cll1	$1.115 \cdot 10^{-11}$	$1.115 \cdot 10^{-11}$	0	$4.366 \cdot 10^{-13}$	$4.366 \cdot 10^{-13}$	0
clq1	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
clq3	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
clu	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cqd1	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cqd8	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cqe	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cqq1	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cqq11	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cqq3	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cqq31	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cqu1	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cqu8	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cquqd11Re	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cquqd1Re	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cquqd81Re	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cquqd8Re	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cuBRe	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cuGRe	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cuHRe	$3.378 \cdot 10^{-25}$	$1.574 \cdot 10^{-33}$	1	$2.678 \cdot 10^{-36}$	$2.678 \cdot 10^{-36}$	$2.128 \cdot 10^{-6}$
cuWRe	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cud1	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cud8	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
cuu	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
cuu1	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
sm	0	0	0	0.03185	0.03185	0

1.42 $e^+ e^- \to e^+ e^-$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cH	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cHB	$8.482 \cdot 10^{-24}$	$1.042 \cdot 10^{-23}$	-0.229	$6.068 \cdot 10^{-38}$	$6.295 \cdot 10^{-38}$	-0.03746
cHDD	$-3.576 \cdot 10^{-10}$	$-3.576 \cdot 10^{-10}$	0	$1.992 \cdot 10^{-12}$	$1.992 \cdot 10^{-12}$	0
cHG	$-6.805 \cdot 10^{-22}$	$-6.744 \cdot 10^{-22}$	0.009006	$1.648 \cdot 10^{-34}$	$1.646 \cdot 10^{-34}$	0.0009157

cHW	$1.071 \cdot 10^{-23}$	$1.683 \cdot 10^{-23}$	-0.5725	$9.907 \cdot 10^{-38}$	$1.026 \cdot 10^{-37}$	-0.03539
cHWB	$-4.367 \cdot 10^{-10}$	$-4.367 \cdot 10^{-10}$	0	$2.971 \cdot 10^{-12}$	$2.971 \cdot 10^{-12}$	0
cHd	$-1.008 \cdot 10^{-10}$	$-1.008 \cdot 10^{-10}$	0	$1.583 \cdot 10^{-13}$	$1.583 \cdot 10^{-13}$	0
cHe	$-3.224 \cdot 10^{-10}$	$-3.224 \cdot 10^{-10}$	0	$7.044 \cdot 10^{-13}$	$7.044 \cdot 10^{-13}$	0
cHl1	$-1.022 \cdot 10^{-10}$	$-1.022 \cdot 10^{-10}$	0	$1.626 \cdot 10^{-13}$	$1.626 \cdot 10^{-13}$	0
cHl3	$-3.455 \cdot 10^{-9}$	$-3.455 \cdot 10^{-9}$	0	$8.089 \cdot 10^{-11}$	$8.089 \cdot 10^{-11}$	0
cHq1	$2.514 \cdot 10^{-10}$	$2.514 \cdot 10^{-10}$	0	$9.847 \cdot 10^{-13}$	$9.847 \cdot 10^{-13}$	0
cHq3	$2.694 \cdot 10^{-9}$	$2.694 \cdot 10^{-9}$	0	$4.92 \cdot 10^{-11}$	$4.92 \cdot 10^{-11}$	0
cHu	$1.362 \cdot 10^{-10}$	$1.362 \cdot 10^{-10}$	0	$2.891 \cdot 10^{-13}$	$2.891 \cdot 10^{-13}$	0
cHudRe	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cW	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cdBRe	$-1.068 \cdot 10^{-12}$	$-1.068 \cdot 10^{-12}$	0	$7.729 \cdot 10^{-18}$	$7.729 \cdot 10^{-18}$	0
cdGRe	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cdHRe	$6.974 \cdot 10^{-24}$	$8.917 \cdot 10^{-24}$	-0.2785	$4.413 \cdot 10^{-38}$	$4.606 \cdot 10^{-38}$	-0.04387
cdWRe	$-1.934 \cdot 10^{-12}$	$-1.934 \cdot 10^{-12}$	0	$2.536 \cdot 10^{-17}$	$2.536 \cdot 10^{-17}$	0
cdd	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cdd1	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
ceBRe	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
ceHRe	$-9.823 \cdot 10^{-25}$	$9.603 \cdot 10^{-25}$	1.978	$3.782 \cdot 10^{-40}$	$5.342 \cdot 10^{-40}$	-0.4126
ceWRe	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
ced	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cee	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
ceu	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cld	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cle	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cledqRe	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
clequ1Re	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
clequ3Re	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cll	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1

cll1	$2.256 \cdot 10^{-9}$	$2.256 \cdot 10^{-9}$	0	$3.451 \cdot 10^{-11}$	$3.451 \cdot 10^{-11}$	0
clq1	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
clq3	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
clu	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cqd1	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cqd8	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cqe	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cqq1	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cqq11	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cqq3	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cqq31	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cqu1	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cqu8	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cquqd11Re	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cquqd1Re	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cquqd81Re	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cquqd8Re	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cuBRe	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cuGRe	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cuHRe	$-1.5 \cdot 10^{-24}$	$4.427 \cdot 10^{-25}$	1.295	$7.329 \cdot 10^{-41}$	$1.135 \cdot 10^{-40}$	-0.5492
cuWRe	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cud1	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cud8	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
cuu	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
cuu1	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
sm	0	0	0	0.02839	0.02839	0

1.43 $s\bar{s} \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cH	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cHB	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cHDD	$1.76 \cdot 10^{-11}$	$1.76 \cdot 10^{-11}$	0	$3.597 \cdot 10^{-13}$	$3.597 \cdot 10^{-13}$	0
cHG	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cHW	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cHWB	$2.15 \cdot 10^{-11}$	$2.15 \cdot 10^{-11}$	0	$5.365 \cdot 10^{-13}$	$5.365 \cdot 10^{-13}$	0
cHd	$4.962 \cdot 10^{-12}$	$4.962 \cdot 10^{-12}$	0	$2.859 \cdot 10^{-14}$	$2.859 \cdot 10^{-14}$	0
cHe	$3.135 \cdot 10^{-12}$	$3.135 \cdot 10^{-12}$	0	$1.831 \cdot 10^{-14}$	$1.831 \cdot 10^{-14}$	0
cHl1	$5.03 \cdot 10^{-12}$	$5.03 \cdot 10^{-12}$	0	$2.937 \cdot 10^{-14}$	$2.937 \cdot 10^{-14}$	0
cHl3	$3.359 \cdot 10^{-11}$	$3.359 \cdot 10^{-11}$	0	$2.102 \cdot 10^{-12}$	$2.102 \cdot 10^{-12}$	0
cHq1	$-1.238 \cdot 10^{-11}$	$-1.238 \cdot 10^{-11}$	0	$1.778 \cdot 10^{-13}$	$1.778 \cdot 10^{-13}$	0
cHq3	$-2.62 \cdot 10^{-11}$	$-2.62 \cdot 10^{-11}$	0	$1.278 \cdot 10^{-12}$	$1.278 \cdot 10^{-12}$	0
cHu	$-6.706 \cdot 10^{-12}$	$-6.706 \cdot 10^{-12}$	0	$5.222 \cdot 10^{-14}$	$5.222 \cdot 10^{-14}$	0
cHudRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cW	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cdBRe	$1.038 \cdot 10^{-14}$	$1.038 \cdot 10^{-14}$	0	$2.008 \cdot 10^{-19}$	$2.008 \cdot 10^{-19}$	0
cdGRe	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cdHRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cdWRe	$1.881 \cdot 10^{-14}$	$1.881 \cdot 10^{-14}$	0	$6.591 \cdot 10^{-19}$	$6.591 \cdot 10^{-19}$	0
cdd	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cdd1	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
ceBRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
ceHRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
ceWRe	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
ced	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cee	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1

ceu	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cld	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cle	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cledqRe	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
clequ1Re	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
clequ3Re	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cll	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cll1	$-2.194 \cdot 10^{-11}$	$-2.194 \cdot 10^{-11}$	0	$8.967 \cdot 10^{-13}$	$8.967 \cdot 10^{-13}$	0
clq1	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
clq3	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
clu	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cqd1	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cqd8	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cqe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cqq1	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cqq11	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cqq3	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cqq31	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cqu1	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cqu8	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cquqd11Re	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cquqd1Re	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cquqd81Re	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cquqd8Re	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cuBRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cuGRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cuHRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cuWRe	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cud1	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1

cud8	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
cuu	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
cuu1	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
sm	0	0	0	0.00409	0.00409	0

1.44 $s\bar{s} \to s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cG	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cH	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cHB	$1.901 \cdot 10^{-20}$	$1.901 \cdot 10^{-20}$	$-5.104 \cdot 10^{-6}$	$6.674 \cdot 10^{-29}$	$6.674 \cdot 10^{-29}$	$-1.199 \cdot 10^{-7}$
cHDD	$-1.786 \cdot 10^{-11}$	$-1.786 \cdot 10^{-11}$	0	$1.649 \cdot 10^{-13}$	$1.649 \cdot 10^{-13}$	0
cHG	$-1.601 \cdot 10^{-18}$	$-1.601 \cdot 10^{-18}$	$3.061 \cdot 10^{-6}$	$1.762 \cdot 10^{-25}$	$1.762 \cdot 10^{-25}$	0
cHW	$3.995 \cdot 10^{-20}$	$3.996 \cdot 10^{-20}$	-0.0001227	$1.098 \cdot 10^{-28}$	$1.098 \cdot 10^{-28}$	$-9.108 \cdot 10^{-8}$
cHWB	$-2.181 \cdot 10^{-11}$	$-2.181 \cdot 10^{-11}$	0	$2.46 \cdot 10^{-13}$	$2.46 \cdot 10^{-13}$	0
cHd	$-5.034 \cdot 10^{-12}$	$-5.034 \cdot 10^{-12}$	0	$1.311 \cdot 10^{-14}$	$1.311 \cdot 10^{-14}$	0
cHe	$-2.58 \cdot 10^{-10}$	$-2.58 \cdot 10^{-10}$	0	$2.586 \cdot 10^{-13}$	$2.586 \cdot 10^{-13}$	0
cHl1	$-5.103 \cdot 10^{-12}$	$-5.103 \cdot 10^{-12}$	0	$1.347 \cdot 10^{-14}$	$1.347 \cdot 10^{-14}$	0
cHl3	$-2.764 \cdot 10^{-9}$	$-2.764 \cdot 10^{-9}$	0	$2.97 \cdot 10^{-11}$	$2.97 \cdot 10^{-11}$	0
cHq1	$1.256 \cdot 10^{-11}$	$1.256 \cdot 10^{-11}$	0	$8.155 \cdot 10^{-14}$	$8.155 \cdot 10^{-14}$	0
cHq3	$2.156 \cdot 10^{-9}$	$2.156 \cdot 10^{-9}$	0	$1.806 \cdot 10^{-11}$	$1.806 \cdot 10^{-11}$	0
cHu	$6.803 \cdot 10^{-12}$	$6.803 \cdot 10^{-12}$	0	$2.395 \cdot 10^{-14}$	$2.395 \cdot 10^{-14}$	0
cHudRe	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cW	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cdBRe	$-8.544 \cdot 10^{-13}$	$-8.544 \cdot 10^{-13}$	0	$2.838 \cdot 10^{-18}$	$2.838 \cdot 10^{-18}$	0
cdGRe	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cdHRe	$1.626 \cdot 10^{-20}$	$1.626 \cdot 10^{-20}$	$-5.966 \cdot 10^{-6}$	$4.884 \cdot 10^{-29}$	$4.884 \cdot 10^{-29}$	$-1.433 \cdot 10^{-7}$
cdWRe	$-1.548 \cdot 10^{-12}$	$-1.548 \cdot 10^{-12}$	0	$9.311 \cdot 10^{-18}$	$9.311 \cdot 10^{-18}$	0

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cdd	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cdd1	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
ceBRe	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
ceHRe	$1.751 \cdot 10^{-21}$	$1.751 \cdot 10^{-21}$	$-5.54 \cdot 10^{-5}$	$5.664 \cdot 10^{-31}$	$5.664 \cdot 10^{-31}$	$-1.342 \cdot 10^{-6}$
ceWRe	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
ced	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cee	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
ceu	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cld	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cle	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cledqRe	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
clequ1Re	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
clequ3Re	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cll	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cll1	$1.805 \cdot 10^{-9}$	$1.805 \cdot 10^{-9}$	0	$1.267 \cdot 10^{-11}$	$1.267 \cdot 10^{-11}$	0
clq1	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
clq3	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
clu	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cqd1	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cqd8	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cqe	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cqq1	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cqq11	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cqq3	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cqq31	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cqu1	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cqu8	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cquqd11Re	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cquqd1Re	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cquqd81Re	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cquqd8Re	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cuBRe	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cuGRe	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cuHRe	$8.07 \cdot 10^{-22}$	$8.071 \cdot 10^{-22}$	-0.0001202	$1.204 \cdot 10^{-31}$	$1.204 \cdot 10^{-31}$	$-2.825 \cdot 10^{-6}$
cuWRe	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cud1	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cud8	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
cuu	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
cuu1	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
sm	0	0	0	2.033	2.033	0

1.45 $t\bar{t} \to t\bar{t}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cG	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cH	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cHB	$-6.464 \cdot 10^{-13}$	$-6.464 \cdot 10^{-13}$	0	$4.123 \cdot 10^{-16}$	$4.123 \cdot 10^{-16}$	0
cHDD	$-1.314 \cdot 10^{-9}$	$-1.314 \cdot 10^{-9}$	0	$1.809 \cdot 10^{-11}$	$1.809 \cdot 10^{-11}$	0
cHG	$6.179 \cdot 10^{-11}$	$6.179 \cdot 10^{-11}$	0	$3.162 \cdot 10^{-12}$	$3.162 \cdot 10^{-12}$	0
cHW	$-1.542 \cdot 10^{-12}$	$-1.542 \cdot 10^{-12}$	0	$1.97 \cdot 10^{-15}$	$1.97 \cdot 10^{-15}$	0
cHWB	$-1.604 \cdot 10^{-9}$	$-1.604 \cdot 10^{-9}$	0	$2.693 \cdot 10^{-11}$	$2.693 \cdot 10^{-11}$	0
cHd	$-3.706 \cdot 10^{-10}$	$-3.706 \cdot 10^{-10}$	0	$1.438 \cdot 10^{-12}$	$1.438 \cdot 10^{-12}$	0
cHe	$-8.83 \cdot 10^{-10}$	$-8.83 \cdot 10^{-10}$	0	$8.14 \cdot 10^{-12}$	$8.14 \cdot 10^{-12}$	0
cHl1	$-3.756 \cdot 10^{-10}$	$-3.756 \cdot 10^{-10}$	0	$1.478 \cdot 10^{-12}$	$1.478 \cdot 10^{-12}$	0
cHl3	$-9.464 \cdot 10^{-9}$	$-9.464 \cdot 10^{-9}$	0	$9.349 \cdot 10^{-10}$	$9.349 \cdot 10^{-10}$	0
cHq1	$9.243 \cdot 10^{-10}$	$9.243 \cdot 10^{-10}$	0	$8.947 \cdot 10^{-12}$	$8.947 \cdot 10^{-12}$	0
cHq3	$7.379 \cdot 10^{-9}$	$7.379 \cdot 10^{-9}$	0	$5.684 \cdot 10^{-10}$	$5.684 \cdot 10^{-10}$	0

cHu	$5.009 \cdot 10^{-10}$	$5.009 \cdot 10^{-10}$	0	$2.627 \cdot 10^{-12}$	$2.627 \cdot 10^{-12}$	0
cHudRe	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cW	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cdBRe	$-2.925 \cdot 10^{-12}$	$-2.925 \cdot 10^{-12}$	0	$8.93 \cdot 10^{-17}$	$8.93 \cdot 10^{-17}$	0
cdGRe	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cdHRe	$-5.529 \cdot 10^{-13}$	$-5.529 \cdot 10^{-13}$	0	$3.017 \cdot 10^{-16}$	$3.017 \cdot 10^{-16}$	0
cdWRe	$-5.298 \cdot 10^{-12}$	$-5.298 \cdot 10^{-12}$	0	$2.93 \cdot 10^{-16}$	$2.93 \cdot 10^{-16}$	0
cdd	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cdd1	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
ceBRe	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
ceHRe	$-5.955 \cdot 10^{-14}$	$-5.955 \cdot 10^{-14}$	0	$3.499 \cdot 10^{-18}$	$3.499 \cdot 10^{-18}$	0
ceWRe	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
ced	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cee	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
ceu	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cld	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cle	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cledqRe	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
clequ1Re	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
clequ3Re	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cll	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cll1	$6.181 \cdot 10^{-9}$	$6.181 \cdot 10^{-9}$	0	$3.988 \cdot 10^{-10}$	$3.988 \cdot 10^{-10}$	0
clq1	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
clq3	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
clu	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cqd1	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cqd8	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cqe	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cqq1	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cqq11	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cqq3	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cqq31	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cqu1	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cqu8	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cquqd11Re	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cquqd1Re	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cquqd81Re	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cquqd8Re	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cuBRe	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cuGRe	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cuHRe	$-2.745 \cdot 10^{-14}$	$-2.745 \cdot 10^{-14}$	0	$7.436 \cdot 10^{-19}$	$7.436 \cdot 10^{-19}$	0
cuWRe	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cud1	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cud8	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
cuu	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
cuu1	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
sm	0	0	0	1.624	1.624	0

1.46 $tg \to bW^+$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cG	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cH	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cHB	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cHDD	$1.889 \cdot 10^{-9}$	$1.889 \cdot 10^{-9}$	0	$1.073 \cdot 10^{-11}$	$1.073 \cdot 10^{-11}$	0
cHG	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cHW	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1

cHWB	$4.172 \cdot 10^{-9}$	$4.172 \cdot 10^{-9}$	0	$5.23 \cdot 10^{-11}$	$5.23 \cdot 10^{-11}$	0
cHd	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cHe	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cHl1	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cHl3	$-3.892 \cdot 10^{-8}$	$-3.892 \cdot 10^{-8}$	0	$2.175 \cdot 10^{-9}$	$2.175 \cdot 10^{-9}$	0
cHq1	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cHq3	$4.36 \cdot 10^{-8}$	$4.36 \cdot 10^{-8}$	0	$2.729 \cdot 10^{-9}$	$2.729 \cdot 10^{-9}$	0
cHu	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cHudRe	$7.079 \cdot 10^{-12}$	$7.079 \cdot 10^{-12}$	0	$1.506 \cdot 10^{-16}$	$1.506 \cdot 10^{-16}$	0
cW	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cdBRe	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cdGRe	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cdHRe	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cdWRe	$5.371 \cdot 10^{-11}$	$5.371 \cdot 10^{-11}$	0	$4.141 \cdot 10^{-15}$	$4.141 \cdot 10^{-15}$	0
cdd	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cdd1	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
ceBRe	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
ceHRe	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
ceWRe	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
ced	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cee	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
ceu	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cld	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cle	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cledqRe	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
clequ1Re	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
clequ3Re	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cll	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cll1	$1.946 \cdot 10^{-8}$	$1.946 \cdot 10^{-8}$	0	$5.438 \cdot 10^{-10}$	$5.438 \cdot 10^{-10}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
clq1	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
clq3	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
clu	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cqd1	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cqd8	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cqe	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cqq1	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cqq11	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cqq3	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cqq31	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cqu1	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cqu8	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cquqd11Re	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cquqd1Re	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cquqd81Re	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cquqd8Re	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cuBRe	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cuGRe	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cuHRe	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cuWRe	$-2.931 \cdot 10^{-8}$	$-2.931 \cdot 10^{-8}$	0	$2.581 \cdot 10^{-9}$	$2.581 \cdot 10^{-9}$	0
cud1	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cud8	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
cuu	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
cuu1	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
sm	0	0	0	0.1537	0.1537	0

1.47 $u\bar{d} \to c\bar{s}$

	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
cHDD	$-1.065 \cdot 10^{-7}$	$-1.065 \cdot 10^{-7}$	0	$1.493 \cdot 10^{-11}$	$1.493 \cdot 10^{-11}$	0
cHWB	$-2.351 \cdot 10^{-7}$	$-2.351 \cdot 10^{-7}$	0	$7.278 \cdot 10^{-11}$	$7.278 \cdot 10^{-11}$	0
cHl3	$-2.66 \cdot 10^{-7}$	$-2.66 \cdot 10^{-7}$	0	$4.573 \cdot 10^{-11}$	$4.573 \cdot 10^{-11}$	0
cHq3	$-1.77 \cdot 10^{-12}$	$-1.77 \cdot 10^{-12}$	0	$7.155 \cdot 10^{-14}$	$7.155 \cdot 10^{-14}$	0
cll1	$1.33 \cdot 10^{-7}$	$1.33 \cdot 10^{-7}$	0	$1.148 \cdot 10^{-11}$	$1.148 \cdot 10^{-11}$	0
sm	0	0	0	0.0001904	0.0001904	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cH	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cHB	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cHDD	$3.494 \cdot 10^{-12}$	$3.494 \cdot 10^{-12}$	0	$7.14 \cdot 10^{-14}$	$7.14 \cdot 10^{-14}$	0
cHG	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cHW	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cHWB	$4.267 \cdot 10^{-12}$	$4.267 \cdot 10^{-12}$	0	$1.065 \cdot 10^{-13}$	$1.065 \cdot 10^{-13}$	0
cHd	$9.85 \cdot 10^{-13}$	$9.85 \cdot 10^{-13}$	0	$5.675 \cdot 10^{-15}$	$5.675 \cdot 10^{-15}$	0
cHe	$2.209 \cdot 10^{-12}$	$2.209 \cdot 10^{-12}$	0	$1.29 \cdot 10^{-14}$	$1.29 \cdot 10^{-14}$	0
cHl1	$9.985 \cdot 10^{-13}$	$9.985 \cdot 10^{-13}$	0	$5.831 \cdot 10^{-15}$	$5.831 \cdot 10^{-15}$	0
cHl3	$2.367 \cdot 10^{-11}$	$2.367 \cdot 10^{-11}$	0	$1.481 \cdot 10^{-12}$	$1.481 \cdot 10^{-12}$	0
cHq1	$-2.457 \cdot 10^{-12}$	$-2.457 \cdot 10^{-12}$	0	$3.53 \cdot 10^{-14}$	$3.53 \cdot 10^{-14}$	0
cHq3	$-1.846 \cdot 10^{-11}$	$-1.846 \cdot 10^{-11}$	0	$9.008 \cdot 10^{-13}$	$9.008 \cdot 10^{-13}$	0
cHu	$-1.331 \cdot 10^{-12}$	$-1.331 \cdot 10^{-12}$	0	$1.037 \cdot 10^{-14}$	$1.037 \cdot 10^{-14}$	0
cHudRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cW	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cdBRe	$7.316 \cdot 10^{-15}$	$7.316 \cdot 10^{-15}$	0	$1.415 \cdot 10^{-19}$	$1.415 \cdot 10^{-19}$	0
cdGRe	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1

cdHRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cdWRe	$1.325 \cdot 10^{-14}$	$1.325 \cdot 10^{-14}$	0	$4.644 \cdot 10^{-19}$	$4.644 \cdot 10^{-19}$	0
cdd	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cdd1	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
ceBRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
ceHRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
ceWRe	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
ced	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cee	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
ceu	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cld	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cle	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cledqRe	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
clequ1Re	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
clequ3Re	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cll	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cll1	$-1.546 \cdot 10^{-11}$	$-1.546 \cdot 10^{-11}$	0	$6.318 \cdot 10^{-13}$	$6.318 \cdot 10^{-13}$	0
clq1	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
clq3	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
clu	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cqd1	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cqd8	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cqe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cqq1	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cqq11	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cqq3	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cqq31	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cqu1	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cqu8	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cquqd11Re	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cquqd1Re	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cquqd81Re	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cquqd8Re	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cuBRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cuGRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cuHRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cuWRe	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cud1	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cud8	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
cuu	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
cuu1	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
sm	0	0	0	0.000812	0.000812	0

1.49 $u\bar{u} \to u\bar{u}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cG	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cH	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cHB	$2.919 \cdot 10^{-23}$	$3.026 \cdot 10^{-23}$	-0.03634	$2.492 \cdot 10^{-35}$	$2.493 \cdot 10^{-35}$	-0.0003764
cHDD	$-1.953 \cdot 10^{-10}$	$-1.953 \cdot 10^{-10}$	0	$8.067 \cdot 10^{-13}$	$8.067 \cdot 10^{-13}$	0
cHG	$-4.023 \cdot 10^{-20}$	$-3.964 \cdot 10^{-20}$	0.01476	$7.166 \cdot 10^{-31}$	$7.166 \cdot 10^{-31}$	$1.32 \cdot 10^{-5}$
cHW	$3.958 \cdot 10^{-22}$	$9.894 \cdot 10^{-22}$	-1.5	$4.463 \cdot 10^{-34}$	$4.465 \cdot 10^{-34}$	-0.0003533
cHWB	$-2.385 \cdot 10^{-10}$	$-2.385 \cdot 10^{-10}$	0	$1.203 \cdot 10^{-12}$	$1.203 \cdot 10^{-12}$	0
cHd	$-5.506 \cdot 10^{-11}$	$-5.506 \cdot 10^{-11}$	0	$6.411 \cdot 10^{-14}$	$6.411 \cdot 10^{-14}$	0
cHe	$-3.123 \cdot 10^{-8}$	$-3.123 \cdot 10^{-8}$	0	$2.116 \cdot 10^{-10}$	$2.116 \cdot 10^{-10}$	0
cHl1	$-5.581 \cdot 10^{-11}$	$-5.581 \cdot 10^{-11}$	0	$6.587 \cdot 10^{-14}$	$6.587 \cdot 10^{-14}$	0
cHl3	$-3.346 \cdot 10^{-7}$	$-3.346 \cdot 10^{-7}$	0	$2.43 \cdot 10^{-8}$	$2.43 \cdot 10^{-8}$	0

cHq1	$1.373 \cdot 10^{-10}$	$1.373 \cdot 10^{-10}$	0	$3.988 \cdot 10^{-13}$	$3.988 \cdot 10^{-13}$	0
cHq3	$2.61 \cdot 10^{-7}$	$2.61 \cdot 10^{-7}$	0	$1.478 \cdot 10^{-8}$	$1.478 \cdot 10^{-8}$	0
cHu	$7.441 \cdot 10^{-11}$	$7.441 \cdot 10^{-11}$	0	$1.171 \cdot 10^{-13}$	$1.171 \cdot 10^{-13}$	0
cHudRe	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cW	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cdBRe	$-1.034 \cdot 10^{-10}$	$-1.034 \cdot 10^{-10}$	0	$2.321 \cdot 10^{-15}$	$2.321 \cdot 10^{-15}$	0
cdGRe	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cdHRe	$2.482 \cdot 10^{-23}$	$2.588 \cdot 10^{-23}$	-0.04275	$1.823 \cdot 10^{-35}$	$1.824 \cdot 10^{-35}$	-0.0004398
cdWRe	$-1.874 \cdot 10^{-10}$	$-1.874 \cdot 10^{-10}$	0	$7.617 \cdot 10^{-15}$	$7.617 \cdot 10^{-15}$	0
cdd	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cdd1	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
ceBRe	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
ceHRe	$1.726 \cdot 10^{-24}$	$2.787 \cdot 10^{-24}$	-0.6146	$2.107 \cdot 10^{-37}$	$2.115 \cdot 10^{-37}$	-0.003998
ceWRe	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
ced	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cee	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
ceu	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cld	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cle	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cledqRe	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
clequ1Re	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
clequ3Re	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cll	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cll1	$2.185 \cdot 10^{-7}$	$2.185 \cdot 10^{-7}$	0	$1.036 \cdot 10^{-8}$	$1.036 \cdot 10^{-8}$	0
clq1	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
clq3	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
clu	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cqd1	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cqd8	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cqe	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cqq1	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cqq11	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cqq3	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cqq31	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cqu1	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cqu8	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cquqd11Re	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cquqd1Re	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cquqd81Re	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cquqd8Re	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cuBRe	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cuGRe	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cuHRe	$2.239 \cdot 10^{-25}$	$1.285 \cdot 10^{-24}$	-4.738	$4.458 \cdot 10^{-38}$	$4.496 \cdot 10^{-38}$	-0.008423
cuWRe	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cud1	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cud8	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1
cuu	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
cuu1	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1
sm	0	0	0	2.664	2.664	0

1.50 $zz \to W^+W^-$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cHB	$-1.18 \cdot 10^{-7}$	$-1.18 \cdot 10^{-7}$	0	$5.521 \cdot 10^{-14}$	$5.521 \cdot 10^{-14}$	0
cHDD	-6.146	-6.146	0	0.31	0.31	0
cHG	$4.409 \cdot 10^{-6}$	$4.409 \cdot 10^{-6}$	0	$7.711 \cdot 10^{-11}$	$7.711 \cdot 10^{-11}$	0
cHW	$-1.1 \cdot 10^{-7}$	$-1.1 \cdot 10^{-7}$	0	$4.805 \cdot 10^{-14}$	$4.805 \cdot 10^{-14}$	0

	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
cHWB	-13.57	-13.57	0		1.512	1.512	0
cHl3	-7.501	-7.501	0		0.4623	0.4623	0
cHq3	0.01038	0.01038	0		0.0004122	0.0004122	0
cdHRe	$-1.009 \cdot 10^{-7}$	$-1.009 \cdot 10^{-7}$	0		$4.04 \cdot 10^{-14}$	$4.04 \cdot 10^{-14}$	0
ceHRe	$-1.087 \cdot 10^{-8}$	$-1.087 \cdot 10^{-8}$	0		$4.686 \cdot 10^{-16}$	$4.686 \cdot 10^{-16}$	0
cll1	3.753	3.753	0		0.1158	0.1158	0
cuHRe	$-5.01 \cdot 10^{-9}$	$-5.01 \cdot 10^{-9}$	0		$9.958 \cdot 10^{-17}$	$9.958 \cdot 10^{-17}$	0
sm	0	0	0		32.49	32.49	0

2 By parameter point

2.1 cG

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.2   cH

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.3   cHB

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1

Process						
$HH \to HH$	$-5.376 \cdot 10^{-14}$	$-5.376 \cdot 10^{-14}$	0	$2.904 \cdot 10^{-16}$	$2.904 \cdot 10^{-16}$	0
$HH \to H\tau^+\tau^-$	$-1.655 \cdot 10^{-20}$	$-1.655 \cdot 10^{-20}$	0	$8.294 \cdot 10^{-22}$	$8.294 \cdot 10^{-22}$	0
$HH \to Hb\bar{b}$	$-5.146 \cdot 10^{-22}$	$-5.146 \cdot 10^{-22}$	0	$5.179 \cdot 10^{-23}$	$5.179 \cdot 10^{-23}$	0
$HH \to W^+W^-$	$-4.357 \cdot 10^{-10}$	$-4.357 \cdot 10^{-10}$	0	$1.095 \cdot 10^{-15}$	$1.095 \cdot 10^{-15}$	0
$HH \to W^+W^-\gamma$	$-1.732 \cdot 10^{-15}$	$-1.732 \cdot 10^{-15}$	0	$2.434 \cdot 10^{-21}$	$2.434 \cdot 10^{-21}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.559 \cdot 10^{-16}$	$1.559 \cdot 10^{-16}$	0	$1.866 \cdot 10^{-23}$	$1.866 \cdot 10^{-23}$	0
$HH \to W^-u\bar{d}$	$7.805 \cdot 10^{-17}$	$7.805 \cdot 10^{-17}$	0	$7.915 \cdot 10^{-25}$	$7.915 \cdot 10^{-25}$	0
$HH \to z\bar{b}b$	$1.127 \cdot 10^{-16}$	$1.127 \cdot 10^{-16}$	0	$8.302 \cdot 10^{-24}$	$8.302 \cdot 10^{-24}$	0
$HH \to zc\bar{c}$	$6.945 \cdot 10^{-17}$	$6.945 \cdot 10^{-17}$	0	$2.604 \cdot 10^{-22}$	$2.604 \cdot 10^{-22}$	0
$HH \to zt\bar{t}$	$1.546 \cdot 10^{-14}$	$1.546 \cdot 10^{-14}$	0	$8.127 \cdot 10^{-22}$	$8.127 \cdot 10^{-22}$	0
$HH \to zz$	$-2.903 \cdot 10^{-10}$	$-2.903 \cdot 10^{-10}$	0	$5.432 \cdot 10^{-16}$	$5.432 \cdot 10^{-16}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.568 \cdot 10^{-15}$	$1.568 \cdot 10^{-15}$	0	$2.068 \cdot 10^{-21}$	$2.068 \cdot 10^{-21}$	0
$W^+W^- \to Hc\bar{c}$	$-2.716 \cdot 10^{-18}$	$-2.716 \cdot 10^{-18}$	$7.364 \cdot 10^{-8}$	$2.901 \cdot 10^{-23}$	$2.901 \cdot 10^{-23}$	0
$W^+W^- \to Hd\bar{d}$	$-1.91 \cdot 10^{-21}$	$-1.91 \cdot 10^{-21}$	0.0004669	$4.741 \cdot 10^{-26}$	$4.741 \cdot 10^{-26}$	0
$W^+W^- \to W^+W^-$	$-1.2 \cdot 10^{-8}$	$-1.2 \cdot 10^{-8}$	0	$2.125 \cdot 10^{-13}$	$2.125 \cdot 10^{-13}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$8.153 \cdot 10^{-25}$	$7.989 \cdot 10^{-25}$	0.02011	$3.312 \cdot 10^{-26}$	$3.312 \cdot 10^{-26}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$4.338 \cdot 10^{-17}$	$4.338 \cdot 10^{-17}$	0	$3.047 \cdot 10^{-22}$	$3.047 \cdot 10^{-22}$	0
$b\bar{b} \to t\bar{t}$	$-8.811 \cdot 10^{-14}$	$-8.811 \cdot 10^{-14}$	$-1.135 \cdot 10^{-8}$	$2.339 \cdot 10^{-19}$	$2.339 \cdot 10^{-19}$	0
$c\bar{c} \to \mu^+\mu^-$	$1.389 \cdot 10^{-25}$	$7.703 \cdot 10^{-26}$	0.4453	$3.057 \cdot 10^{-27}$	$3.057 \cdot 10^{-27}$	0
$d\bar{d} \to c\bar{c}$	$8.231 \cdot 10^{-26}$	$5.102 \cdot 10^{-28}$	0.9938	$1.792 \cdot 10^{-29}$	$1.792 \cdot 10^{-29}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1

	interference			square		
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	$1.15 \cdot 10^{-29}$	1	$4.538 \cdot 10^{-31}$	$4.538 \cdot 10^{-31}$	0
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	$3.707 \cdot 10^{-32}$	1	$1.485 \cdot 10^{-33}$	$1.485 \cdot 10^{-33}$	0
$e^+e^- \to e^+e^-$	$8.482 \cdot 10^{-24}$	$1.042 \cdot 10^{-23}$	-0.229	$6.068 \cdot 10^{-38}$	$6.295 \cdot 10^{-38}$	-0.03746
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$1.901 \cdot 10^{-20}$	$1.901 \cdot 10^{-20}$	$-5.104 \cdot 10^{-6}$	$6.674 \cdot 10^{-29}$	$6.674 \cdot 10^{-29}$	$-1.199 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	$-6.464 \cdot 10^{-13}$	$-6.464 \cdot 10^{-13}$	0	$4.123 \cdot 10^{-16}$	$4.123 \cdot 10^{-16}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$2.919 \cdot 10^{-23}$	$3.026 \cdot 10^{-23}$	-0.03634	$2.492 \cdot 10^{-35}$	$2.493 \cdot 10^{-35}$	-0.0003764
$zz \to W^+W^-$	$-1.18 \cdot 10^{-7}$	$-1.18 \cdot 10^{-7}$	0	$5.521 \cdot 10^{-14}$	$5.521 \cdot 10^{-14}$	0

2.4   cHDD

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	$1.127 \cdot 10^{-14}$	$1.127 \cdot 10^{-14}$	0	$1.278 \cdot 10^{-17}$	$1.278 \cdot 10^{-17}$	0
$HH \to H\tau^+\tau^-$	$3.472 \cdot 10^{-21}$	$3.472 \cdot 10^{-21}$	0	$3.648 \cdot 10^{-23}$	$3.648 \cdot 10^{-23}$	0
$HH \to Hb\bar{b}$	$1.079 \cdot 10^{-22}$	$1.079 \cdot 10^{-22}$	0	$2.278 \cdot 10^{-24}$	$2.278 \cdot 10^{-24}$	0
$HH \to W^+W^-$	0.8637	0.8637	0	0.5076	0.5076	0
$HH \to W^+W^-\gamma$	$1.71 \cdot 10^{-7}$	$1.71 \cdot 10^{-7}$	0	$6.815 \cdot 10^{-7}$	$6.815 \cdot 10^{-7}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.328 \cdot 10^{-8}$	$1.328 \cdot 10^{-8}$	0	$8.888 \cdot 10^{-9}$	$8.888 \cdot 10^{-9}$	0
$HH \to W^-u\bar{d}$	$5.618 \cdot 10^{-8}$	$5.618 \cdot 10^{-8}$	0	$1.803 \cdot 10^{-9}$	$1.803 \cdot 10^{-9}$	0
$HH \to z\bar{b}b$	$-6.016 \cdot 10^{-15}$	$-6.016 \cdot 10^{-15}$	0	$2.926 \cdot 10^{-15}$	$2.926 \cdot 10^{-15}$	0
$HH \to zc\bar{c}$	$-1.011 \cdot 10^{-13}$	$-1.011 \cdot 10^{-13}$	0	$3.025 \cdot 10^{-14}$	$3.025 \cdot 10^{-14}$	0
$HH \to zt\bar{t}$	$5.205 \cdot 10^{-10}$	$5.205 \cdot 10^{-10}$	0	$6.825 \cdot 10^{-13}$	$6.825 \cdot 10^{-13}$	0
$HH \to zz$	$-2.831 \cdot 10^{-6}$	$-2.831 \cdot 10^{-6}$	0	$6.655 \cdot 10^{-8}$	$6.655 \cdot 10^{-8}$	0
$HW^+ \to \gamma t\bar{b}$	$1.597 \cdot 10^{-8}$	$1.597 \cdot 10^{-8}$	0	$8.354 \cdot 10^{-10}$	$8.354 \cdot 10^{-10}$	0
$HW^+ \to \gamma u\bar{d}$	$6.04 \cdot 10^{-11}$	$6.04 \cdot 10^{-11}$	0	$2.084 \cdot 10^{-13}$	$2.084 \cdot 10^{-13}$	0
$HW^+ \to u\bar{d}$	$-1.254 \cdot 10^{-5}$	$-1.254 \cdot 10^{-5}$	0	$1.785 \cdot 10^{-9}$	$1.785 \cdot 10^{-9}$	0

$HW^- \to \gamma e^- \bar{\nu}_e$	$-5.668 \cdot 10^{-10}$	$-5.668 \cdot 10^{-10}$	0	$1.709 \cdot 10^{-12}$	$1.709 \cdot 10^{-12}$	0
$HW^- \to \mu^- \bar{\nu}_\mu$	$-4.232 \cdot 10^{-6}$	$-4.232 \cdot 10^{-6}$	0	$4.443 \cdot 10^{-9}$	$4.443 \cdot 10^{-9}$	0
$Hz \to \mu^+ \mu^-$	$1.212 \cdot 10^{-11}$	$1.212 \cdot 10^{-11}$	0	$2.48 \cdot 10^{-13}$	$2.48 \cdot 10^{-13}$	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	$2.089 \cdot 10^{-11}$	$2.089 \cdot 10^{-11}$	0	$4.269 \cdot 10^{-13}$	$4.269 \cdot 10^{-13}$	0
$Hz \to s\bar{s}$	$5.742 \cdot 10^{-11}$	$5.742 \cdot 10^{-11}$	0	$1.174 \cdot 10^{-12}$	$1.174 \cdot 10^{-12}$	0
$Hz \to t\bar{t}$	$-4.736 \cdot 10^{-8}$	$-4.736 \cdot 10^{-8}$	0	$3.34 \cdot 10^{-10}$	$3.34 \cdot 10^{-10}$	0
$W^+W^- \to Hb\bar{b}$	$8.503 \cdot 10^{-6}$	$8.503 \cdot 10^{-6}$	0	$2.38 \cdot 10^{-7}$	$2.38 \cdot 10^{-7}$	0
$W^+W^- \to Hc\bar{c}$	$4.192 \cdot 10^{-8}$	$4.192 \cdot 10^{-8}$	0	$1.075 \cdot 10^{-9}$	$1.075 \cdot 10^{-9}$	0
$W^+W^- \to Hd\bar{d}$	$5.366 \cdot 10^{-7}$	$5.366 \cdot 10^{-7}$	0	$1.071 \cdot 10^{-8}$	$1.071 \cdot 10^{-8}$	0
$W^+W^- \to W^+W^-$	$-9.796 \cdot 10^{-5}$	$-9.796 \cdot 10^{-5}$	0	$2.596 \cdot 10^{-6}$	$2.596 \cdot 10^{-6}$	0
$W^+W^- \to \gamma\gamma$	0.01445	0.01445	0	$3.465 \cdot 10^{-5}$	$3.465 \cdot 10^{-5}$	0
$W^+W^- \to \gamma\gamma\gamma$	$1.774 \cdot 10^{-8}$	$1.774 \cdot 10^{-8}$	0	$1.131 \cdot 10^{-10}$	$1.131 \cdot 10^{-10}$	0
$\bar{b}t \to \bar{d}u$	$-1.212 \cdot 10^{-5}$	$-1.212 \cdot 10^{-5}$	0	$1.7 \cdot 10^{-9}$	$1.7 \cdot 10^{-9}$	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$3.975 \cdot 10^{-11}$	$3.975 \cdot 10^{-11}$	0	$8.123 \cdot 10^{-13}$	$8.123 \cdot 10^{-13}$	0
$b\bar{b} \to \mu^+ \mu^-$	$3.018 \cdot 10^{-12}$	$3.018 \cdot 10^{-12}$	0	$5.258 \cdot 10^{-14}$	$5.258 \cdot 10^{-14}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$1.465 \cdot 10^{-12}$	$1.465 \cdot 10^{-12}$	0	$2.994 \cdot 10^{-14}$	$2.994 \cdot 10^{-14}$	0
$b\bar{b} \to b\bar{b}$	$-7.281 \cdot 10^{-11}$	$-7.281 \cdot 10^{-11}$	0	$3.055 \cdot 10^{-13}$	$3.055 \cdot 10^{-13}$	0
$b\bar{b} \to t\bar{t}$	25.95	25.95	0	0.4018	0.4018	0
$b\bar{t} \to e^- \bar{\nu}_e$	$-5.117 \cdot 10^{-6}$	$-5.117 \cdot 10^{-6}$	0	$7.175 \cdot 10^{-10}$	$7.175 \cdot 10^{-10}$	0
$c\bar{c} \to \mu^+ \mu^-$	$1.138 \cdot 10^{-11}$	$1.138 \cdot 10^{-11}$	0	$6.058 \cdot 10^{-14}$	$6.058 \cdot 10^{-14}$	0
$c\bar{s} \to \tau^+ \nu_\tau$	$-1.588 \cdot 10^{-6}$	$-1.588 \cdot 10^{-6}$	0	$2.235 \cdot 10^{-10}$	$2.235 \cdot 10^{-10}$	0
$d\bar{d} \to c\bar{c}$	$1.506 \cdot 10^{-11}$	$1.506 \cdot 10^{-11}$	0	$2.232 \cdot 10^{-13}$	$2.232 \cdot 10^{-13}$	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	$7.998 \cdot 10^{-9}$	$7.998 \cdot 10^{-9}$	0	$1.634 \cdot 10^{-10}$	$1.634 \cdot 10^{-10}$	0
$e^+ \nu_e \to \mu^+ \nu_\mu$	$-1.751 \cdot 10^{-5}$	$-1.751 \cdot 10^{-5}$	0	$2.455 \cdot 10^{-9}$	$2.455 \cdot 10^{-9}$	0
$e^+ \nu_e \to e^+ \nu_e$	$-3.18 \cdot 10^{-5}$	$-3.18 \cdot 10^{-5}$	0	$2.027 \cdot 10^{-9}$	$2.027 \cdot 10^{-9}$	0
$e^+ \tau^- \to e^+ \tau^-$	$-6.85 \cdot 10^{-11}$	$-6.85 \cdot 10^{-11}$	0	$2.985 \cdot 10^{-13}$	$2.985 \cdot 10^{-13}$	0
$e^+ e^- \to \mu^+ \mu^-$	$6.217 \cdot 10^{-11}$	$6.217 \cdot 10^{-11}$	0	$1.946 \cdot 10^{-13}$	$1.946 \cdot 10^{-13}$	0
$e^+ e^- \to e^+ e^-$	$-3.576 \cdot 10^{-10}$	$-3.576 \cdot 10^{-10}$	0	$1.992 \cdot 10^{-12}$	$1.992 \cdot 10^{-12}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$1.76 \cdot 10^{-11}$	$1.76 \cdot 10^{-11}$	0	$3.597 \cdot 10^{-13}$	$3.597 \cdot 10^{-13}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$s\bar{s} \to s\bar{s}$	$-1.786 \cdot 10^{-11}$	$-1.786 \cdot 10^{-11}$	0	$1.649 \cdot 10^{-13}$	$1.649 \cdot 10^{-13}$	0
$t\bar{t} \to t\bar{t}$	$-1.314 \cdot 10^{-9}$	$-1.314 \cdot 10^{-9}$	0	$1.809 \cdot 10^{-11}$	$1.809 \cdot 10^{-11}$	0
$tg \to bW^+$	$1.889 \cdot 10^{-9}$	$1.889 \cdot 10^{-9}$	0	$1.073 \cdot 10^{-11}$	$1.073 \cdot 10^{-11}$	0
$u\bar{d} \to c\bar{s}$	$-1.065 \cdot 10^{-7}$	$-1.065 \cdot 10^{-7}$	0	$1.493 \cdot 10^{-11}$	$1.493 \cdot 10^{-11}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$3.494 \cdot 10^{-12}$	$3.494 \cdot 10^{-12}$	0	$7.14 \cdot 10^{-14}$	$7.14 \cdot 10^{-14}$	0
$u\bar{u} \to u\bar{u}$	$-1.953 \cdot 10^{-10}$	$-1.953 \cdot 10^{-10}$	0	$8.067 \cdot 10^{-13}$	$8.067 \cdot 10^{-13}$	0
$zz \to W^+W^-$	-6.146	-6.146	0	0.31	0.31	0

2.5 cHG

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to HH$	$1.628 \cdot 10^{-12}$	$1.628 \cdot 10^{-12}$	0	$3.211 \cdot 10^{-13}$	$3.211 \cdot 10^{-13}$	0
$HH \to H\tau^+\tau^-$	$-5.507 \cdot 10^{-21}$	$-5.507 \cdot 10^{-21}$	0	$2.06 \cdot 10^{-20}$	$2.06 \cdot 10^{-20}$	0
$HH \to Hb\bar{b}$	$3.146 \cdot 10^{-20}$	$3.146 \cdot 10^{-20}$	0	$4.513 \cdot 10^{-20}$	$4.513 \cdot 10^{-20}$	0
$HH \to W^+W^-$	$2.934 \cdot 10^{-8}$	$2.934 \cdot 10^{-8}$	0	$1.529 \cdot 10^{-12}$	$1.529 \cdot 10^{-12}$	0
$HH \to W^+W^-\gamma$	$8.839 \cdot 10^{-14}$	$8.839 \cdot 10^{-14}$	0	$3.231 \cdot 10^{-18}$	$3.231 \cdot 10^{-18}$	0
$HH \to W^+e^-\bar{\nu}_e$	$-1.92 \cdot 10^{-15}$	$-1.92 \cdot 10^{-15}$	0	$2.691 \cdot 10^{-22}$	$2.691 \cdot 10^{-22}$	0
$HH \to W^-u\bar{d}$	$-2.246 \cdot 10^{-14}$	$-2.246 \cdot 10^{-14}$	0	$6.439 \cdot 10^{-20}$	$6.439 \cdot 10^{-20}$	0
$HH \to z\bar{b}b$	$2.209 \cdot 10^{-15}$	$2.209 \cdot 10^{-15}$	0	$2.516 \cdot 10^{-19}$	$2.516 \cdot 10^{-19}$	0
$HH \to zc\bar{c}$	$-3.635 \cdot 10^{-16}$	$-3.635 \cdot 10^{-16}$	0	$1.181 \cdot 10^{-21}$	$1.181 \cdot 10^{-21}$	0
$HH \to zt\bar{t}$	$2.199 \cdot 10^{-13}$	$2.199 \cdot 10^{-13}$	0	$1.931 \cdot 10^{-18}$	$1.931 \cdot 10^{-18}$	0
$HH \to zz$	$1.153 \cdot 10^{-8}$	$1.153 \cdot 10^{-8}$	0	$7.587 \cdot 10^{-13}$	$7.587 \cdot 10^{-13}$	0
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$-8.858 \cdot 10^{-16}$	$-8.858 \cdot 10^{-16}$	0	$4.607 \cdot 10^{-19}$	$4.607 \cdot 10^{-19}$	0

	interference mod1	mod2	$1 - \text{mod2}/\text{mod1}$	square mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$W^+W^- \to Hc\bar{c}$	$5.061 \cdot 10^{-16}$	$5.061 \cdot 10^{-16}$	0	$1.012 \cdot 10^{-19}$	$1.012 \cdot 10^{-19}$	0
$W^+W^- \to Hd\bar{d}$	$1.963 \cdot 10^{-21}$	$1.963 \cdot 10^{-21}$	$2.604 \cdot 10^{-5}$	$1.581 \cdot 10^{-24}$	$1.581 \cdot 10^{-24}$	0
$W^+W^- \to W^+W^-$	$7.863 \cdot 10^{-6}$	$7.863 \cdot 10^{-6}$	0	$2.906 \cdot 10^{-10}$	$2.906 \cdot 10^{-10}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$-2.886 \cdot 10^{-23}$	$-2.889 \cdot 10^{-23}$	-0.0008915	$4.626 \cdot 10^{-23}$	$4.626 \cdot 10^{-23}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-4.032 \cdot 10^{-15}$	$-4.032 \cdot 10^{-15}$	0	$8.612 \cdot 10^{-19}$	$8.612 \cdot 10^{-19}$	0
$b\bar{b} \to t\bar{t}$	$2.606 \cdot 10^{-13}$	$2.606 \cdot 10^{-13}$	0	$3.267 \cdot 10^{-16}$	$3.267 \cdot 10^{-16}$	0
$c\bar{c} \to \mu^+\mu^-$	$-2.727 \cdot 10^{-24}$	$-2.712 \cdot 10^{-24}$	0.005365	$4.27 \cdot 10^{-24}$	$4.27 \cdot 10^{-24}$	0
$d\bar{d} \to c\bar{c}$	$2.7 \cdot 10^{-26}$	$-1.441 \cdot 10^{-26}$	1.534	$2.503 \cdot 10^{-26}$	$2.503 \cdot 10^{-26}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.195 \cdot 10^{-25}$	$-5.195 \cdot 10^{-28}$	0.999	$7.567 \cdot 10^{-28}$	$7.567 \cdot 10^{-28}$	0
$e^+e^- \to \mu^+\mu^-$	$-3.03 \cdot 10^{-26}$	$-1.34 \cdot 10^{-30}$	1	$2.074 \cdot 10^{-30}$	$2.074 \cdot 10^{-30}$	0
$e^+e^- \to e^+e^-$	$-6.805 \cdot 10^{-22}$	$-6.744 \cdot 10^{-22}$	0.009006	$1.648 \cdot 10^{-34}$	$1.646 \cdot 10^{-34}$	0.0009157
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-1.601 \cdot 10^{-18}$	$-1.601 \cdot 10^{-18}$	$3.061 \cdot 10^{-6}$	$1.762 \cdot 10^{-25}$	$1.762 \cdot 10^{-25}$	0
$t\bar{t} \to t\bar{t}$	$6.179 \cdot 10^{-11}$	$6.179 \cdot 10^{-11}$	0	$3.162 \cdot 10^{-12}$	$3.162 \cdot 10^{-12}$	0
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-4.023 \cdot 10^{-20}$	$-3.964 \cdot 10^{-20}$	0.01476	$7.166 \cdot 10^{-31}$	$7.166 \cdot 10^{-31}$	$1.32 \cdot 10^{-5}$
$zz \to W^+W^-$	$4.409 \cdot 10^{-6}$	$4.409 \cdot 10^{-6}$	0	$7.711 \cdot 10^{-11}$	$7.711 \cdot 10^{-11}$	0

2.6 cHW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	$-4.062 \cdot 10^{-14}$	$-4.062 \cdot 10^{-14}$	0	$2 \cdot 10^{-16}$	$2 \cdot 10^{-16}$	0
$HH \to H\tau^+\tau^-$	$1.375 \cdot 10^{-22}$	$1.375 \cdot 10^{-22}$	0	$1.283 \cdot 10^{-23}$	$1.283 \cdot 10^{-23}$	0

$HH \to Hb\bar{b}$	$-7.853 \cdot 10^{-22}$	$-7.853 \cdot 10^{-22}$	0	$2.812 \cdot 10^{-23}$	$2.812 \cdot 10^{-23}$	0
$HH \to W^+W^-$	$-7.324 \cdot 10^{-10}$	$-7.324 \cdot 10^{-10}$	0	$9.526 \cdot 10^{-16}$	$9.526 \cdot 10^{-16}$	0
$HH \to W^+W^-\gamma$	$-2.206 \cdot 10^{-15}$	$-2.206 \cdot 10^{-15}$	0	$2.013 \cdot 10^{-21}$	$2.013 \cdot 10^{-21}$	0
$HH \to W^+e^-\bar{\nu}_e$	$4.793 \cdot 10^{-17}$	$4.793 \cdot 10^{-17}$	0	$1.677 \cdot 10^{-25}$	$1.677 \cdot 10^{-25}$	0
$HH \to W^-u\bar{d}$	$5.605 \cdot 10^{-16}$	$5.605 \cdot 10^{-16}$	0	$4.012 \cdot 10^{-23}$	$4.012 \cdot 10^{-23}$	0
$HH \to z\bar{b}b$	$-5.515 \cdot 10^{-17}$	$-5.515 \cdot 10^{-17}$	0	$1.567 \cdot 10^{-22}$	$1.567 \cdot 10^{-22}$	0
$HH \to zc\bar{c}$	$9.074 \cdot 10^{-18}$	$9.074 \cdot 10^{-18}$	0	$7.355 \cdot 10^{-25}$	$7.355 \cdot 10^{-25}$	0
$HH \to zt\bar{t}$	$-5.488 \cdot 10^{-15}$	$-5.488 \cdot 10^{-15}$	0	$1.203 \cdot 10^{-21}$	$1.203 \cdot 10^{-21}$	0
$HH \to zz$	$-2.879 \cdot 10^{-10}$	$-2.879 \cdot 10^{-10}$	0	$4.727 \cdot 10^{-16}$	$4.727 \cdot 10^{-16}$	0
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$2.211 \cdot 10^{-17}$	$2.211 \cdot 10^{-17}$	0	$2.87 \cdot 10^{-22}$	$2.87 \cdot 10^{-22}$	0
$W^+W^- \to Hc\bar{c}$	$-1.263 \cdot 10^{-17}$	$-1.263 \cdot 10^{-17}$	0	$6.305 \cdot 10^{-23}$	$6.305 \cdot 10^{-23}$	0
$W^+W^- \to Hd\bar{d}$	$-4.894 \cdot 10^{-23}$	$-4.899 \cdot 10^{-23}$	-0.001046	$9.851 \cdot 10^{-28}$	$9.851 \cdot 10^{-28}$	0
$W^+W^- \to W^+W^-$	$-1.963 \cdot 10^{-7}$	$-1.963 \cdot 10^{-7}$	0	$1.811 \cdot 10^{-13}$	$1.811 \cdot 10^{-13}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$7.468 \cdot 10^{-25}$	$7.21 \cdot 10^{-25}$	0.03445	$2.882 \cdot 10^{-26}$	$2.882 \cdot 10^{-26}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$1.006 \cdot 10^{-16}$	$1.006 \cdot 10^{-16}$	0	$5.366 \cdot 10^{-22}$	$5.366 \cdot 10^{-22}$	0
$b\bar{b} \to t\bar{t}$	$-6.504 \cdot 10^{-15}$	$-6.504 \cdot 10^{-15}$	0	$2.035 \cdot 10^{-19}$	$2.035 \cdot 10^{-19}$	0
$c\bar{c} \to \mu^+\mu^-$	$5.307 \cdot 10^{-26}$	$6.77 \cdot 10^{-26}$	-0.2757	$2.661 \cdot 10^{-27}$	$2.661 \cdot 10^{-27}$	0
$d\bar{d} \to c\bar{c}$	$4.177 \cdot 10^{-26}$	$3.597 \cdot 10^{-28}$	0.9914	$1.559 \cdot 10^{-29}$	$1.559 \cdot 10^{-29}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	$1.297 \cdot 10^{-29}$	1	$4.715 \cdot 10^{-31}$	$4.715 \cdot 10^{-31}$	0
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	$3.345 \cdot 10^{-32}$	1	$1.292 \cdot 10^{-33}$	$1.292 \cdot 10^{-33}$	0

$e^+e^- \to e^+e^-$	$1.071 \cdot 10^{-23}$	$1.683 \cdot 10^{-23}$	-0.5725	$9.907 \cdot 10^{-38}$	$1.026 \cdot 10^{-37}$	-0.03539
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$3.995 \cdot 10^{-20}$	$3.996 \cdot 10^{-20}$	-0.0001227	$1.098 \cdot 10^{-28}$	$1.098 \cdot 10^{-28}$	$-9.108 \cdot 10^{-8}$
$t\bar{t} \to t\bar{t}$	$-1.542 \cdot 10^{-12}$	$-1.542 \cdot 10^{-12}$	0	$1.97 \cdot 10^{-15}$	$1.97 \cdot 10^{-15}$	0
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$3.958 \cdot 10^{-22}$	$9.894 \cdot 10^{-22}$	-1.5	$4.463 \cdot 10^{-34}$	$4.465 \cdot 10^{-34}$	-0.0003533
$zz \to W^+W^-$	$-1.1 \cdot 10^{-7}$	$-1.1 \cdot 10^{-7}$	0	$4.805 \cdot 10^{-14}$	$4.805 \cdot 10^{-14}$	0

2.7 cHWB

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	$1.122 \cdot 10^{-13}$	$1.122 \cdot 10^{-13}$	0	$1.265 \cdot 10^{-15}$	$1.265 \cdot 10^{-15}$	0
$HH \to H\tau^+\tau^-$	$3.455 \cdot 10^{-20}$	$3.455 \cdot 10^{-20}$	0	$3.613 \cdot 10^{-21}$	$3.613 \cdot 10^{-21}$	0
$HH \to Hb\bar{b}$	$1.074 \cdot 10^{-21}$	$1.074 \cdot 10^{-21}$	0	$2.256 \cdot 10^{-22}$	$2.256 \cdot 10^{-22}$	0
$HH \to W^+W^-$	1.907	1.907	0	2.475	2.475	0
$HH \to W^+W^-\gamma$	$3.776 \cdot 10^{-7}$	$3.776 \cdot 10^{-7}$	0	$3.323 \cdot 10^{-6}$	$3.323 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$2.933 \cdot 10^{-8}$	$2.933 \cdot 10^{-8}$	0	$4.334 \cdot 10^{-8}$	$4.334 \cdot 10^{-8}$	0
$HH \to W^-u\bar{d}$	$1.24 \cdot 10^{-7}$	$1.24 \cdot 10^{-7}$	0	$8.792 \cdot 10^{-9}$	$8.792 \cdot 10^{-9}$	0
$HH \to z\bar{b}b$	$-7.554 \cdot 10^{-15}$	$-7.554 \cdot 10^{-15}$	0	$4.364 \cdot 10^{-15}$	$4.364 \cdot 10^{-15}$	0
$HH \to zc\bar{c}$	$-1.236 \cdot 10^{-13}$	$-1.236 \cdot 10^{-13}$	0	$4.511 \cdot 10^{-14}$	$4.511 \cdot 10^{-14}$	0
$HH \to zt\bar{t}$	$5.405 \cdot 10^{-10}$	$5.405 \cdot 10^{-10}$	0	$6.904 \cdot 10^{-13}$	$6.904 \cdot 10^{-13}$	0
$HH \to zz$	$-3.457 \cdot 10^{-6}$	$-3.457 \cdot 10^{-6}$	0	$9.924 \cdot 10^{-8}$	$9.924 \cdot 10^{-8}$	0
$HW^+ \to \gamma t\bar{b}$	$3.527 \cdot 10^{-8}$	$3.527 \cdot 10^{-8}$	0	$4.073 \cdot 10^{-9}$	$4.073 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$1.334 \cdot 10^{-10}$	$1.334 \cdot 10^{-10}$	0	$1.016 \cdot 10^{-12}$	$1.016 \cdot 10^{-12}$	0
$HW^+ \to u\bar{d}$	$-2.768 \cdot 10^{-5}$	$-2.768 \cdot 10^{-5}$	0	$8.704 \cdot 10^{-9}$	$8.704 \cdot 10^{-9}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-1.252 \cdot 10^{-9}$	$-1.252 \cdot 10^{-9}$	0	$8.333 \cdot 10^{-12}$	$8.333 \cdot 10^{-12}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	$-9.345 \cdot 10^{-6}$	$-9.345 \cdot 10^{-6}$	0	$2.166 \cdot 10^{-8}$	$2.166 \cdot 10^{-8}$	0

$Hz \to \mu^+\mu^-$	$1.48 \cdot 10^{-11}$	$1.48 \cdot 10^{-11}$	0	$3.699 \cdot 10^{-13}$	$3.699 \cdot 10^{-13}$	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	$2.551 \cdot 10^{-11}$	$2.551 \cdot 10^{-11}$	0	$6.368 \cdot 10^{-13}$	$6.368 \cdot 10^{-13}$	0
$Hz \to s\bar{s}$	$7.012 \cdot 10^{-11}$	$7.012 \cdot 10^{-11}$	0	$1.751 \cdot 10^{-12}$	$1.751 \cdot 10^{-12}$	0
$Hz \to t\bar{t}$	$6.869 \cdot 10^{-8}$	$6.869 \cdot 10^{-8}$	0	$9.356 \cdot 10^{-10}$	$9.356 \cdot 10^{-10}$	0
$W^+W^- \to Hb\bar{b}$	$1.878 \cdot 10^{-5}$	$1.878 \cdot 10^{-5}$	0	$1.161 \cdot 10^{-6}$	$1.161 \cdot 10^{-6}$	0
$W^+W^- \to Hc\bar{c}$	$9.259 \cdot 10^{-8}$	$9.259 \cdot 10^{-8}$	0	$5.241 \cdot 10^{-9}$	$5.241 \cdot 10^{-9}$	0
$W^+W^- \to Hd\bar{d}$	$1.185 \cdot 10^{-6}$	$1.185 \cdot 10^{-6}$	0	$5.223 \cdot 10^{-8}$	$5.223 \cdot 10^{-8}$	0
$W^+W^- \to W^+W^-$	-0.0001196	-0.0001196	0	$3.871 \cdot 10^{-6}$	$3.871 \cdot 10^{-6}$	0
$W^+W^- \to \gamma\gamma$	0.03191	0.03191	0	0.000169	0.000169	0
$W^+W^- \to \gamma\gamma\gamma$	$3.918 \cdot 10^{-8}$	$3.918 \cdot 10^{-8}$	0	$5.515 \cdot 10^{-10}$	$5.515 \cdot 10^{-10}$	0
$\bar{b}t \to \bar{d}u$	$-2.677 \cdot 10^{-5}$	$-2.677 \cdot 10^{-5}$	0	$8.29 \cdot 10^{-9}$	$8.29 \cdot 10^{-9}$	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$4.855 \cdot 10^{-11}$	$4.855 \cdot 10^{-11}$	0	$1.212 \cdot 10^{-12}$	$1.212 \cdot 10^{-12}$	0
$b\bar{b} \to \mu^+\mu^-$	$3.685 \cdot 10^{-12}$	$3.685 \cdot 10^{-12}$	0	$7.842 \cdot 10^{-14}$	$7.842 \cdot 10^{-14}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$1.789 \cdot 10^{-12}$	$1.789 \cdot 10^{-12}$	0	$4.466 \cdot 10^{-14}$	$4.466 \cdot 10^{-14}$	0
$b\bar{b} \to b\bar{b}$	$-8.893 \cdot 10^{-11}$	$-8.893 \cdot 10^{-11}$	0	$4.557 \cdot 10^{-13}$	$4.557 \cdot 10^{-13}$	0
$b\bar{b} \to t\bar{t}$	57.31	57.31	0	1.959	1.959	0
$b\bar{t} \to e^- \bar{\nu}_e$	$-1.13 \cdot 10^{-5}$	$-1.13 \cdot 10^{-5}$	0	$3.498 \cdot 10^{-9}$	$3.498 \cdot 10^{-9}$	0
$c\bar{c} \to \mu^+\mu^-$	$1.39 \cdot 10^{-11}$	$1.39 \cdot 10^{-11}$	0	$9.036 \cdot 10^{-14}$	$9.036 \cdot 10^{-14}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$-3.506 \cdot 10^{-6}$	$-3.506 \cdot 10^{-6}$	0	$1.09 \cdot 10^{-9}$	$1.09 \cdot 10^{-9}$	0
$d\bar{d} \to c\bar{c}$	$1.839 \cdot 10^{-11}$	$1.839 \cdot 10^{-11}$	0	$3.33 \cdot 10^{-13}$	$3.33 \cdot 10^{-13}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$9.768 \cdot 10^{-9}$	$9.768 \cdot 10^{-9}$	0	$2.438 \cdot 10^{-10}$	$2.438 \cdot 10^{-10}$	0
$e^+\nu_e \to \mu^+\nu_\mu$	$-3.867 \cdot 10^{-5}$	$-3.867 \cdot 10^{-5}$	0	$1.197 \cdot 10^{-8}$	$1.197 \cdot 10^{-8}$	0
$e^+\nu_e \to e^+\nu_e$	$-7.024 \cdot 10^{-5}$	$-7.024 \cdot 10^{-5}$	0	$9.54 \cdot 10^{-9}$	$9.54 \cdot 10^{-9}$	0
$e^+\tau^- \to e^+\tau^-$	$-8.366 \cdot 10^{-11}$	$-8.366 \cdot 10^{-11}$	0	$4.452 \cdot 10^{-13}$	$4.452 \cdot 10^{-13}$	0
$e^+e^- \to \mu^+\mu^-$	$7.593 \cdot 10^{-11}$	$7.593 \cdot 10^{-11}$	0	$2.903 \cdot 10^{-13}$	$2.903 \cdot 10^{-13}$	0
$e^+e^- \to e^+e^-$	$-4.367 \cdot 10^{-10}$	$-4.367 \cdot 10^{-10}$	0	$2.971 \cdot 10^{-12}$	$2.971 \cdot 10^{-12}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$2.15 \cdot 10^{-11}$	$2.15 \cdot 10^{-11}$	0	$5.365 \cdot 10^{-13}$	$5.365 \cdot 10^{-13}$	0
$s\bar{s} \to s\bar{s}$	$-2.181 \cdot 10^{-11}$	$-2.181 \cdot 10^{-11}$	0	$2.46 \cdot 10^{-13}$	$2.46 \cdot 10^{-13}$	0
$t\bar{t} \to t\bar{t}$	$-1.604 \cdot 10^{-9}$	$-1.604 \cdot 10^{-9}$	0	$2.693 \cdot 10^{-11}$	$2.693 \cdot 10^{-11}$	0

	interference				square		
$tg \to bW^+$	$4.172 \cdot 10^{-9}$	$4.172 \cdot 10^{-9}$	0		$5.23 \cdot 10^{-11}$	$5.23 \cdot 10^{-11}$	0
$u\bar{d} \to c\bar{s}$	$-2.351 \cdot 10^{-7}$	$-2.351 \cdot 10^{-7}$	0		$7.278 \cdot 10^{-11}$	$7.278 \cdot 10^{-11}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.267 \cdot 10^{-12}$	$4.267 \cdot 10^{-12}$	0		$1.065 \cdot 10^{-13}$	$1.065 \cdot 10^{-13}$	0
$u\bar{u} \to u\bar{u}$	$-2.385 \cdot 10^{-10}$	$-2.385 \cdot 10^{-10}$	0		$1.203 \cdot 10^{-12}$	$1.203 \cdot 10^{-12}$	0
$zz \to W^+W^-$	-13.57	-13.57	0		1.512	1.512	0

2.8   cHd

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-1.689 \cdot 10^{-15}$	$-1.689 \cdot 10^{-15}$	0	$2.326 \cdot 10^{-16}$	$2.326 \cdot 10^{-16}$	0
$HH \to zc\bar{c}$	$-2.851 \cdot 10^{-14}$	$-2.851 \cdot 10^{-14}$	0	$2.405 \cdot 10^{-15}$	$2.405 \cdot 10^{-15}$	0
$HH \to zt\bar{t}$	$1.739 \cdot 10^{-10}$	$1.739 \cdot 10^{-10}$	0	$8.128 \cdot 10^{-14}$	$8.128 \cdot 10^{-14}$	0
$HH \to zz$	$-7.981 \cdot 10^{-7}$	$-7.981 \cdot 10^{-7}$	0	$5.29 \cdot 10^{-9}$	$5.29 \cdot 10^{-9}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$3.416 \cdot 10^{-12}$	$3.416 \cdot 10^{-12}$	0	$1.971 \cdot 10^{-14}$	$1.971 \cdot 10^{-14}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$5.889 \cdot 10^{-12}$	$5.889 \cdot 10^{-12}$	0	$3.393 \cdot 10^{-14}$	$3.393 \cdot 10^{-14}$	0
$Hz \to s\bar{s}$	$1.619 \cdot 10^{-11}$	$1.619 \cdot 10^{-11}$	0	$9.332 \cdot 10^{-14}$	$9.332 \cdot 10^{-14}$	0
$Hz \to t\bar{t}$	$-4.95 \cdot 10^{-8}$	$-4.95 \cdot 10^{-8}$	0	$8.996 \cdot 10^{-11}$	$8.996 \cdot 10^{-11}$	0
$W^+W^- \to Hb\bar{b}$	$6.812 \cdot 10^{-11}$	$6.812 \cdot 10^{-11}$	0	$3.091 \cdot 10^{-14}$	$3.091 \cdot 10^{-14}$	0
$W^+W^- \to Hc\bar{c}$	$-7.603 \cdot 10^{-12}$	$-7.603 \cdot 10^{-12}$	0	$5.664 \cdot 10^{-14}$	$5.664 \cdot 10^{-14}$	0
$W^+W^- \to Hd\bar{d}$	$-4.629 \cdot 10^{-11}$	$-4.629 \cdot 10^{-11}$	0	$8.743 \cdot 10^{-13}$	$8.743 \cdot 10^{-13}$	0
$W^+W^- \to W^+W^-$	$-2.762 \cdot 10^{-5}$	$-2.762 \cdot 10^{-5}$	0	$2.063 \cdot 10^{-7}$	$2.063 \cdot 10^{-7}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.121 \cdot 10^{-11}$	$1.121 \cdot 10^{-11}$	0	$6.456 \cdot 10^{-14}$	$6.456 \cdot 10^{-14}$	0
$b\bar{b} \to \mu^+\mu^-$	$8.507 \cdot 10^{-13}$	$8.507 \cdot 10^{-13}$	0	$4.179 \cdot 10^{-15}$	$4.179 \cdot 10^{-15}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.13 \cdot 10^{-13}$	$4.13 \cdot 10^{-13}$	0	$2.38 \cdot 10^{-15}$	$2.38 \cdot 10^{-15}$	0
$b\bar{b} \to b\bar{b}$	$-2.053 \cdot 10^{-11}$	$-2.053 \cdot 10^{-11}$	0	$2.428 \cdot 10^{-14}$	$2.428 \cdot 10^{-14}$	0
$b\bar{b} \to t\bar{t}$	$4.716 \cdot 10^{-8}$	$4.716 \cdot 10^{-8}$	0	$4.222 \cdot 10^{-14}$	$4.222 \cdot 10^{-14}$	0
$c\bar{c} \to \mu^+\mu^-$	$3.209 \cdot 10^{-12}$	$3.209 \cdot 10^{-12}$	0	$4.815 \cdot 10^{-15}$	$4.815 \cdot 10^{-15}$	0

	interference			square		
$d\bar{d} \to c\bar{c}$	$4.245 \cdot 10^{-12}$	$4.245 \cdot 10^{-12}$	0	$1.774 \cdot 10^{-14}$	$1.774 \cdot 10^{-14}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$2.255 \cdot 10^{-9}$	$2.255 \cdot 10^{-9}$	0	$1.299 \cdot 10^{-11}$	$1.299 \cdot 10^{-11}$	0
$e^+\nu_e \to e^+\nu_e$	$2.895 \cdot 10^{-9}$	$2.895 \cdot 10^{-9}$	0	$9.781 \cdot 10^{-12}$	$9.781 \cdot 10^{-12}$	0
$e^+\tau^- \to e^+\tau^-$	$-1.931 \cdot 10^{-11}$	$-1.931 \cdot 10^{-11}$	0	$2.372 \cdot 10^{-14}$	$2.372 \cdot 10^{-14}$	0
$e^+e^- \to \mu^+\mu^-$	$1.753 \cdot 10^{-11}$	$1.753 \cdot 10^{-11}$	0	$1.547 \cdot 10^{-14}$	$1.547 \cdot 10^{-14}$	0
$e^+e^- \to e^+e^-$	$-1.008 \cdot 10^{-10}$	$-1.008 \cdot 10^{-10}$	0	$1.583 \cdot 10^{-13}$	$1.583 \cdot 10^{-13}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$4.962 \cdot 10^{-12}$	$4.962 \cdot 10^{-12}$	0	$2.859 \cdot 10^{-14}$	$2.859 \cdot 10^{-14}$	0
$s\bar{s} \to s\bar{s}$	$-5.034 \cdot 10^{-12}$	$-5.034 \cdot 10^{-12}$	0	$1.311 \cdot 10^{-14}$	$1.311 \cdot 10^{-14}$	0
$t\bar{t} \to t\bar{t}$	$-3.706 \cdot 10^{-10}$	$-3.706 \cdot 10^{-10}$	0	$1.438 \cdot 10^{-12}$	$1.438 \cdot 10^{-12}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$9.85 \cdot 10^{-13}$	$9.85 \cdot 10^{-13}$	0	$5.675 \cdot 10^{-15}$	$5.675 \cdot 10^{-15}$	0
$u\bar{u} \to u\bar{u}$	$-5.506 \cdot 10^{-11}$	$-5.506 \cdot 10^{-11}$	0	$6.411 \cdot 10^{-14}$	$6.411 \cdot 10^{-14}$	0

2.9 cHe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$2.195 \cdot 10^{-13}$	$2.195 \cdot 10^{-13}$	0	$6.72 \cdot 10^{-16}$	$6.72 \cdot 10^{-16}$	0
$HH \to zc\bar{c}$	$-1.1 \cdot 10^{-13}$	$-1.1 \cdot 10^{-13}$	0	$9.455 \cdot 10^{-17}$	$9.455 \cdot 10^{-17}$	0
$HH \to zt\bar{t}$	$-6.643 \cdot 10^{-11}$	$-6.643 \cdot 10^{-11}$	0	$1.749 \cdot 10^{-13}$	$1.749 \cdot 10^{-13}$	0
$HH \to zz$	$-8.535 \cdot 10^{-7}$	$-8.535 \cdot 10^{-7}$	0	$6.168 \cdot 10^{-9}$	$6.168 \cdot 10^{-9}$	0
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$3.028 \cdot 10^{-12}$	$3.028 \cdot 10^{-12}$	0	$1.771 \cdot 10^{-14}$	$1.771 \cdot 10^{-14}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$7.668 \cdot 10^{-12}$	$7.668 \cdot 10^{-12}$	0	$4.478 \cdot 10^{-14}$	$4.478 \cdot 10^{-14}$	0
$Hz \to s\bar{s}$	$1.788 \cdot 10^{-11}$	$1.788 \cdot 10^{-11}$	0	$1.045 \cdot 10^{-13}$	$1.045 \cdot 10^{-13}$	0
$Hz \to t\bar{t}$	$-4.195 \cdot 10^{-8}$	$-4.195 \cdot 10^{-8}$	0	$9.244 \cdot 10^{-11}$	$9.244 \cdot 10^{-11}$	0
$W^+W^- \to Hb\bar{b}$	$-4.485 \cdot 10^{-11}$	$-4.485 \cdot 10^{-11}$	0	$8.039 \cdot 10^{-14}$	$8.039 \cdot 10^{-14}$	0
$W^+W^- \to Hc\bar{c}$	$-1.082 \cdot 10^{-11}$	$-1.082 \cdot 10^{-11}$	0	$1.397 \cdot 10^{-13}$	$1.397 \cdot 10^{-13}$	0
$W^+W^- \to Hd\bar{d}$	$2.692 \cdot 10^{-12}$	$2.692 \cdot 10^{-12}$	0	$1.167 \cdot 10^{-14}$	$1.167 \cdot 10^{-14}$	0

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$W^+W^- \to W^+W^-$	-0.001581	-0.001581	0	$9.088 \cdot 10^{-6}$	$9.088 \cdot 10^{-6}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$9.839 \cdot 10^{-12}$	$9.839 \cdot 10^{-12}$	0	$5.746 \cdot 10^{-14}$	$5.746 \cdot 10^{-14}$	0
$b\bar{b} \to \mu^+\mu^-$	$1.353 \cdot 10^{-12}$	$1.353 \cdot 10^{-12}$	0	$4.8 \cdot 10^{-15}$	$4.8 \cdot 10^{-15}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$2.389 \cdot 10^{-12}$	$2.389 \cdot 10^{-12}$	0	$1.395 \cdot 10^{-14}$	$1.395 \cdot 10^{-14}$	0
$b\bar{b} \to b\bar{b}$	$-4.373 \cdot 10^{-10}$	$-4.373 \cdot 10^{-10}$	0	$4.784 \cdot 10^{-13}$	$4.784 \cdot 10^{-13}$	0
$b\bar{b} \to t\bar{t}$	$5.99 \cdot 10^{-10}$	$5.99 \cdot 10^{-10}$	0	$3.63 \cdot 10^{-14}$	$3.63 \cdot 10^{-14}$	0
$c\bar{c} \to \mu^+\mu^-$	$-7.695 \cdot 10^{-13}$	$-7.695 \cdot 10^{-13}$	0	$3.552 \cdot 10^{-15}$	$3.552 \cdot 10^{-15}$	0
$d\bar{d} \to c\bar{c}$	$2.178 \cdot 10^{-12}$	$2.178 \cdot 10^{-12}$	0	$1.25 \cdot 10^{-14}$	$1.25 \cdot 10^{-14}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$7.207 \cdot 10^{-7}$	$7.207 \cdot 10^{-7}$	0	$4.209 \cdot 10^{-9}$	$4.209 \cdot 10^{-9}$	0
$e^+\nu_e \to e^+\nu_e$	$4.293 \cdot 10^{-9}$	$4.293 \cdot 10^{-9}$	0	$1.511 \cdot 10^{-11}$	$1.511 \cdot 10^{-11}$	0
$e^+\tau^- \to e^+\tau^-$	$-2.73 \cdot 10^{-11}$	$-2.73 \cdot 10^{-11}$	0	$3.586 \cdot 10^{-14}$	$3.586 \cdot 10^{-14}$	0
$e^+e^- \to \mu^+\mu^-$	$-1.594 \cdot 10^{-12}$	$-1.594 \cdot 10^{-12}$	0	$8.914 \cdot 10^{-15}$	$8.914 \cdot 10^{-15}$	0
$e^+e^- \to e^+e^-$	$-3.224 \cdot 10^{-10}$	$-3.224 \cdot 10^{-10}$	0	$7.044 \cdot 10^{-13}$	$7.044 \cdot 10^{-13}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$3.135 \cdot 10^{-12}$	$3.135 \cdot 10^{-12}$	0	$1.831 \cdot 10^{-14}$	$1.831 \cdot 10^{-14}$	0
$s\bar{s} \to s\bar{s}$	$-2.58 \cdot 10^{-10}$	$-2.58 \cdot 10^{-10}$	0	$2.586 \cdot 10^{-13}$	$2.586 \cdot 10^{-13}$	0
$t\bar{t} \to t\bar{t}$	$-8.83 \cdot 10^{-10}$	$-8.83 \cdot 10^{-10}$	0	$8.14 \cdot 10^{-12}$	$8.14 \cdot 10^{-12}$	0
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$2.209 \cdot 10^{-12}$	$2.209 \cdot 10^{-12}$	0	$1.29 \cdot 10^{-14}$	$1.29 \cdot 10^{-14}$	0
$u\bar{u} \to u\bar{u}$	$-3.123 \cdot 10^{-8}$	$-3.123 \cdot 10^{-8}$	0	$2.116 \cdot 10^{-10}$	$2.116 \cdot 10^{-10}$	0

2.10 cHl1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-1.712 \cdot 10^{-15}$	$-1.712 \cdot 10^{-15}$	0	$2.39 \cdot 10^{-16}$	$2.39 \cdot 10^{-16}$	0
$HH \to zc\bar{c}$	$-2.89 \cdot 10^{-14}$	$-2.89 \cdot 10^{-14}$	0	$2.471 \cdot 10^{-15}$	$2.471 \cdot 10^{-15}$	0
$HH \to zt\bar{t}$	$1.763 \cdot 10^{-10}$	$1.763 \cdot 10^{-10}$	0	$8.351 \cdot 10^{-14}$	$8.351 \cdot 10^{-14}$	0
$HH \to zz$	$-8.089 \cdot 10^{-7}$	$-8.089 \cdot 10^{-7}$	0	$5.435 \cdot 10^{-9}$	$5.435 \cdot 10^{-9}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1

$Hz \to \mu^+\mu^-$	$3.463 \cdot 10^{-12}$	$3.463 \cdot 10^{-12}$	0	$2.025 \cdot 10^{-14}$	$2.025 \cdot 10^{-14}$	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	$5.97 \cdot 10^{-12}$	$5.97 \cdot 10^{-12}$	0	$3.486 \cdot 10^{-14}$	$3.486 \cdot 10^{-14}$	0
$Hz \to s\bar{s}$	$1.641 \cdot 10^{-11}$	$1.641 \cdot 10^{-11}$	0	$9.588 \cdot 10^{-14}$	$9.588 \cdot 10^{-14}$	0
$Hz \to t\bar{t}$	$-5.017 \cdot 10^{-8}$	$-5.017 \cdot 10^{-8}$	0	$9.243 \cdot 10^{-11}$	$9.243 \cdot 10^{-11}$	0
$W^+W^- \to Hb\bar{b}$	$6.905 \cdot 10^{-11}$	$6.905 \cdot 10^{-11}$	0	$3.176 \cdot 10^{-14}$	$3.176 \cdot 10^{-14}$	0
$W^+W^- \to Hc\bar{c}$	$-7.707 \cdot 10^{-12}$	$-7.707 \cdot 10^{-12}$	0	$5.819 \cdot 10^{-14}$	$5.819 \cdot 10^{-14}$	0
$W^+W^- \to Hd\bar{d}$	$-4.692 \cdot 10^{-11}$	$-4.692 \cdot 10^{-11}$	0	$8.983 \cdot 10^{-13}$	$8.983 \cdot 10^{-13}$	0
$W^+W^- \to W^+W^-$	$-2.8 \cdot 10^{-5}$	$-2.8 \cdot 10^{-5}$	0	$2.12 \cdot 10^{-7}$	$2.12 \cdot 10^{-7}$	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$1.136 \cdot 10^{-11}$	$1.136 \cdot 10^{-11}$	0	$6.634 \cdot 10^{-14}$	$6.634 \cdot 10^{-14}$	0
$b\bar{b} \to \mu^+\mu^-$	$8.623 \cdot 10^{-13}$	$8.623 \cdot 10^{-13}$	0	$4.294 \cdot 10^{-15}$	$4.294 \cdot 10^{-15}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$4.187 \cdot 10^{-13}$	$4.187 \cdot 10^{-13}$	0	$2.445 \cdot 10^{-15}$	$2.445 \cdot 10^{-15}$	0
$b\bar{b} \to b\bar{b}$	$-2.081 \cdot 10^{-11}$	$-2.081 \cdot 10^{-11}$	0	$2.495 \cdot 10^{-14}$	$2.495 \cdot 10^{-14}$	0
$b\bar{b} \to t\bar{t}$	$4.781 \cdot 10^{-8}$	$4.781 \cdot 10^{-8}$	0	$4.338 \cdot 10^{-14}$	$4.338 \cdot 10^{-14}$	0
$c\bar{c} \to \mu^+\mu^-$	$3.253 \cdot 10^{-12}$	$3.253 \cdot 10^{-12}$	0	$4.947 \cdot 10^{-15}$	$4.947 \cdot 10^{-15}$	0
$d\bar{d} \to c\bar{c}$	$4.303 \cdot 10^{-12}$	$4.303 \cdot 10^{-12}$	0	$1.823 \cdot 10^{-14}$	$1.823 \cdot 10^{-14}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$2.286 \cdot 10^{-9}$	$2.286 \cdot 10^{-9}$	0	$1.335 \cdot 10^{-11}$	$1.335 \cdot 10^{-11}$	0
$e^+\nu_e \to e^+\nu_e$	$2.934 \cdot 10^{-9}$	$2.934 \cdot 10^{-9}$	0	$1.005 \cdot 10^{-11}$	$1.005 \cdot 10^{-11}$	0
$e^+\tau^- \to e^+\tau^-$	$-1.958 \cdot 10^{-11}$	$-1.958 \cdot 10^{-11}$	0	$2.437 \cdot 10^{-14}$	$2.437 \cdot 10^{-14}$	0
$e^+e^- \to \mu^+\mu^-$	$1.777 \cdot 10^{-11}$	$1.777 \cdot 10^{-11}$	0	$1.589 \cdot 10^{-14}$	$1.589 \cdot 10^{-14}$	0
$e^+e^- \to e^+e^-$	$-1.022 \cdot 10^{-10}$	$-1.022 \cdot 10^{-10}$	0	$1.626 \cdot 10^{-13}$	$1.626 \cdot 10^{-13}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$5.03 \cdot 10^{-12}$	$5.03 \cdot 10^{-12}$	0	$2.937 \cdot 10^{-14}$	$2.937 \cdot 10^{-14}$	0
$s\bar{s} \to s\bar{s}$	$-5.103 \cdot 10^{-12}$	$-5.103 \cdot 10^{-12}$	0	$1.347 \cdot 10^{-14}$	$1.347 \cdot 10^{-14}$	0
$t\bar{t} \to t\bar{t}$	$-3.756 \cdot 10^{-10}$	$-3.756 \cdot 10^{-10}$	0	$1.478 \cdot 10^{-12}$	$1.478 \cdot 10^{-12}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$9.985 \cdot 10^{-13}$	$9.985 \cdot 10^{-13}$	0	$5.831 \cdot 10^{-15}$	$5.831 \cdot 10^{-15}$	0
$u\bar{u} \to u\bar{u}$	$-5.581 \cdot 10^{-11}$	$-5.581 \cdot 10^{-11}$	0	$6.587 \cdot 10^{-14}$	$6.587 \cdot 10^{-14}$	0

2.11   cHl3

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to HH$	$-4.498 \cdot 10^{-14}$	$-4.498 \cdot 10^{-14}$	0	$2.453 \cdot 10^{-16}$	$2.453 \cdot 10^{-16}$	0
$HH \to H\tau^+\tau^-$	$1.522 \cdot 10^{-22}$	$1.522 \cdot 10^{-22}$	0	$1.574 \cdot 10^{-23}$	$1.574 \cdot 10^{-23}$	0
$HH \to Hb\bar{b}$	$-8.695 \cdot 10^{-22}$	$-8.695 \cdot 10^{-22}$	0	$3.447 \cdot 10^{-23}$	$3.447 \cdot 10^{-23}$	0
$HH \to W^+W^-$	3.994	3.994	0	0.7751	0.7751	0
$HH \to W^+W^-\gamma$	$2.983 \cdot 10^{-6}$	$2.983 \cdot 10^{-6}$	0	$1.302 \cdot 10^{-6}$	$1.302 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.029 \cdot 10^{-7}$	$1.029 \cdot 10^{-7}$	0	$3.306 \cdot 10^{-9}$	$3.306 \cdot 10^{-9}$	0
$HH \to W^-u\bar{d}$	$6.63 \cdot 10^{-8}$	$6.63 \cdot 10^{-8}$	0	$3.022 \cdot 10^{-8}$	$3.022 \cdot 10^{-8}$	0
$HH \to z\bar{b}b$	$2.352 \cdot 10^{-12}$	$2.352 \cdot 10^{-12}$	0	$7.717 \cdot 10^{-14}$	$7.717 \cdot 10^{-14}$	0
$HH \to zc\bar{c}$	$-1.179 \cdot 10^{-12}$	$-1.179 \cdot 10^{-12}$	0	$1.086 \cdot 10^{-14}$	$1.086 \cdot 10^{-14}$	0
$HH \to zt\bar{t}$	$-6.335 \cdot 10^{-10}$	$-6.335 \cdot 10^{-10}$	0	$9.208 \cdot 10^{-11}$	$9.208 \cdot 10^{-11}$	0
$HH \to zz$	$-9.146 \cdot 10^{-6}$	$-9.146 \cdot 10^{-6}$	0	$7.084 \cdot 10^{-7}$	$7.084 \cdot 10^{-7}$	0
$HW^+ \to \gamma t\bar{b}$	$2.034 \cdot 10^{-8}$	$2.034 \cdot 10^{-8}$	0	$7.85 \cdot 10^{-9}$	$7.85 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$-1.509 \cdot 10^{-11}$	$-1.509 \cdot 10^{-11}$	0	$2.658 \cdot 10^{-13}$	$2.658 \cdot 10^{-13}$	0
$HW^+ \to u\bar{d}$	$-2.105 \cdot 10^{-6}$	$-2.105 \cdot 10^{-6}$	0	$4.024 \cdot 10^{-10}$	$4.024 \cdot 10^{-10}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-2.263 \cdot 10^{-8}$	$-2.263 \cdot 10^{-8}$	0	$3.146 \cdot 10^{-10}$	$3.146 \cdot 10^{-10}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	$-1.566 \cdot 10^{-6}$	$-1.566 \cdot 10^{-6}$	0	$5.989 \cdot 10^{-9}$	$5.989 \cdot 10^{-9}$	0
$Hz \to \mu^+\mu^-$	$3.244 \cdot 10^{-11}$	$3.244 \cdot 10^{-11}$	0	$2.034 \cdot 10^{-12}$	$2.034 \cdot 10^{-12}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$8.217 \cdot 10^{-11}$	$8.217 \cdot 10^{-11}$	0	$5.142 \cdot 10^{-12}$	$5.142 \cdot 10^{-12}$	0
$Hz \to s\bar{s}$	$1.916 \cdot 10^{-10}$	$1.916 \cdot 10^{-10}$	0	$1.2 \cdot 10^{-11}$	$1.2 \cdot 10^{-11}$	0
$Hz \to t\bar{t}$	$-1.258 \cdot 10^{-6}$	$-1.258 \cdot 10^{-6}$	0	$7.327 \cdot 10^{-8}$	$7.327 \cdot 10^{-8}$	0
$W^+W^- \to Hb\bar{b}$	$1.475 \cdot 10^{-6}$	$1.475 \cdot 10^{-6}$	0	$1.473 \cdot 10^{-7}$	$1.473 \cdot 10^{-7}$	0
$W^+W^- \to Hc\bar{c}$	$1.242 \cdot 10^{-7}$	$1.242 \cdot 10^{-7}$	0	$3.785 \cdot 10^{-9}$	$3.785 \cdot 10^{-9}$	0
$W^+W^- \to Hd\bar{d}$	$1.328 \cdot 10^{-8}$	$1.328 \cdot 10^{-8}$	0	$2.855 \cdot 10^{-10}$	$2.855 \cdot 10^{-10}$	0
$W^+W^- \to W^+W^-$	-0.01695	-0.01695	0	0.001044	0.001044	0
$W^+W^- \to \gamma\gamma$	0.2049	0.2049	0	0.001144	0.001144	0
$W^+W^- \to \gamma\gamma\gamma$	$2.374 \cdot 10^{-8}$	$2.374 \cdot 10^{-8}$	0	$1.39 \cdot 10^{-10}$	$1.39 \cdot 10^{-10}$	0
$\bar{b}t \to \bar{d}u$	$-1.523 \cdot 10^{-5}$	$-1.523 \cdot 10^{-5}$	0	$2.618 \cdot 10^{-9}$	$2.618 \cdot 10^{-9}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$1.054 \cdot 10^{-10}$	$1.054 \cdot 10^{-10}$	0	$6.598 \cdot 10^{-12}$	$6.598 \cdot 10^{-12}$	0
$b\bar{b} \to \mu^+ \mu^-$	$1.45 \cdot 10^{-11}$	$1.45 \cdot 10^{-11}$	0	$5.512 \cdot 10^{-13}$	$5.512 \cdot 10^{-13}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$2.56 \cdot 10^{-11}$	$2.56 \cdot 10^{-11}$	0	$1.602 \cdot 10^{-12}$	$1.602 \cdot 10^{-12}$	0
$b\bar{b} \to b\bar{b}$	$-4.686 \cdot 10^{-9}$	$-4.686 \cdot 10^{-9}$	0	$5.494 \cdot 10^{-11}$	$5.494 \cdot 10^{-11}$	0
$b\bar{b} \to t\bar{t}$	0.08886	0.08886	0	0.001416	0.001416	0
$b\bar{t} \to e^- \bar{\nu}_e$	$-5.947 \cdot 10^{-6}$	$-5.947 \cdot 10^{-6}$	0	$1.022 \cdot 10^{-9}$	$1.022 \cdot 10^{-9}$	0
$c\bar{c} \to \mu^+ \mu^-$	$-8.247 \cdot 10^{-12}$	$-8.247 \cdot 10^{-12}$	0	$4.079 \cdot 10^{-13}$	$4.079 \cdot 10^{-13}$	0
$c\bar{s} \to \tau^+ \nu_\tau$	$-2.355 \cdot 10^{-6}$	$-2.355 \cdot 10^{-6}$	0	$4.061 \cdot 10^{-10}$	$4.061 \cdot 10^{-10}$	0
$d\bar{d} \to c\bar{c}$	$2.334 \cdot 10^{-11}$	$2.334 \cdot 10^{-11}$	0	$1.436 \cdot 10^{-12}$	$1.436 \cdot 10^{-12}$	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	$7.724 \cdot 10^{-6}$	$7.724 \cdot 10^{-6}$	0	$4.833 \cdot 10^{-7}$	$4.833 \cdot 10^{-7}$	0
$e^+ \nu_e \to \mu^+ \nu_\mu$	$-1.937 \cdot 10^{-6}$	$-1.937 \cdot 10^{-6}$	0	$3.329 \cdot 10^{-10}$	$3.329 \cdot 10^{-10}$	0
$e^+ \nu_e \to e^+ \nu_e$	$-4.362 \cdot 10^{-5}$	$-4.362 \cdot 10^{-5}$	0	$4.535 \cdot 10^{-9}$	$4.535 \cdot 10^{-9}$	0
$e^+ \tau^- \to e^+ \tau^-$	$-2.925 \cdot 10^{-10}$	$-2.925 \cdot 10^{-10}$	0	$4.118 \cdot 10^{-12}$	$4.118 \cdot 10^{-12}$	0
$e^+ e^- \to \mu^+ \mu^-$	$-1.708 \cdot 10^{-11}$	$-1.708 \cdot 10^{-11}$	0	$1.024 \cdot 10^{-12}$	$1.024 \cdot 10^{-12}$	0
$e^+ e^- \to e^+ e^-$	$-3.455 \cdot 10^{-9}$	$-3.455 \cdot 10^{-9}$	0	$8.089 \cdot 10^{-11}$	$8.089 \cdot 10^{-11}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$3.359 \cdot 10^{-11}$	$3.359 \cdot 10^{-11}$	0	$2.102 \cdot 10^{-12}$	$2.102 \cdot 10^{-12}$	0
$s\bar{s} \to s\bar{s}$	$-2.764 \cdot 10^{-9}$	$-2.764 \cdot 10^{-9}$	0	$2.97 \cdot 10^{-11}$	$2.97 \cdot 10^{-11}$	0
$t\bar{t} \to t\bar{t}$	$-9.464 \cdot 10^{-9}$	$-9.464 \cdot 10^{-9}$	0	$9.349 \cdot 10^{-10}$	$9.349 \cdot 10^{-10}$	0
$tg \to bW^+$	$-3.892 \cdot 10^{-8}$	$-3.892 \cdot 10^{-8}$	0	$2.175 \cdot 10^{-9}$	$2.175 \cdot 10^{-9}$	0
$u\bar{d} \to c\bar{s}$	$-2.66 \cdot 10^{-7}$	$-2.66 \cdot 10^{-7}$	0	$4.573 \cdot 10^{-11}$	$4.573 \cdot 10^{-11}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$2.367 \cdot 10^{-11}$	$2.367 \cdot 10^{-11}$	0	$1.481 \cdot 10^{-12}$	$1.481 \cdot 10^{-12}$	0
$u\bar{u} \to u\bar{u}$	$-3.346 \cdot 10^{-7}$	$-3.346 \cdot 10^{-7}$	0	$2.43 \cdot 10^{-8}$	$2.43 \cdot 10^{-8}$	0
$zz \to W^+ W^-$	-7.501	-7.501	0	0.4623	0.4623	0

2.12 cHq1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.214 \cdot 10^{-15}$	$4.214 \cdot 10^{-15}$	0	$1.447 \cdot 10^{-15}$	$1.447 \cdot 10^{-15}$	0

Process						
$HH \to zc\bar{c}$	$7.11 \cdot 10^{-14}$	$7.11 \cdot 10^{-14}$	0	$1.496 \cdot 10^{-14}$	$1.496 \cdot 10^{-14}$	0
$HH \to zt\bar{t}$	$-4.337 \cdot 10^{-10}$	$-4.337 \cdot 10^{-10}$	0	$5.056 \cdot 10^{-13}$	$5.056 \cdot 10^{-13}$	0
$HH \to zz$	$1.99 \cdot 10^{-6}$	$1.99 \cdot 10^{-6}$	0	$3.29 \cdot 10^{-8}$	$3.29 \cdot 10^{-8}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$-8.521 \cdot 10^{-12}$	$-8.521 \cdot 10^{-12}$	0	$1.226 \cdot 10^{-13}$	$1.226 \cdot 10^{-13}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$-1.469 \cdot 10^{-11}$	$-1.469 \cdot 10^{-11}$	0	$2.111 \cdot 10^{-13}$	$2.111 \cdot 10^{-13}$	0
$Hz \to s\bar{s}$	$-4.037 \cdot 10^{-11}$	$-4.037 \cdot 10^{-11}$	0	$5.805 \cdot 10^{-13}$	$5.805 \cdot 10^{-13}$	0
$Hz \to t\bar{t}$	$1.234 \cdot 10^{-7}$	$1.234 \cdot 10^{-7}$	0	$5.596 \cdot 10^{-10}$	$5.596 \cdot 10^{-10}$	0
$W^+W^- \to Hb\bar{b}$	$-1.699 \cdot 10^{-10}$	$-1.699 \cdot 10^{-10}$	0	$1.923 \cdot 10^{-13}$	$1.923 \cdot 10^{-13}$	0
$W^+W^- \to Hc\bar{c}$	$1.896 \cdot 10^{-11}$	$1.896 \cdot 10^{-11}$	0	$3.523 \cdot 10^{-13}$	$3.523 \cdot 10^{-13}$	0
$W^+W^- \to Hd\bar{d}$	$1.155 \cdot 10^{-10}$	$1.155 \cdot 10^{-10}$	0	$5.439 \cdot 10^{-12}$	$5.439 \cdot 10^{-12}$	0
$W^+W^- \to W^+W^-$	$6.888 \cdot 10^{-5}$	$6.888 \cdot 10^{-5}$	0	$1.283 \cdot 10^{-6}$	$1.283 \cdot 10^{-6}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$-2.795 \cdot 10^{-11}$	$-2.795 \cdot 10^{-11}$	0	$4.016 \cdot 10^{-13}$	$4.016 \cdot 10^{-13}$	0
$b\bar{b} \to \mu^+\mu^-$	$-2.122 \cdot 10^{-12}$	$-2.122 \cdot 10^{-12}$	0	$2.6 \cdot 10^{-14}$	$2.6 \cdot 10^{-14}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-1.03 \cdot 10^{-12}$	$-1.03 \cdot 10^{-12}$	0	$1.48 \cdot 10^{-14}$	$1.48 \cdot 10^{-14}$	0
$b\bar{b} \to b\bar{b}$	$5.12 \cdot 10^{-11}$	$5.12 \cdot 10^{-11}$	0	$1.51 \cdot 10^{-13}$	$1.51 \cdot 10^{-13}$	0
$b\bar{b} \to t\bar{t}$	$-1.176 \cdot 10^{-7}$	$-1.176 \cdot 10^{-7}$	0	$2.626 \cdot 10^{-13}$	$2.626 \cdot 10^{-13}$	0
$c\bar{c} \to \mu^+\mu^-$	$-8.003 \cdot 10^{-12}$	$-8.003 \cdot 10^{-12}$	0	$2.995 \cdot 10^{-14}$	$2.995 \cdot 10^{-14}$	0
$d\bar{d} \to c\bar{c}$	$-1.059 \cdot 10^{-11}$	$-1.059 \cdot 10^{-11}$	0	$1.104 \cdot 10^{-13}$	$1.104 \cdot 10^{-13}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$-5.624 \cdot 10^{-9}$	$-5.624 \cdot 10^{-9}$	0	$8.081 \cdot 10^{-11}$	$8.081 \cdot 10^{-11}$	0
$e^+\nu_e \to e^+\nu_e$	$-7.219 \cdot 10^{-9}$	$-7.219 \cdot 10^{-9}$	0	$6.084 \cdot 10^{-11}$	$6.084 \cdot 10^{-11}$	0
$e^+\tau^- \to e^+\tau^-$	$4.817 \cdot 10^{-11}$	$4.817 \cdot 10^{-11}$	0	$1.476 \cdot 10^{-13}$	$1.476 \cdot 10^{-13}$	0
$e^+e^- \to \mu^+\mu^-$	$-4.371 \cdot 10^{-11}$	$-4.371 \cdot 10^{-11}$	0	$9.621 \cdot 10^{-14}$	$9.621 \cdot 10^{-14}$	0
$e^+e^- \to e^+e^-$	$2.514 \cdot 10^{-10}$	$2.514 \cdot 10^{-10}$	0	$9.847 \cdot 10^{-13}$	$9.847 \cdot 10^{-13}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-1.238 \cdot 10^{-11}$	$-1.238 \cdot 10^{-11}$	0	$1.778 \cdot 10^{-13}$	$1.778 \cdot 10^{-13}$	0
$s\bar{s} \to s\bar{s}$	$1.256 \cdot 10^{-11}$	$1.256 \cdot 10^{-11}$	0	$8.155 \cdot 10^{-14}$	$8.155 \cdot 10^{-14}$	0
$t\bar{t} \to t\bar{t}$	$9.243 \cdot 10^{-10}$	$9.243 \cdot 10^{-10}$	0	$8.947 \cdot 10^{-12}$	$8.947 \cdot 10^{-12}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-2.457 \cdot 10^{-12}$	$-2.457 \cdot 10^{-12}$	0	$3.53 \cdot 10^{-14}$	$3.53 \cdot 10^{-14}$	0

| $u\bar{u} \to u\bar{u}$ | $1.373 \cdot 10^{-10}$ | $1.373 \cdot 10^{-10}$ | 0 | $3.988 \cdot 10^{-13}$ | $3.988 \cdot 10^{-13}$ | 0 |

2.13 cHq3

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to HH$	$1.703 \cdot 10^{-15}$	$1.703 \cdot 10^{-15}$	0	$3.516 \cdot 10^{-19}$	$3.516 \cdot 10^{-19}$	0
$HH \to H\tau^+\tau^-$	$-5.763 \cdot 10^{-24}$	$-5.763 \cdot 10^{-24}$	0	$2.256 \cdot 10^{-26}$	$2.256 \cdot 10^{-26}$	0
$HH \to Hb\bar{b}$	$3.292 \cdot 10^{-23}$	$3.292 \cdot 10^{-23}$	0	$4.942 \cdot 10^{-26}$	$4.942 \cdot 10^{-26}$	0
$HH \to W^+W^-$	$7.067 \cdot 10^{-6}$	$7.067 \cdot 10^{-6}$	0	$9.413 \cdot 10^{-7}$	$9.413 \cdot 10^{-7}$	0
$HH \to W^+W^-\gamma$	$7.365 \cdot 10^{-11}$	$7.365 \cdot 10^{-11}$	0	$5.099 \cdot 10^{-12}$	$5.099 \cdot 10^{-12}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.582 \cdot 10^{-11}$	$1.582 \cdot 10^{-11}$	0	$3.314 \cdot 10^{-14}$	$3.314 \cdot 10^{-14}$	0
$HH \to W^-u\bar{d}$	$-2.834 \cdot 10^{-11}$	$-2.834 \cdot 10^{-11}$	0	$9.601 \cdot 10^{-14}$	$9.601 \cdot 10^{-14}$	0
$HH \to z\bar{b}b$	$-1.834 \cdot 10^{-12}$	$-1.834 \cdot 10^{-12}$	0	$4.693 \cdot 10^{-14}$	$4.693 \cdot 10^{-14}$	0
$HH \to zc\bar{c}$	$9.196 \cdot 10^{-13}$	$9.196 \cdot 10^{-13}$	0	$6.603 \cdot 10^{-15}$	$6.603 \cdot 10^{-15}$	0
$HH \to zt\bar{t}$	$4.673 \cdot 10^{-10}$	$4.673 \cdot 10^{-10}$	0	$8.621 \cdot 10^{-11}$	$8.621 \cdot 10^{-11}$	0
$HH \to zz$	$7.132 \cdot 10^{-6}$	$7.132 \cdot 10^{-6}$	0	$4.308 \cdot 10^{-7}$	$4.308 \cdot 10^{-7}$	0
$HW^+ \to \gamma t\bar{b}$	$-3.708 \cdot 10^{-11}$	$-3.708 \cdot 10^{-11}$	0	$2.379 \cdot 10^{-13}$	$2.379 \cdot 10^{-13}$	0
$HW^+ \to \gamma u\bar{d}$	$-3.6 \cdot 10^{-12}$	$-3.6 \cdot 10^{-12}$	0	$8.45 \cdot 10^{-14}$	$8.45 \cdot 10^{-14}$	0
$HW^+ \to u\bar{d}$	$-1.401 \cdot 10^{-11}$	$-1.401 \cdot 10^{-11}$	0	$5.661 \cdot 10^{-13}$	$5.661 \cdot 10^{-13}$	0
$HW^- \to \gamma e^-\bar{\nu}_e$	$-7.896 \cdot 10^{-10}$	$-7.896 \cdot 10^{-10}$	0	$9.678 \cdot 10^{-13}$	$9.678 \cdot 10^{-13}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	$-1.042 \cdot 10^{-11}$	$-1.042 \cdot 10^{-11}$	0	$4.22 \cdot 10^{-13}$	$4.22 \cdot 10^{-13}$	0
$Hz \to \mu^+\mu^-$	$-2.53 \cdot 10^{-11}$	$-2.53 \cdot 10^{-11}$	0	$1.237 \cdot 10^{-12}$	$1.237 \cdot 10^{-12}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$-6.408 \cdot 10^{-11}$	$-6.408 \cdot 10^{-11}$	0	$3.127 \cdot 10^{-12}$	$3.127 \cdot 10^{-12}$	0
$Hz \to s\bar{s}$	$-1.494 \cdot 10^{-10}$	$-1.494 \cdot 10^{-10}$	0	$7.296 \cdot 10^{-12}$	$7.296 \cdot 10^{-12}$	0
$Hz \to t\bar{t}$	$1.256 \cdot 10^{-6}$	$1.256 \cdot 10^{-6}$	0	$7.226 \cdot 10^{-8}$	$7.226 \cdot 10^{-8}$	0
$W^+W^- \to Hb\bar{b}$	$-6.244 \cdot 10^{-10}$	$-6.244 \cdot 10^{-10}$	0	$7.156 \cdot 10^{-11}$	$7.156 \cdot 10^{-11}$	0
$W^+W^- \to Hc\bar{c}$	$4.774 \cdot 10^{-11}$	$4.774 \cdot 10^{-11}$	0	$8.918 \cdot 10^{-12}$	$8.918 \cdot 10^{-12}$	0
$W^+W^- \to Hd\bar{d}$	$-3.353 \cdot 10^{-11}$	$-3.353 \cdot 10^{-11}$	0	$6.814 \cdot 10^{-13}$	$6.814 \cdot 10^{-13}$	0

$W^+W^- \to W^+W^-$	0.01322	0.01322	0	0.0006346	0.0006346	0
$W^+W^- \to \gamma\gamma$	$-4.479 \cdot 10^{-5}$	$-4.479 \cdot 10^{-5}$	0	$1.791 \cdot 10^{-6}$	$1.791 \cdot 10^{-6}$	0
$W^+W^- \to \gamma\gamma\gamma$	$-1.501 \cdot 10^{-12}$	$-1.501 \cdot 10^{-12}$	0	$2.175 \cdot 10^{-13}$	$2.175 \cdot 10^{-13}$	0
$\bar{b}t \to \bar{d}u$	$-1.013 \cdot 10^{-10}$	$-1.013 \cdot 10^{-10}$	0	$4.096 \cdot 10^{-12}$	$4.096 \cdot 10^{-12}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$-8.222 \cdot 10^{-11}$	$-8.222 \cdot 10^{-11}$	0	$4.013 \cdot 10^{-12}$	$4.013 \cdot 10^{-12}$	0
$b\bar{b} \to \mu^+\mu^-$	$-1.131 \cdot 10^{-11}$	$-1.131 \cdot 10^{-11}$	0	$3.352 \cdot 10^{-13}$	$3.352 \cdot 10^{-13}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-1.997 \cdot 10^{-11}$	$-1.997 \cdot 10^{-11}$	0	$9.744 \cdot 10^{-13}$	$9.744 \cdot 10^{-13}$	0
$b\bar{b} \to b\bar{b}$	$3.654 \cdot 10^{-9}$	$3.654 \cdot 10^{-9}$	0	$3.341 \cdot 10^{-11}$	$3.341 \cdot 10^{-11}$	0
$b\bar{b} \to t\bar{t}$	$-1.244 \cdot 10^{-6}$	$-1.244 \cdot 10^{-6}$	0	$1.022 \cdot 10^{-7}$	$1.022 \cdot 10^{-7}$	0
$b\bar{t} \to e^-\bar{\nu}_e$	$-3.957 \cdot 10^{-11}$	$-3.957 \cdot 10^{-11}$	0	$1.599 \cdot 10^{-12}$	$1.599 \cdot 10^{-12}$	0
$c\bar{c} \to \mu^+\mu^-$	$6.431 \cdot 10^{-12}$	$6.431 \cdot 10^{-12}$	0	$2.481 \cdot 10^{-13}$	$2.481 \cdot 10^{-13}$	0
$c\bar{s} \to \tau^+\nu_\tau$	$-1.567 \cdot 10^{-11}$	$-1.567 \cdot 10^{-11}$	0	$6.335 \cdot 10^{-13}$	$6.335 \cdot 10^{-13}$	0
$d\bar{d} \to c\bar{c}$	$-1.82 \cdot 10^{-11}$	$-1.82 \cdot 10^{-11}$	0	$8.73 \cdot 10^{-13}$	$8.73 \cdot 10^{-13}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$-6.023 \cdot 10^{-6}$	$-6.023 \cdot 10^{-6}$	0	$2.939 \cdot 10^{-7}$	$2.939 \cdot 10^{-7}$	0
$e^+\nu_e \to \mu^+\nu_\mu$	$-1.289 \cdot 10^{-11}$	$-1.289 \cdot 10^{-11}$	0	$5.209 \cdot 10^{-13}$	$5.209 \cdot 10^{-13}$	0
$e^+\nu_e \to e^+\nu_e$	$-3.73 \cdot 10^{-8}$	$-3.73 \cdot 10^{-8}$	0	$9.657 \cdot 10^{-10}$	$9.657 \cdot 10^{-10}$	0
$e^+\tau^- \to e^+\tau^-$	$2.281 \cdot 10^{-10}$	$2.281 \cdot 10^{-10}$	0	$2.504 \cdot 10^{-12}$	$2.504 \cdot 10^{-12}$	0
$e^+e^- \to \mu^+\mu^-$	$1.332 \cdot 10^{-11}$	$1.332 \cdot 10^{-11}$	0	$6.225 \cdot 10^{-13}$	$6.225 \cdot 10^{-13}$	0
$e^+e^- \to e^+e^-$	$2.694 \cdot 10^{-9}$	$2.694 \cdot 10^{-9}$	0	$4.92 \cdot 10^{-11}$	$4.92 \cdot 10^{-11}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-2.62 \cdot 10^{-11}$	$-2.62 \cdot 10^{-11}$	0	$1.278 \cdot 10^{-12}$	$1.278 \cdot 10^{-12}$	0
$s\bar{s} \to s\bar{s}$	$2.156 \cdot 10^{-9}$	$2.156 \cdot 10^{-9}$	0	$1.806 \cdot 10^{-11}$	$1.806 \cdot 10^{-11}$	0
$t\bar{t} \to t\bar{t}$	$7.379 \cdot 10^{-9}$	$7.379 \cdot 10^{-9}$	0	$5.684 \cdot 10^{-10}$	$5.684 \cdot 10^{-10}$	0
$tg \to bW^+$	$4.36 \cdot 10^{-8}$	$4.36 \cdot 10^{-8}$	0	$2.729 \cdot 10^{-9}$	$2.729 \cdot 10^{-9}$	0
$u\bar{d} \to c\bar{s}$	$-1.77 \cdot 10^{-12}$	$-1.77 \cdot 10^{-12}$	0	$7.155 \cdot 10^{-14}$	$7.155 \cdot 10^{-14}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-1.846 \cdot 10^{-11}$	$-1.846 \cdot 10^{-11}$	0	$9.008 \cdot 10^{-13}$	$9.008 \cdot 10^{-13}$	0
$u\bar{u} \to u\bar{u}$	$2.61 \cdot 10^{-7}$	$2.61 \cdot 10^{-7}$	0	$1.478 \cdot 10^{-8}$	$1.478 \cdot 10^{-8}$	0
$zz \to W^+W^-$	0.01038	0.01038	0	0.0004122	0.0004122	0

2.14 cHu

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$2.283 \cdot 10^{-15}$	$2.283 \cdot 10^{-15}$	0	$4.248 \cdot 10^{-16}$	$4.248 \cdot 10^{-16}$	0
$HH \to zc\bar{c}$	$3.853 \cdot 10^{-14}$	$3.853 \cdot 10^{-14}$	0	$4.392 \cdot 10^{-15}$	$4.392 \cdot 10^{-15}$	0
$HH \to zt\bar{t}$	$-2.35 \cdot 10^{-10}$	$-2.35 \cdot 10^{-10}$	0	$1.485 \cdot 10^{-13}$	$1.485 \cdot 10^{-13}$	0
$HH \to zz$	$1.079 \cdot 10^{-6}$	$1.079 \cdot 10^{-6}$	0	$9.662 \cdot 10^{-9}$	$9.662 \cdot 10^{-9}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$-4.617 \cdot 10^{-12}$	$-4.617 \cdot 10^{-12}$	0	$3.6 \cdot 10^{-14}$	$3.6 \cdot 10^{-14}$	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	$-7.959 \cdot 10^{-12}$	$-7.959 \cdot 10^{-12}$	0	$6.198 \cdot 10^{-14}$	$6.198 \cdot 10^{-14}$	0
$Hz \to s\bar{s}$	$-2.188 \cdot 10^{-11}$	$-2.188 \cdot 10^{-11}$	0	$1.705 \cdot 10^{-13}$	$1.705 \cdot 10^{-13}$	0
$Hz \to t\bar{t}$	$6.689 \cdot 10^{-8}$	$6.689 \cdot 10^{-8}$	0	$1.643 \cdot 10^{-10}$	$1.643 \cdot 10^{-10}$	0
$W^+W^- \to Hb\bar{b}$	$-9.207 \cdot 10^{-11}$	$-9.207 \cdot 10^{-11}$	0	$5.646 \cdot 10^{-14}$	$5.646 \cdot 10^{-14}$	0
$W^+W^- \to Hc\bar{c}$	$1.028 \cdot 10^{-11}$	$1.028 \cdot 10^{-11}$	0	$1.035 \cdot 10^{-13}$	$1.035 \cdot 10^{-13}$	0
$W^+W^- \to Hd\bar{d}$	$6.256 \cdot 10^{-11}$	$6.256 \cdot 10^{-11}$	0	$1.597 \cdot 10^{-12}$	$1.597 \cdot 10^{-12}$	0
$W^+W^- \to W^+W^-$	$3.733 \cdot 10^{-5}$	$3.733 \cdot 10^{-5}$	0	$3.768 \cdot 10^{-7}$	$3.768 \cdot 10^{-7}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$-1.515 \cdot 10^{-11}$	$-1.515 \cdot 10^{-11}$	0	$1.179 \cdot 10^{-13}$	$1.179 \cdot 10^{-13}$	0
$b\bar{b} \to \mu^+\mu^-$	$-1.15 \cdot 10^{-12}$	$-1.15 \cdot 10^{-12}$	0	$7.633 \cdot 10^{-15}$	$7.633 \cdot 10^{-15}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-5.582 \cdot 10^{-13}$	$-5.582 \cdot 10^{-13}$	0	$4.347 \cdot 10^{-15}$	$4.347 \cdot 10^{-15}$	0
$b\bar{b} \to b\bar{b}$	$2.774 \cdot 10^{-11}$	$2.774 \cdot 10^{-11}$	0	$4.435 \cdot 10^{-14}$	$4.435 \cdot 10^{-14}$	0
$b\bar{b} \to t\bar{t}$	$-6.374 \cdot 10^{-8}$	$-6.374 \cdot 10^{-8}$	0	$7.712 \cdot 10^{-14}$	$7.712 \cdot 10^{-14}$	0
$c\bar{c} \to \mu^+\mu^-$	$-4.337 \cdot 10^{-12}$	$-4.337 \cdot 10^{-12}$	0	$8.795 \cdot 10^{-15}$	$8.795 \cdot 10^{-15}$	0
$d\bar{d} \to c\bar{c}$	$-5.737 \cdot 10^{-12}$	$-5.737 \cdot 10^{-12}$	0	$3.241 \cdot 10^{-14}$	$3.241 \cdot 10^{-14}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$-3.047 \cdot 10^{-9}$	$-3.047 \cdot 10^{-9}$	0	$2.373 \cdot 10^{-11}$	$2.373 \cdot 10^{-11}$	0
$e^+\nu_e \to e^+\nu_e$	$-3.912 \cdot 10^{-9}$	$-3.912 \cdot 10^{-9}$	0	$1.787 \cdot 10^{-11}$	$1.787 \cdot 10^{-11}$	0
$e^+\tau^- \to e^+\tau^-$	$2.61 \cdot 10^{-11}$	$2.61 \cdot 10^{-11}$	0	$4.333 \cdot 10^{-14}$	$4.333 \cdot 10^{-14}$	0
$e^+e^- \to \mu^+\mu^-$	$-2.369 \cdot 10^{-11}$	$-2.369 \cdot 10^{-11}$	0	$2.825 \cdot 10^{-14}$	$2.825 \cdot 10^{-14}$	0
$e^+e^- \to e^+e^-$	$1.362 \cdot 10^{-10}$	$1.362 \cdot 10^{-10}$	0	$2.891 \cdot 10^{-13}$	$2.891 \cdot 10^{-13}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-6.706 \cdot 10^{-12}$	$-6.706 \cdot 10^{-12}$	0	$5.222 \cdot 10^{-14}$	$5.222 \cdot 10^{-14}$	0
$s\bar{s} \to s\bar{s}$	$6.803 \cdot 10^{-12}$	$6.803 \cdot 10^{-12}$	0	$2.395 \cdot 10^{-14}$	$2.395 \cdot 10^{-14}$	0

	interference			square		
$t\bar{t} \to t\bar{t}$	$5.009 \cdot 10^{-10}$	$5.009 \cdot 10^{-10}$	0	$2.627 \cdot 10^{-12}$	$2.627 \cdot 10^{-12}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$-1.331 \cdot 10^{-12}$	$-1.331 \cdot 10^{-12}$	0	$1.037 \cdot 10^{-14}$	$1.037 \cdot 10^{-14}$	0
$u\bar{u} \to u\bar{u}$	$7.441 \cdot 10^{-11}$	$7.441 \cdot 10^{-11}$	0	$1.171 \cdot 10^{-13}$	$1.171 \cdot 10^{-13}$	0

2.15 cHudRe

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$-3.611 \cdot 10^{-13}$	$-3.611 \cdot 10^{-13}$	0	$5.304 \cdot 10^{-19}$	$5.304 \cdot 10^{-19}$	0
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$-1.761 \cdot 10^{-15}$	$-1.761 \cdot 10^{-15}$	0	$2.205 \cdot 10^{-21}$	$2.205 \cdot 10^{-21}$	0
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$4.803 \cdot 10^{-10}$	$4.803 \cdot 10^{-10}$	0	$9.011 \cdot 10^{-15}$	$9.011 \cdot 10^{-15}$	0
$W^+W^- \to Hb\bar{b}$	$-5.014 \cdot 10^{-12}$	$-5.014 \cdot 10^{-12}$	0	$7.343 \cdot 10^{-18}$	$7.343 \cdot 10^{-18}$	0
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1

	interference			square		
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$7.079 \cdot 10^{-12}$	$7.079 \cdot 10^{-12}$	0	$1.506 \cdot 10^{-16}$	$1.506 \cdot 10^{-16}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.16 cW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1

$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.17 cdBRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$7.27 \cdot 10^{-16}$	$7.27 \cdot 10^{-16}$	0	$7.373 \cdot 10^{-21}$	$7.373 \cdot 10^{-21}$	0
$HH \to zc\bar{c}$	$-3.645 \cdot 10^{-16}$	$-3.645 \cdot 10^{-16}$	0	$1.037 \cdot 10^{-21}$	$1.037 \cdot 10^{-21}$	0
$HH \to zt\bar{t}$	$-2.201 \cdot 10^{-13}$	$-2.201 \cdot 10^{-13}$	0	$1.919 \cdot 10^{-18}$	$1.919 \cdot 10^{-18}$	0
$HH \to zz$	$-2.827 \cdot 10^{-9}$	$-2.827 \cdot 10^{-9}$	0	$6.768 \cdot 10^{-14}$	$6.768 \cdot 10^{-14}$	0
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$1.003 \cdot 10^{-14}$	$1.003 \cdot 10^{-14}$	0	$1.943 \cdot 10^{-19}$	$1.943 \cdot 10^{-19}$	0

	interference			square		
$Hz \to \nu_\tau \bar{\nu}_\tau$	$2.54 \cdot 10^{-14}$	$2.54 \cdot 10^{-14}$	0	$4.913 \cdot 10^{-19}$	$4.913 \cdot 10^{-19}$	0
$Hz \to s\bar{s}$	$5.922 \cdot 10^{-14}$	$5.922 \cdot 10^{-14}$	0	$1.146 \cdot 10^{-18}$	$1.146 \cdot 10^{-18}$	0
$Hz \to t\bar{t}$	$-1.389 \cdot 10^{-10}$	$-1.389 \cdot 10^{-10}$	0	$1.014 \cdot 10^{-15}$	$1.014 \cdot 10^{-15}$	0
$W^+W^- \to Hb\bar{b}$	$-1.486 \cdot 10^{-13}$	$-1.486 \cdot 10^{-13}$	0	$8.82 \cdot 10^{-19}$	$8.82 \cdot 10^{-19}$	0
$W^+W^- \to Hc\bar{c}$	$-3.585 \cdot 10^{-14}$	$-3.585 \cdot 10^{-14}$	0	$1.533 \cdot 10^{-18}$	$1.533 \cdot 10^{-18}$	0
$W^+W^- \to Hd\bar{d}$	$8.917 \cdot 10^{-15}$	$8.917 \cdot 10^{-15}$	0	$1.28 \cdot 10^{-19}$	$1.28 \cdot 10^{-19}$	0
$W^+W^- \to W^+W^-$	$-5.238 \cdot 10^{-6}$	$-5.238 \cdot 10^{-6}$	0	$9.97 \cdot 10^{-11}$	$9.97 \cdot 10^{-11}$	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$3.259 \cdot 10^{-14}$	$3.259 \cdot 10^{-14}$	0	$6.304 \cdot 10^{-19}$	$6.304 \cdot 10^{-19}$	0
$b\bar{b} \to \mu^+\mu^-$	$4.483 \cdot 10^{-15}$	$4.483 \cdot 10^{-15}$	0	$5.266 \cdot 10^{-20}$	$5.266 \cdot 10^{-20}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$7.914 \cdot 10^{-15}$	$7.914 \cdot 10^{-15}$	0	$1.531 \cdot 10^{-19}$	$1.531 \cdot 10^{-19}$	0
$b\bar{b} \to b\bar{b}$	$-1.448 \cdot 10^{-12}$	$-1.448 \cdot 10^{-12}$	0	$5.249 \cdot 10^{-18}$	$5.249 \cdot 10^{-18}$	0
$b\bar{b} \to t\bar{t}$	$1.984 \cdot 10^{-12}$	$1.984 \cdot 10^{-12}$	0	$3.983 \cdot 10^{-19}$	$3.983 \cdot 10^{-19}$	0
$c\bar{c} \to \mu^+\mu^-$	$-2.549 \cdot 10^{-15}$	$-2.549 \cdot 10^{-15}$	0	$3.897 \cdot 10^{-20}$	$3.897 \cdot 10^{-20}$	0
$d\bar{d} \to c\bar{c}$	$7.215 \cdot 10^{-15}$	$7.215 \cdot 10^{-15}$	0	$1.372 \cdot 10^{-19}$	$1.372 \cdot 10^{-19}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$2.387 \cdot 10^{-9}$	$2.387 \cdot 10^{-9}$	0	$4.618 \cdot 10^{-14}$	$4.618 \cdot 10^{-14}$	0
$e^+\nu_e \to e^+\nu_e$	$1.422 \cdot 10^{-11}$	$1.422 \cdot 10^{-11}$	0	$1.657 \cdot 10^{-16}$	$1.657 \cdot 10^{-16}$	0
$e^+\tau^- \to e^+\tau^-$	$-9.042 \cdot 10^{-14}$	$-9.042 \cdot 10^{-14}$	0	$3.935 \cdot 10^{-19}$	$3.935 \cdot 10^{-19}$	0
$e^+e^- \to \mu^+\mu^-$	$-5.278 \cdot 10^{-15}$	$-5.278 \cdot 10^{-15}$	0	$9.779 \cdot 10^{-20}$	$9.779 \cdot 10^{-20}$	0
$e^+e^- \to e^+e^-$	$-1.068 \cdot 10^{-12}$	$-1.068 \cdot 10^{-12}$	0	$7.729 \cdot 10^{-18}$	$7.729 \cdot 10^{-18}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$1.038 \cdot 10^{-14}$	$1.038 \cdot 10^{-14}$	0	$2.008 \cdot 10^{-19}$	$2.008 \cdot 10^{-19}$	0
$s\bar{s} \to s\bar{s}$	$-8.544 \cdot 10^{-13}$	$-8.544 \cdot 10^{-13}$	0	$2.838 \cdot 10^{-18}$	$2.838 \cdot 10^{-18}$	0
$t\bar{t} \to t\bar{t}$	$-2.925 \cdot 10^{-12}$	$-2.925 \cdot 10^{-12}$	0	$8.93 \cdot 10^{-17}$	$8.93 \cdot 10^{-17}$	0
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$7.316 \cdot 10^{-15}$	$7.316 \cdot 10^{-15}$	0	$1.415 \cdot 10^{-19}$	$1.415 \cdot 10^{-19}$	0
$u\bar{u} \to u\bar{u}$	$-1.034 \cdot 10^{-10}$	$-1.034 \cdot 10^{-10}$	0	$2.321 \cdot 10^{-15}$	$2.321 \cdot 10^{-15}$	0

2.18 cdGRe

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1

	mod1	mod2	1		mod1	mod2	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1		$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1		$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1		$7.647 \cdot 10^{-38}$	0	1

2.19 cdHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	$-4.598 \cdot 10^{-14}$	$-4.598 \cdot 10^{-14}$	0	$2.125 \cdot 10^{-16}$	$2.125 \cdot 10^{-16}$	0
$HH \to H\tau^+\tau^-$	$-1.416 \cdot 10^{-20}$	$-1.416 \cdot 10^{-20}$	0	$6.068 \cdot 10^{-22}$	$6.068 \cdot 10^{-22}$	0
$HH \to Hb\bar{b}$	$-4.402 \cdot 10^{-22}$	$-4.402 \cdot 10^{-22}$	0	$3.789 \cdot 10^{-23}$	$3.789 \cdot 10^{-23}$	0
$HH \to W^+W^-$	$-3.727 \cdot 10^{-10}$	$-3.727 \cdot 10^{-10}$	0	$8.01 \cdot 10^{-16}$	$8.01 \cdot 10^{-16}$	0
$HH \to W^+W^-\gamma$	$-1.482 \cdot 10^{-15}$	$-1.482 \cdot 10^{-15}$	0	$1.781 \cdot 10^{-21}$	$1.781 \cdot 10^{-21}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.334 \cdot 10^{-16}$	$1.334 \cdot 10^{-16}$	0	$1.365 \cdot 10^{-23}$	$1.365 \cdot 10^{-23}$	0
$HH \to W^-u\bar{d}$	$6.676 \cdot 10^{-17}$	$6.676 \cdot 10^{-17}$	0	$5.791 \cdot 10^{-25}$	$5.791 \cdot 10^{-25}$	0
$HH \to z\bar{b}b$	$9.639 \cdot 10^{-17}$	$9.639 \cdot 10^{-17}$	0	$6.075 \cdot 10^{-24}$	$6.075 \cdot 10^{-24}$	0
$HH \to zc\bar{c}$	$5.94 \cdot 10^{-17}$	$5.94 \cdot 10^{-17}$	0	$1.905 \cdot 10^{-22}$	$1.905 \cdot 10^{-22}$	0
$HH \to zt\bar{t}$	$1.323 \cdot 10^{-14}$	$1.323 \cdot 10^{-14}$	0	$5.946 \cdot 10^{-22}$	$5.946 \cdot 10^{-22}$	0
$HH \to zz$	$-2.483 \cdot 10^{-10}$	$-2.483 \cdot 10^{-10}$	0	$3.975 \cdot 10^{-16}$	$3.975 \cdot 10^{-16}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.341 \cdot 10^{-15}$	$1.341 \cdot 10^{-15}$	0	$1.513 \cdot 10^{-21}$	$1.513 \cdot 10^{-21}$	0
$W^+W^- \to Hc\bar{c}$	$-2.323 \cdot 10^{-18}$	$-2.323 \cdot 10^{-18}$	$8.608 \cdot 10^{-8}$	$2.123 \cdot 10^{-23}$	$2.123 \cdot 10^{-23}$	0
$W^+W^- \to Hd\bar{d}$	$-1.634 \cdot 10^{-21}$	$-1.633 \cdot 10^{-21}$	0.0005458	$3.469 \cdot 10^{-26}$	$3.469 \cdot 10^{-26}$	0
$W^+W^- \to W^+W^-$	$-1.027 \cdot 10^{-8}$	$-1.027 \cdot 10^{-8}$	0	$1.555 \cdot 10^{-13}$	$1.555 \cdot 10^{-13}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1

	interference			square		
$b\bar{b} \to \mu^+\mu^-$	$6.998 \cdot 10^{-25}$	$6.834 \cdot 10^{-25}$	0.02343	$2.423 \cdot 10^{-26}$	$2.423 \cdot 10^{-26}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$3.711 \cdot 10^{-17}$	$3.711 \cdot 10^{-17}$	$-2.695 \cdot 10^{-8}$	$2.229 \cdot 10^{-22}$	$2.229 \cdot 10^{-22}$	0
$b\bar{b} \to t\bar{t}$	$-7.537 \cdot 10^{-14}$	$-7.537 \cdot 10^{-14}$	$-1.327 \cdot 10^{-8}$	$1.712 \cdot 10^{-19}$	$1.712 \cdot 10^{-19}$	0
$c\bar{c} \to \mu^+\mu^-$	$1.277 \cdot 10^{-25}$	$6.589 \cdot 10^{-26}$	0.4841	$2.237 \cdot 10^{-27}$	$2.237 \cdot 10^{-27}$	0
$d\bar{d} \to c\bar{c}$	$8.224 \cdot 10^{-26}$	$4.364 \cdot 10^{-28}$	0.9947	$1.311 \cdot 10^{-29}$	$1.311 \cdot 10^{-29}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	$9.841 \cdot 10^{-30}$	1	$3.321 \cdot 10^{-31}$	$3.321 \cdot 10^{-31}$	0
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	$3.171 \cdot 10^{-32}$	1	$1.087 \cdot 10^{-33}$	$1.087 \cdot 10^{-33}$	0
$e^+e^- \to e^+e^-$	$6.974 \cdot 10^{-24}$	$8.917 \cdot 10^{-24}$	-0.2785	$4.413 \cdot 10^{-38}$	$4.606 \cdot 10^{-38}$	-0.04387
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$1.626 \cdot 10^{-20}$	$1.626 \cdot 10^{-20}$	$-5.966 \cdot 10^{-6}$	$4.884 \cdot 10^{-29}$	$4.884 \cdot 10^{-29}$	$-1.433 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	$-5.529 \cdot 10^{-13}$	$-5.529 \cdot 10^{-13}$	0	$3.017 \cdot 10^{-16}$	$3.017 \cdot 10^{-16}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$2.482 \cdot 10^{-23}$	$2.588 \cdot 10^{-23}$	-0.04275	$1.823 \cdot 10^{-35}$	$1.824 \cdot 10^{-35}$	-0.0004398
$zz \to W^+W^-$	$-1.009 \cdot 10^{-7}$	$-1.009 \cdot 10^{-7}$	0	$4.04 \cdot 10^{-14}$	$4.04 \cdot 10^{-14}$	0

2.20 cdWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$1.317 \cdot 10^{-15}$	$1.317 \cdot 10^{-15}$	0	$2.419 \cdot 10^{-20}$	$2.419 \cdot 10^{-20}$	0
$HH \to zc\bar{c}$	$-6.603 \cdot 10^{-16}$	$-6.603 \cdot 10^{-16}$	0	$3.404 \cdot 10^{-21}$	$3.404 \cdot 10^{-21}$	0
$HH \to zt\bar{t}$	$-5.068 \cdot 10^{-13}$	$-5.068 \cdot 10^{-13}$	0	$2.874 \cdot 10^{-17}$	$2.874 \cdot 10^{-17}$	0
$HH \to zz$	$-5.121 \cdot 10^{-9}$	$-5.121 \cdot 10^{-9}$	0	$2.221 \cdot 10^{-13}$	$2.221 \cdot 10^{-13}$	0
$HW^+ \to \gamma t\bar{b}$	$-9.574 \cdot 10^{-14}$	$-9.574 \cdot 10^{-14}$	0	$5.201 \cdot 10^{-19}$	$5.201 \cdot 10^{-19}$	0
$Hz \to \mu^+\mu^-$	$1.817 \cdot 10^{-14}$	$1.817 \cdot 10^{-14}$	0	$6.376 \cdot 10^{-19}$	$6.376 \cdot 10^{-19}$	0

	interference			square		
$Hz \to \nu_\tau \bar{\nu}_\tau$	$4.601 \cdot 10^{-14}$	$4.601 \cdot 10^{-14}$	0	$1.612 \cdot 10^{-18}$	$1.612 \cdot 10^{-18}$	0
$Hz \to s\bar{s}$	$1.073 \cdot 10^{-13}$	$1.073 \cdot 10^{-13}$	0	$3.761 \cdot 10^{-18}$	$3.761 \cdot 10^{-18}$	0
$Hz \to t\bar{t}$	$8.634 \cdot 10^{-10}$	$8.634 \cdot 10^{-10}$	0	$3.275 \cdot 10^{-14}$	$3.275 \cdot 10^{-14}$	0
$W^+W^- \to Hb\bar{b}$	$-1.611 \cdot 10^{-12}$	$-1.611 \cdot 10^{-12}$	0	$4.053 \cdot 10^{-17}$	$4.053 \cdot 10^{-17}$	0
$W^+W^- \to Hc\bar{c}$	$-6.493 \cdot 10^{-14}$	$-6.493 \cdot 10^{-14}$	0	$5.03 \cdot 10^{-18}$	$5.03 \cdot 10^{-18}$	0
$W^+W^- \to Hd\bar{d}$	$1.615 \cdot 10^{-14}$	$1.615 \cdot 10^{-14}$	0	$4.2 \cdot 10^{-19}$	$4.2 \cdot 10^{-19}$	0
$W^+W^- \to W^+W^-$	$-9.489 \cdot 10^{-6}$	$-9.489 \cdot 10^{-6}$	0	$3.272 \cdot 10^{-10}$	$3.272 \cdot 10^{-10}$	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$5.904 \cdot 10^{-14}$	$5.904 \cdot 10^{-14}$	0	$2.069 \cdot 10^{-18}$	$2.069 \cdot 10^{-18}$	0
$b\bar{b} \to \mu^+ \mu^-$	$8.12 \cdot 10^{-15}$	$8.12 \cdot 10^{-15}$	0	$1.728 \cdot 10^{-19}$	$1.728 \cdot 10^{-19}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$1.434 \cdot 10^{-14}$	$1.434 \cdot 10^{-14}$	0	$5.023 \cdot 10^{-19}$	$5.023 \cdot 10^{-19}$	0
$b\bar{b} \to b\bar{b}$	$-2.624 \cdot 10^{-12}$	$-2.624 \cdot 10^{-12}$	0	$1.722 \cdot 10^{-17}$	$1.722 \cdot 10^{-17}$	0
$b\bar{b} \to t\bar{t}$	$3.594 \cdot 10^{-12}$	$3.594 \cdot 10^{-12}$	0	$1.307 \cdot 10^{-18}$	$1.307 \cdot 10^{-18}$	0
$c\bar{c} \to \mu^+ \mu^-$	$-4.617 \cdot 10^{-15}$	$-4.617 \cdot 10^{-15}$	0	$1.279 \cdot 10^{-19}$	$1.279 \cdot 10^{-19}$	0
$d\bar{d} \to c\bar{c}$	$1.307 \cdot 10^{-14}$	$1.307 \cdot 10^{-14}$	0	$4.501 \cdot 10^{-19}$	$4.501 \cdot 10^{-19}$	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	$4.325 \cdot 10^{-9}$	$4.325 \cdot 10^{-9}$	0	$1.515 \cdot 10^{-13}$	$1.515 \cdot 10^{-13}$	0
$e^+ \nu_e \to e^+ \nu_e$	$2.576 \cdot 10^{-11}$	$2.576 \cdot 10^{-11}$	0	$5.438 \cdot 10^{-16}$	$5.438 \cdot 10^{-16}$	0
$e^+ \tau^- \to e^+ \tau^-$	$-1.638 \cdot 10^{-13}$	$-1.638 \cdot 10^{-13}$	0	$1.291 \cdot 10^{-18}$	$1.291 \cdot 10^{-18}$	0
$e^+ e^- \to \mu^+ \mu^-$	$-9.561 \cdot 10^{-15}$	$-9.561 \cdot 10^{-15}$	0	$3.209 \cdot 10^{-19}$	$3.209 \cdot 10^{-19}$	0
$e^+ e^- \to e^+ e^-$	$-1.934 \cdot 10^{-12}$	$-1.934 \cdot 10^{-12}$	0	$2.536 \cdot 10^{-17}$	$2.536 \cdot 10^{-17}$	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$1.881 \cdot 10^{-14}$	$1.881 \cdot 10^{-14}$	0	$6.591 \cdot 10^{-19}$	$6.591 \cdot 10^{-19}$	0
$s\bar{s} \to s\bar{s}$	$-1.548 \cdot 10^{-12}$	$-1.548 \cdot 10^{-12}$	0	$9.311 \cdot 10^{-18}$	$9.311 \cdot 10^{-18}$	0
$t\bar{t} \to t\bar{t}$	$-5.298 \cdot 10^{-12}$	$-5.298 \cdot 10^{-12}$	0	$2.93 \cdot 10^{-16}$	$2.93 \cdot 10^{-16}$	0
$tg \to bW^+$	$5.371 \cdot 10^{-11}$	$5.371 \cdot 10^{-11}$	0	$4.141 \cdot 10^{-15}$	$4.141 \cdot 10^{-15}$	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.325 \cdot 10^{-14}$	$1.325 \cdot 10^{-14}$	0	$4.644 \cdot 10^{-19}$	$4.644 \cdot 10^{-19}$	0
$u\bar{u} \to u\bar{u}$	$-1.874 \cdot 10^{-10}$	$-1.874 \cdot 10^{-10}$	0	$7.617 \cdot 10^{-15}$	$7.617 \cdot 10^{-15}$	0

2.21   cdd

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1

	interference			square		
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.22   cdd1

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1

	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$e^+ \nu_e \to e^+ \nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+ \tau^- \to e^+ \tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+ e^- \to \mu^+ \mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+ e^- \to e^+ e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.23 ceBRe

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+ \mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+ W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+ W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+ W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+ W^- \to W^+ W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1

$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.24   ceHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	$-4.952 \cdot 10^{-15}$	$-4.952 \cdot 10^{-15}$	0	$2.465 \cdot 10^{-18}$	$2.465 \cdot 10^{-18}$	0
$HH \to H\tau^+\tau^-$	$-1.525 \cdot 10^{-21}$	$-1.525 \cdot 10^{-21}$	0	$7.038 \cdot 10^{-24}$	$7.038 \cdot 10^{-24}$	0
$HH \to Hb\bar{b}$	$-4.741 \cdot 10^{-23}$	$-4.741 \cdot 10^{-23}$	0	$4.395 \cdot 10^{-25}$	$4.395 \cdot 10^{-25}$	0
$HH \to W^+W^-$	$-4.014 \cdot 10^{-11}$	$-4.014 \cdot 10^{-11}$	0	$9.29 \cdot 10^{-18}$	$9.29 \cdot 10^{-18}$	0
$HH \to W^+W^-\gamma$	$-1.596 \cdot 10^{-16}$	$-1.596 \cdot 10^{-16}$	0	$2.065 \cdot 10^{-23}$	$2.065 \cdot 10^{-23}$	0
$HH \to W^+e^-\bar{\nu}_e$	$1.436 \cdot 10^{-17}$	$1.436 \cdot 10^{-17}$	0	$1.583 \cdot 10^{-25}$	$1.583 \cdot 10^{-25}$	0
$HH \to W^-u\bar{d}$	$7.19 \cdot 10^{-18}$	$7.19 \cdot 10^{-18}$	0	$6.717 \cdot 10^{-27}$	$6.717 \cdot 10^{-27}$	0

$HH \to z\bar{b}b$	$1.038 \cdot 10^{-17}$	$1.038 \cdot 10^{-17}$	0	$7.045 \cdot 10^{-26}$	$7.045 \cdot 10^{-26}$	0
$HH \to zc\bar{c}$	$6.398 \cdot 10^{-18}$	$6.398 \cdot 10^{-18}$	0	$2.21 \cdot 10^{-24}$	$2.21 \cdot 10^{-24}$	0
$HH \to zt\bar{t}$	$1.425 \cdot 10^{-15}$	$1.425 \cdot 10^{-15}$	0	$6.897 \cdot 10^{-24}$	$6.897 \cdot 10^{-24}$	0
$HH \to zz$	$-2.674 \cdot 10^{-11}$	$-2.674 \cdot 10^{-11}$	0	$4.61 \cdot 10^{-18}$	$4.61 \cdot 10^{-18}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.444 \cdot 10^{-16}$	$1.444 \cdot 10^{-16}$	$6.924 \cdot 10^{-8}$	$1.755 \cdot 10^{-23}$	$1.755 \cdot 10^{-23}$	0
$W^+W^- \to Hc\bar{c}$	$-2.502 \cdot 10^{-19}$	$-2.502 \cdot 10^{-19}$	$5.995 \cdot 10^{-7}$	$2.462 \cdot 10^{-25}$	$2.462 \cdot 10^{-25}$	0
$W^+W^- \to Hd\bar{d}$	$-1.768 \cdot 10^{-22}$	$-1.759 \cdot 10^{-22}$	0.005045	$4.023 \cdot 10^{-28}$	$4.023 \cdot 10^{-28}$	0
$W^+W^- \to W^+W^-$	$-1.106 \cdot 10^{-9}$	$-1.106 \cdot 10^{-9}$	0	$1.804 \cdot 10^{-15}$	$1.804 \cdot 10^{-15}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$8.999 \cdot 10^{-26}$	$7.36 \cdot 10^{-26}$	0.1822	$2.811 \cdot 10^{-28}$	$2.811 \cdot 10^{-28}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$3.997 \cdot 10^{-18}$	$3.997 \cdot 10^{-18}$	$-1.001 \cdot 10^{-7}$	$2.586 \cdot 10^{-24}$	$2.586 \cdot 10^{-24}$	0
$b\bar{b} \to t\bar{t}$	$-8.117 \cdot 10^{-15}$	$-8.117 \cdot 10^{-15}$	$-1.109 \cdot 10^{-7}$	$1.985 \cdot 10^{-21}$	$1.985 \cdot 10^{-21}$	0
$c\bar{c} \to \mu^+\mu^-$	$6.893 \cdot 10^{-26}$	$7.096 \cdot 10^{-27}$	0.8971	$2.595 \cdot 10^{-29}$	$2.595 \cdot 10^{-29}$	0
$d\bar{d} \to c\bar{c}$	$8.185 \cdot 10^{-26}$	$4.7 \cdot 10^{-29}$	0.9994	$1.521 \cdot 10^{-31}$	$1.521 \cdot 10^{-31}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	$1.06 \cdot 10^{-30}$	1	$3.851 \cdot 10^{-33}$	$3.851 \cdot 10^{-33}$	0
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	$3.415 \cdot 10^{-33}$	1	$1.26 \cdot 10^{-35}$	$1.26 \cdot 10^{-35}$	$4.761 \cdot 10^{-7}$
$e^+e^- \to e^+e^-$	$-9.823 \cdot 10^{-25}$	$9.603 \cdot 10^{-25}$	1.978	$3.782 \cdot 10^{-40}$	$5.342 \cdot 10^{-40}$	-0.4126
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$1.751 \cdot 10^{-21}$	$1.751 \cdot 10^{-21}$	$-5.54 \cdot 10^{-5}$	$5.664 \cdot 10^{-31}$	$5.664 \cdot 10^{-31}$	$-1.342 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	$-5.955 \cdot 10^{-14}$	$-5.955 \cdot 10^{-14}$	0	$3.499 \cdot 10^{-18}$	$3.499 \cdot 10^{-18}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1

	interference			square		
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$1.726 \cdot 10^{-24}$	$2.787 \cdot 10^{-24}$	-0.6146	$2.107 \cdot 10^{-37}$	$2.115 \cdot 10^{-37}$	-0.003998
$zz \to W^+W^-$	$-1.087 \cdot 10^{-8}$	$-1.087 \cdot 10^{-8}$	0	$4.686 \cdot 10^{-16}$	$4.686 \cdot 10^{-16}$	0

2.25   ceWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.26   ced

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1

	interference			square		
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.27   cee

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1

	interference			square		
	mod1	mod2	$1-\mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1-\mathtt{mod2}/\mathtt{mod1}$
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.28   ceu

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

$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1

	interference				
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.29   cld

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+ \mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+ W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+ W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+ W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+ W^- \to W^+ W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+ \mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+ \mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+ \nu_\mu \to e^+ \nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+ \nu_e \to e^+ \nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.30   cle

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \nu_e \bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+ \mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+ \nu_\mu \to e^+ \nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+ \nu_e \to e^+ \nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+ \tau^- \to e^+ \tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+ e^- \to \mu^+ \mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+ e^- \to e^+ e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.31 cledqRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+ \mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1

	interference			square		
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.32   clequ1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1

$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1

	interference			square		

$u\bar{u} \to u\bar{u}$ $\quad -1.061 \cdot 10^{-24}$ $\quad 0 \quad 1 \quad$ $2.381 \cdot 10^{-41}$ $\quad 0 \quad 1$

2.33 clequ3Re

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.34   cll

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1

$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.35 cll1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	$2.282 \cdot 10^{-14}$	$2.282 \cdot 10^{-14}$	0	$6.313 \cdot 10^{-17}$	$6.313 \cdot 10^{-17}$	0
$HH \to H\tau^+\tau^-$	$-7.722 \cdot 10^{-23}$	$-7.722 \cdot 10^{-23}$	0	$4.05 \cdot 10^{-24}$	$4.05 \cdot 10^{-24}$	0
$HH \to Hb\bar{b}$	$4.411 \cdot 10^{-22}$	$4.411 \cdot 10^{-22}$	0	$8.873 \cdot 10^{-24}$	$8.873 \cdot 10^{-24}$	0
$HH \to W^+W^-$	-1.997	-1.997	0	0.1938	0.1938	0
$HH \to W^+W^-\gamma$	$-1.492 \cdot 10^{-6}$	$-1.492 \cdot 10^{-6}$	0	$3.254 \cdot 10^{-7}$	$3.254 \cdot 10^{-7}$	0
$HH \to W^+e^-\bar{\nu}_e$	$-5.144 \cdot 10^{-8}$	$-5.144 \cdot 10^{-8}$	0	$8.264 \cdot 10^{-10}$	$8.264 \cdot 10^{-10}$	0
$HH \to W^-u\bar{d}$	$-3.316 \cdot 10^{-8}$	$-3.316 \cdot 10^{-8}$	0	$7.558 \cdot 10^{-9}$	$7.558 \cdot 10^{-9}$	0
$HH \to z\bar{b}b$	$-1.536 \cdot 10^{-12}$	$-1.536 \cdot 10^{-12}$	0	$3.292 \cdot 10^{-14}$	$3.292 \cdot 10^{-14}$	0
$HH \to zc\bar{c}$	$7.702 \cdot 10^{-13}$	$7.702 \cdot 10^{-13}$	0	$4.631 \cdot 10^{-15}$	$4.631 \cdot 10^{-15}$	0
$HH \to zt\bar{t}$	$4.257 \cdot 10^{-10}$	$4.257 \cdot 10^{-10}$	0	$2.985 \cdot 10^{-11}$	$2.985 \cdot 10^{-11}$	0

$HH \to zz$	$5.973 \cdot 10^{-6}$	$5.973 \cdot 10^{-6}$	0	$3.022 \cdot 10^{-7}$	$3.022 \cdot 10^{-7}$	0
$HW^+ \to \gamma t\bar{b}$	$-1.016 \cdot 10^{-8}$	$-1.016 \cdot 10^{-8}$	0	$1.962 \cdot 10^{-9}$	$1.962 \cdot 10^{-9}$	0
$HW^+ \to \gamma u\bar{d}$	$6.646 \cdot 10^{-12}$	$6.646 \cdot 10^{-12}$	0	$1.055 \cdot 10^{-13}$	$1.055 \cdot 10^{-13}$	0
$HW^+ \to u\bar{d}$	$1.052 \cdot 10^{-6}$	$1.052 \cdot 10^{-6}$	0	$1.01 \cdot 10^{-10}$	$1.01 \cdot 10^{-10}$	0
$HW^- \to \gamma e^- \bar{\nu}_e$	$1.112 \cdot 10^{-8}$	$1.112 \cdot 10^{-8}$	0	$7.642 \cdot 10^{-11}$	$7.642 \cdot 10^{-11}$	0
$HW^- \to \mu^- \bar{\nu}_\mu$	$7.832 \cdot 10^{-7}$	$7.832 \cdot 10^{-7}$	0	$1.497 \cdot 10^{-9}$	$1.497 \cdot 10^{-9}$	0
$Hz \to \mu^+ \mu^-$	$-2.119 \cdot 10^{-11}$	$-2.119 \cdot 10^{-11}$	0	$8.675 \cdot 10^{-13}$	$8.675 \cdot 10^{-13}$	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	$-5.367 \cdot 10^{-11}$	$-5.367 \cdot 10^{-11}$	0	$2.193 \cdot 10^{-12}$	$2.193 \cdot 10^{-12}$	0
$Hz \to s\bar{s}$	$-1.251 \cdot 10^{-10}$	$-1.251 \cdot 10^{-10}$	0	$5.117 \cdot 10^{-12}$	$5.117 \cdot 10^{-12}$	0
$Hz \to t\bar{t}$	$6.976 \cdot 10^{-7}$	$6.976 \cdot 10^{-7}$	0	$2.276 \cdot 10^{-8}$	$2.276 \cdot 10^{-8}$	0
$W^+ W^- \to Hb\bar{b}$	$-7.376 \cdot 10^{-7}$	$-7.376 \cdot 10^{-7}$	0	$3.681 \cdot 10^{-8}$	$3.681 \cdot 10^{-8}$	0
$W^+ W^- \to Hc\bar{c}$	$-6.208 \cdot 10^{-8}$	$-6.208 \cdot 10^{-8}$	0	$9.481 \cdot 10^{-10}$	$9.481 \cdot 10^{-10}$	0
$W^+ W^- \to Hd\bar{d}$	$-6.648 \cdot 10^{-9}$	$-6.648 \cdot 10^{-9}$	0	$7.159 \cdot 10^{-11}$	$7.159 \cdot 10^{-11}$	0
$W^+ W^- \to W^+ W^-$	0.01107	0.01107	0	0.0004451	0.0004451	0
$W^+ W^- \to \gamma\gamma$	-0.1024	-0.1024	0	0.0002873	0.0002873	0
$W^+ W^- \to \gamma\gamma\gamma$	$-1.187 \cdot 10^{-8}$	$-1.187 \cdot 10^{-8}$	0	$3.489 \cdot 10^{-11}$	$3.489 \cdot 10^{-11}$	0
$\bar{b}t \to \bar{d}u$	$7.615 \cdot 10^{-6}$	$7.615 \cdot 10^{-6}$	0	$6.572 \cdot 10^{-10}$	$6.572 \cdot 10^{-10}$	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$-6.886 \cdot 10^{-11}$	$-6.886 \cdot 10^{-11}$	0	$2.814 \cdot 10^{-12}$	$2.814 \cdot 10^{-12}$	0
$b\bar{b} \to \mu^+ \mu^-$	$-9.472 \cdot 10^{-12}$	$-9.472 \cdot 10^{-12}$	0	$2.351 \cdot 10^{-13}$	$2.351 \cdot 10^{-13}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$-1.672 \cdot 10^{-11}$	$-1.672 \cdot 10^{-11}$	0	$6.834 \cdot 10^{-13}$	$6.834 \cdot 10^{-13}$	0
$b\bar{b} \to b\bar{b}$	$3.06 \cdot 10^{-9}$	$3.06 \cdot 10^{-9}$	0	$2.343 \cdot 10^{-11}$	$2.343 \cdot 10^{-11}$	0
$b\bar{b} \to t\bar{t}$	-0.04443	-0.04443	0	0.0003541	0.0003541	0
$b\bar{t} \to e^- \bar{\nu}_e$	$2.973 \cdot 10^{-6}$	$2.973 \cdot 10^{-6}$	0	$2.566 \cdot 10^{-10}$	$2.566 \cdot 10^{-10}$	0
$c\bar{c} \to \mu^+ \mu^-$	$5.386 \cdot 10^{-12}$	$5.386 \cdot 10^{-12}$	0	$1.74 \cdot 10^{-13}$	$1.74 \cdot 10^{-13}$	0
$c\bar{s} \to \tau^+ \nu_\tau$	$1.178 \cdot 10^{-6}$	$1.178 \cdot 10^{-6}$	0	$1.019 \cdot 10^{-10}$	$1.019 \cdot 10^{-10}$	0
$d\bar{d} \to c\bar{c}$	$-1.524 \cdot 10^{-11}$	$-1.524 \cdot 10^{-11}$	0	$6.123 \cdot 10^{-13}$	$6.123 \cdot 10^{-13}$	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	$-5.044 \cdot 10^{-6}$	$-5.044 \cdot 10^{-6}$	0	$2.062 \cdot 10^{-7}$	$2.062 \cdot 10^{-7}$	0
$e^+ \nu_e \to \mu^+ \nu_\mu$	$9.684 \cdot 10^{-7}$	$9.684 \cdot 10^{-7}$	0	$8.356 \cdot 10^{-11}$	$8.356 \cdot 10^{-11}$	0
$e^+ \nu_e \to e^+ \nu_e$	$2.18 \cdot 10^{-5}$	$2.18 \cdot 10^{-5}$	0	$1.402 \cdot 10^{-9}$	$1.402 \cdot 10^{-9}$	0

$e^+\tau^- \to e^+\tau^-$	$1.911 \cdot 10^{-10}$	$1.911 \cdot 10^{-10}$	0	$1.757 \cdot 10^{-12}$	$1.757 \cdot 10^{-12}$	0
$e^+e^- \to \mu^+\mu^-$	$1.115 \cdot 10^{-11}$	$1.115 \cdot 10^{-11}$	0	$4.366 \cdot 10^{-13}$	$4.366 \cdot 10^{-13}$	0
$e^+e^- \to e^+e^-$	$2.256 \cdot 10^{-9}$	$2.256 \cdot 10^{-9}$	0	$3.451 \cdot 10^{-11}$	$3.451 \cdot 10^{-11}$	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$-2.194 \cdot 10^{-11}$	$-2.194 \cdot 10^{-11}$	0	$8.967 \cdot 10^{-13}$	$8.967 \cdot 10^{-13}$	0
$s\bar{s} \to s\bar{s}$	$1.805 \cdot 10^{-9}$	$1.805 \cdot 10^{-9}$	0	$1.267 \cdot 10^{-11}$	$1.267 \cdot 10^{-11}$	0
$t\bar{t} \to t\bar{t}$	$6.181 \cdot 10^{-9}$	$6.181 \cdot 10^{-9}$	0	$3.988 \cdot 10^{-10}$	$3.988 \cdot 10^{-10}$	0
$tg \to bW^+$	$1.946 \cdot 10^{-8}$	$1.946 \cdot 10^{-8}$	0	$5.438 \cdot 10^{-10}$	$5.438 \cdot 10^{-10}$	0
$u\bar{d} \to c\bar{s}$	$1.33 \cdot 10^{-7}$	$1.33 \cdot 10^{-7}$	0	$1.148 \cdot 10^{-11}$	$1.148 \cdot 10^{-11}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$-1.546 \cdot 10^{-11}$	$-1.546 \cdot 10^{-11}$	0	$6.318 \cdot 10^{-13}$	$6.318 \cdot 10^{-13}$	0
$u\bar{u} \to u\bar{u}$	$2.185 \cdot 10^{-7}$	$2.185 \cdot 10^{-7}$	0	$1.036 \cdot 10^{-8}$	$1.036 \cdot 10^{-8}$	0
$zz \to W^+W^-$	3.753	3.753	0	0.1158	0.1158	0

2.36 clq1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1

	interference			square		
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.37 clq3

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1

	interference			square		
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.38   clu

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

$HH \rightarrow z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \rightarrow zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \rightarrow zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \rightarrow zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \rightarrow \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \rightarrow \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \rightarrow \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \rightarrow s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \rightarrow t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \rightarrow Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \rightarrow Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \rightarrow Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \rightarrow W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \rightarrow \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \rightarrow b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \rightarrow t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \rightarrow \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \rightarrow c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \rightarrow e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \rightarrow e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \rightarrow \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \rightarrow e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \rightarrow s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \rightarrow t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \rightarrow bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1

	interference			square		
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.39   cqd1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.40 cqd8

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+ \mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+ \nu_\mu \to e^+ \nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+ \nu_e \to e^+ \nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+ \tau^- \to e^+ \tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+ e^- \to \mu^+ \mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+ e^- \to e^+ e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.41   cqe

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+ \mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.42   cqq1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1

$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1

| $u\bar{u} \to u\bar{u}$ | $-5.937 \cdot 10^{-22}$ | 0 | 1 | $7.647 \cdot 10^{-38}$ | 0 | 1 |

2.43 cqq11

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1

	interference			square		
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.44 cqq3

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1

	interference			square		
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.45   cqq31

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1

	interference			square		
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.46 cqu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1

$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.47 cqu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.48 cquqd11Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+ \mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+ \mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1

	interference mod1	mod2	$1 - \text{mod2}/\text{mod1}$	square mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.49 cquqd1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1

	interference mod1	mod2	$1 - \text{mod2/mod1}$	square mod1	mod2	$1 - \text{mod2/mod1}$
$W^+W^- \to H d\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.50 cquqd81Re

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1

$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.51 cquqd8Re

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1

	interference			square		
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.52   cuBRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.53 cuGRe

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1

	interference			square		
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.54   cuHRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	$-2.283 \cdot 10^{-15}$	$-2.283 \cdot 10^{-15}$	0	$5.238 \cdot 10^{-19}$	$5.238 \cdot 10^{-19}$	0
$HH \to H\tau^+\tau^-$	$-7.029 \cdot 10^{-22}$	$-7.029 \cdot 10^{-22}$	0	$1.496 \cdot 10^{-24}$	$1.496 \cdot 10^{-24}$	0
$HH \to Hb\bar{b}$	$-2.185 \cdot 10^{-23}$	$-2.185 \cdot 10^{-23}$	0	$9.34 \cdot 10^{-26}$	$9.34 \cdot 10^{-26}$	0
$HH \to W^+W^-$	$-1.85 \cdot 10^{-11}$	$-1.85 \cdot 10^{-11}$	0	$1.974 \cdot 10^{-18}$	$1.974 \cdot 10^{-18}$	0
$HH \to W^+W^-\gamma$	$-7.355 \cdot 10^{-17}$	$-7.355 \cdot 10^{-17}$	0	$4.389 \cdot 10^{-24}$	$4.389 \cdot 10^{-24}$	0
$HH \to W^+e^-\bar{\nu}_e$	$6.621 \cdot 10^{-18}$	$6.621 \cdot 10^{-18}$	0	$3.365 \cdot 10^{-26}$	$3.365 \cdot 10^{-26}$	0
$HH \to W^-u\bar{d}$	$3.314 \cdot 10^{-18}$	$3.314 \cdot 10^{-18}$	0	$1.427 \cdot 10^{-27}$	$1.427 \cdot 10^{-27}$	0

Reaction	Col1	Col2	Col3	Col4	Col5	Col6
$HH \to z\bar{b}b$	$4.786 \cdot 10^{-18}$	$4.786 \cdot 10^{-18}$	0	$1.497 \cdot 10^{-26}$	$1.497 \cdot 10^{-26}$	0
$HH \to zc\bar{c}$	$2.949 \cdot 10^{-18}$	$2.949 \cdot 10^{-18}$	0	$4.696 \cdot 10^{-25}$	$4.696 \cdot 10^{-25}$	0
$HH \to zt\bar{t}$	$6.567 \cdot 10^{-16}$	$6.567 \cdot 10^{-16}$	0	$1.466 \cdot 10^{-24}$	$1.466 \cdot 10^{-24}$	0
$HH \to zz$	$-1.233 \cdot 10^{-11}$	$-1.233 \cdot 10^{-11}$	0	$9.797 \cdot 10^{-19}$	$9.797 \cdot 10^{-19}$	0
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$6.657 \cdot 10^{-17}$	$6.657 \cdot 10^{-17}$	$2.403 \cdot 10^{-7}$	$3.729 \cdot 10^{-24}$	$3.729 \cdot 10^{-24}$	0
$W^+W^- \to Hc\bar{c}$	$-1.153 \cdot 10^{-19}$	$-1.153 \cdot 10^{-19}$	$1.214 \cdot 10^{-6}$	$5.232 \cdot 10^{-26}$	$5.232 \cdot 10^{-26}$	0
$W^+W^- \to Hd\bar{d}$	$-8.199 \cdot 10^{-23}$	$-8.11 \cdot 10^{-23}$	0.01088	$8.55 \cdot 10^{-29}$	$8.55 \cdot 10^{-29}$	0
$W^+W^- \to W^+W^-$	$-5.097 \cdot 10^{-10}$	$-5.097 \cdot 10^{-10}$	0	$3.833 \cdot 10^{-16}$	$3.833 \cdot 10^{-16}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$5.032 \cdot 10^{-26}$	$3.393 \cdot 10^{-26}$	0.3258	$5.973 \cdot 10^{-29}$	$5.973 \cdot 10^{-29}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$1.842 \cdot 10^{-18}$	$1.842 \cdot 10^{-18}$	$-2.171 \cdot 10^{-7}$	$5.495 \cdot 10^{-25}$	$5.495 \cdot 10^{-25}$	0
$b\bar{b} \to t\bar{t}$	$-3.742 \cdot 10^{-15}$	$-3.742 \cdot 10^{-15}$	$-2.405 \cdot 10^{-7}$	$4.219 \cdot 10^{-22}$	$4.219 \cdot 10^{-22}$	0
$c\bar{c} \to \mu^+\mu^-$	$6.511 \cdot 10^{-26}$	$3.271 \cdot 10^{-27}$	0.9498	$5.514 \cdot 10^{-30}$	$5.514 \cdot 10^{-30}$	0
$d\bar{d} \to c\bar{c}$	$8.182 \cdot 10^{-26}$	$2.167 \cdot 10^{-29}$	0.9997	$3.231 \cdot 10^{-32}$	$3.231 \cdot 10^{-32}$	0
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	$4.886 \cdot 10^{-31}$	1	$8.185 \cdot 10^{-34}$	$8.185 \cdot 10^{-34}$	$1.222 \cdot 10^{-8}$
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	$1.574 \cdot 10^{-33}$	1	$2.678 \cdot 10^{-36}$	$2.678 \cdot 10^{-36}$	$2.128 \cdot 10^{-6}$
$e^+e^- \to e^+e^-$	$-1.5 \cdot 10^{-24}$	$4.427 \cdot 10^{-25}$	1.295	$7.329 \cdot 10^{-41}$	$1.135 \cdot 10^{-40}$	-0.5492
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$8.07 \cdot 10^{-22}$	$8.071 \cdot 10^{-22}$	-0.0001202	$1.204 \cdot 10^{-31}$	$1.204 \cdot 10^{-31}$	$-2.825 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	$-2.745 \cdot 10^{-14}$	$-2.745 \cdot 10^{-14}$	0	$7.436 \cdot 10^{-19}$	$7.436 \cdot 10^{-19}$	0
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1

	interference			square		
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$2.239 \cdot 10^{-25}$	$1.285 \cdot 10^{-24}$	-4.738	$4.458 \cdot 10^{-38}$	$4.496 \cdot 10^{-38}$	-0.008423
$zz \to W^+W^-$	$-5.01 \cdot 10^{-9}$	$-5.01 \cdot 10^{-9}$	0	$9.958 \cdot 10^{-17}$	$9.958 \cdot 10^{-17}$	0

2.55   cuWRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$1.495 \cdot 10^{-9}$	$1.495 \cdot 10^{-9}$	0	$9.093 \cdot 10^{-12}$	$9.093 \cdot 10^{-12}$	0
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.289 \cdot 10^{-12}$	$7.289 \cdot 10^{-12}$	0	$3.781 \cdot 10^{-14}$	$3.781 \cdot 10^{-14}$	0
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.989 \cdot 10^{-6}$	$-1.989 \cdot 10^{-6}$	0	$1.545 \cdot 10^{-7}$	$1.545 \cdot 10^{-7}$	0
$W^+W^- \to Hb\bar{b}$	$2.076 \cdot 10^{-8}$	$2.076 \cdot 10^{-8}$	0	$1.259 \cdot 10^{-10}$	$1.259 \cdot 10^{-10}$	0
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-2.931 \cdot 10^{-8}$	$-2.931 \cdot 10^{-8}$	0	$2.581 \cdot 10^{-9}$	$2.581 \cdot 10^{-9}$	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.56 cud1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1

	interference			square		
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.57 cud8

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$4.173 \cdot 10^{-27}$	0	1	$2.429 \cdot 10^{-43}$	0	1
$HH \to zc\bar{c}$	$-2.092 \cdot 10^{-27}$	0	1	$3.417 \cdot 10^{-44}$	0	1
$HH \to zt\bar{t}$	$-1.183 \cdot 10^{-24}$	0	1	$1.718 \cdot 10^{-40}$	0	1
$HH \to zz$	$-1.623 \cdot 10^{-20}$	0	1	$2.229 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$7.116 \cdot 10^{-26}$	0	1	$2.873 \cdot 10^{-43}$	0	1
$Hz \to \mu^+\mu^-$	$5.756 \cdot 10^{-26}$	0	1	$6.401 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.458 \cdot 10^{-25}$	0	1	$1.618 \cdot 10^{-41}$	0	1

	interference			square		
$Hz \to s\bar{s}$	$3.399 \cdot 10^{-25}$	0	1	$3.776 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-1.626 \cdot 10^{-21}$	0	1	$1.251 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.448 \cdot 10^{-25}$	0	1	$1.273 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-2.057 \cdot 10^{-25}$	0	1	$5.049 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$5.118 \cdot 10^{-26}$	0	1	$4.216 \cdot 10^{-42}$	0	1
$W^+W^- \to W^+W^-$	$-3.007 \cdot 10^{-17}$	0	1	$3.284 \cdot 10^{-33}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$1.87 \cdot 10^{-25}$	0	1	$2.077 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$2.573 \cdot 10^{-26}$	0	1	$1.735 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$4.542 \cdot 10^{-26}$	0	1	$5.043 \cdot 10^{-42}$	0	1
$b\bar{b} \to b\bar{b}$	$-8.313 \cdot 10^{-24}$	0	1	$1.729 \cdot 10^{-40}$	0	1
$b\bar{b} \to t\bar{t}$	$1.139 \cdot 10^{-23}$	0	1	$1.312 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$-1.463 \cdot 10^{-26}$	0	1	$1.284 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$4.141 \cdot 10^{-26}$	0	1	$4.518 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$1.37 \cdot 10^{-20}$	0	1	$1.521 \cdot 10^{-36}$	0	1
$e^+\nu_e \to e^+\nu_e$	$8.161 \cdot 10^{-23}$	0	1	$5.459 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-5.19 \cdot 10^{-25}$	0	1	$1.296 \cdot 10^{-41}$	0	1
$e^+e^- \to \mu^+\mu^-$	$-3.029 \cdot 10^{-26}$	0	1	$3.222 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-6.129 \cdot 10^{-24}$	0	1	$2.546 \cdot 10^{-40}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$5.959 \cdot 10^{-26}$	0	1	$6.616 \cdot 10^{-42}$	0	1
$s\bar{s} \to s\bar{s}$	$-4.904 \cdot 10^{-24}$	0	1	$9.348 \cdot 10^{-41}$	0	1
$t\bar{t} \to t\bar{t}$	$-1.679 \cdot 10^{-23}$	0	1	$2.942 \cdot 10^{-39}$	0	1
$tg \to bW^+$	$-3.992 \cdot 10^{-23}$	0	1	$2.288 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e\bar{\nu}_e$	$4.199 \cdot 10^{-26}$	0	1	$4.662 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-5.937 \cdot 10^{-22}$	0	1	$7.647 \cdot 10^{-38}$	0	1

2.58 cuu

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

$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau\bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1

	interference			square		
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.59   cuu1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$-3.256 \cdot 10^{-29}$	0	1	$8.637 \cdot 10^{-44}$	0	1
$HH \to zc\bar{c}$	$-5.493 \cdot 10^{-28}$	0	1	$8.929 \cdot 10^{-43}$	0	1
$HH \to zt\bar{t}$	$4.355 \cdot 10^{-24}$	0	1	$5.567 \cdot 10^{-41}$	0	1
$HH \to zz$	$-1.538 \cdot 10^{-20}$	0	1	$1.964 \cdot 10^{-36}$	0	1
$HW^+ \to \gamma t\bar{b}$	$4.895 \cdot 10^{-27}$	0	1	$1.705 \cdot 10^{-44}$	0	1
$Hz \to \mu^+\mu^-$	$6.583 \cdot 10^{-26}$	0	1	$7.32 \cdot 10^{-42}$	0	1
$Hz \to \nu_\tau \bar{\nu}_\tau$	$1.135 \cdot 10^{-25}$	0	1	$1.26 \cdot 10^{-41}$	0	1
$Hz \to s\bar{s}$	$3.119 \cdot 10^{-25}$	0	1	$3.466 \cdot 10^{-41}$	0	1
$Hz \to t\bar{t}$	$-2.289 \cdot 10^{-21}$	0	1	$1.846 \cdot 10^{-37}$	0	1
$W^+W^- \to Hb\bar{b}$	$1.525 \cdot 10^{-23}$	0	1	$1.145 \cdot 10^{-40}$	0	1
$W^+W^- \to Hc\bar{c}$	$-1.465 \cdot 10^{-25}$	0	1	$2.103 \cdot 10^{-41}$	0	1
$W^+W^- \to Hd\bar{d}$	$-8.92 \cdot 10^{-25}$	0	1	$3.247 \cdot 10^{-40}$	0	1
$W^+W^- \to W^+W^-$	$-5.322 \cdot 10^{-19}$	0	1	$7.661 \cdot 10^{-35}$	0	1
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	$2.159 \cdot 10^{-25}$	0	1	$2.398 \cdot 10^{-41}$	0	1
$b\bar{b} \to \mu^+\mu^-$	$1.639 \cdot 10^{-26}$	0	1	$1.552 \cdot 10^{-42}$	0	1
$b\bar{b} \to \nu_e \bar{\nu}_e$	$7.959 \cdot 10^{-27}$	0	1	$8.837 \cdot 10^{-43}$	0	1
$b\bar{b} \to b\bar{b}$	$-3.956 \cdot 10^{-25}$	0	1	$9.016 \cdot 10^{-42}$	0	1
$b\bar{b} \to t\bar{t}$	$9.089 \cdot 10^{-22}$	0	1	$1.568 \cdot 10^{-41}$	0	1
$c\bar{c} \to \mu^+\mu^-$	$6.184 \cdot 10^{-26}$	0	1	$1.788 \cdot 10^{-42}$	0	1
$d\bar{d} \to c\bar{c}$	$8.18 \cdot 10^{-26}$	0	1	$6.588 \cdot 10^{-42}$	0	1
$e^+\nu_\mu \to e^+\nu_\mu$	$4.345 \cdot 10^{-23}$	0	1	$4.824 \cdot 10^{-39}$	0	1
$e^+\nu_e \to e^+\nu_e$	$5.578 \cdot 10^{-23}$	0	1	$3.632 \cdot 10^{-39}$	0	1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$e^+\tau^- \to e^+\tau^-$	$-3.722 \cdot 10^{-25}$	0	1	$8.809 \cdot 10^{-42}$	0	1
$e^+e^- \to \mu^+\mu^-$	$3.378 \cdot 10^{-25}$	0	1	$5.743 \cdot 10^{-42}$	0	1
$e^+e^- \to e^+e^-$	$-1.943 \cdot 10^{-24}$	0	1	$5.878 \cdot 10^{-41}$	0	1
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	$9.562 \cdot 10^{-26}$	0	1	$1.062 \cdot 10^{-41}$	0	1
$s\bar{s} \to s\bar{s}$	$-9.7 \cdot 10^{-26}$	0	1	$4.868 \cdot 10^{-42}$	0	1
$t\bar{t} \to t\bar{t}$	$-7.142 \cdot 10^{-24}$	0	1	$5.341 \cdot 10^{-40}$	0	1
$tg \to bW^+$	$-1.968 \cdot 10^{-23}$	0	1	$1.164 \cdot 10^{-39}$	0	1
$u\bar{u} \to \nu_e \bar{\nu}_e$	$1.898 \cdot 10^{-26}$	0	1	$2.107 \cdot 10^{-42}$	0	1
$u\bar{u} \to u\bar{u}$	$-1.061 \cdot 10^{-24}$	0	1	$2.381 \cdot 10^{-41}$	0	1

2.60 sm

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to HH$	0	0	0	0.1988	0.1988	0
$HH \to H\tau^+\tau^-$	0	0	0	$1.471 \cdot 10^{-11}$	$1.471 \cdot 10^{-11}$	0
$HH \to Hb\bar{b}$	0	0	0	$1.547 \cdot 10^{-9}$	$1.547 \cdot 10^{-9}$	0
$HH \to W^+W^-$	0	0	0	0.4532	0.4532	0
$HH \to W^+W^-\gamma$	0	0	0	$5.962 \cdot 10^{-6}$	$5.962 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$1.088 \cdot 10^{-7}$	$1.088 \cdot 10^{-7}$	0
$HH \to W^-u\bar{d}$	0	0	0	$5.169 \cdot 10^{-7}$	$5.169 \cdot 10^{-7}$	0
$HH \to z\bar{b}b$	0	0	0	$1.547 \cdot 10^{-7}$	$1.547 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	0	0	0	$3.434 \cdot 10^{-7}$	$3.434 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	0	0	0	$2.832 \cdot 10^{-5}$	$2.832 \cdot 10^{-5}$	0
$HH \to zz$	0	0	0	0.3519	0.3519	0
$HW^+ \to \gamma t\bar{b}$	0	0	0	$1.465 \cdot 10^{-7}$	$1.465 \cdot 10^{-7}$	0
$HW^+ \to \gamma u\bar{d}$	0	0	0	$1.35 \cdot 10^{-8}$	$1.35 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	0	0	0	0.02242	0.02242	0
$HW^- \to \gamma e^-\bar{\nu}_e$	0	0	0	$7.491 \cdot 10^{-8}$	$7.491 \cdot 10^{-8}$	0

$HW^- \to \mu^- \bar{\nu}_\mu$	0	0	0	0.007567	0.007567	0
$Hz \to \mu^+ \mu^-$	0	0	0	0.002818	0.002818	0
$Hz \to \nu_\tau \bar{\nu}_\tau$	0	0	0	0.004855	0.004855	0
$Hz \to s\bar{s}$	0	0	0	0.01335	0.01335	0
$Hz \to t\bar{t}$	0	0	0	2.872	2.872	0
$W^+W^- \to Hb\bar{b}$	0	0	0	$9.096 \cdot 10^{-5}$	$9.096 \cdot 10^{-5}$	0
$W^+W^- \to Hc\bar{c}$	0	0	0	$5.211 \cdot 10^{-7}$	$5.211 \cdot 10^{-7}$	0
$W^+W^- \to Hd\bar{d}$	0	0	0	$9.587 \cdot 10^{-6}$	$9.587 \cdot 10^{-6}$	0
$W^+W^- \to W^+W^-$	0	0	0	7.986	7.986	0
$W^+W^- \to \gamma\gamma$	0	0	0	1.868	1.868	0
$W^+W^- \to \gamma\gamma\gamma$	0	0	0	$1.187 \cdot 10^{-6}$	$1.187 \cdot 10^{-6}$	0
$\bar{b}t \to \bar{d}u$	0	0	0	0.02168	0.02168	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	0	0	0	0.009237	0.009237	0
$b\bar{b} \to \mu^+ \mu^-$	0	0	0	0.001059	0.001059	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	0	0	0	0.0003405	0.0003405	0
$b\bar{b} \to b\bar{b}$	0	0	0	2.252	2.252	0
$b\bar{b} \to t\bar{t}$	0	0	0	420.9	420.9	0
$b\bar{t} \to e^- \bar{\nu}_e$	0	0	0	0.00915	0.00915	0
$c\bar{c} \to \mu^+ \mu^-$	0	0	0	0.004643	0.004643	0
$c\bar{s} \to \tau^+ \nu_\tau$	0	0	0	0.002839	0.002839	0
$d\bar{d} \to c\bar{c}$	0	0	0	0.5083	0.5083	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	0	0	0	0.1166	0.1166	0
$e^+ \nu_e \to \mu^+ \nu_\mu$	0	0	0	0.03131	0.03131	0
$e^+ \nu_e \to e^+ \nu_e$	0	0	0	0.1892	0.1892	0
$e^+ \tau^- \to e^+ \tau^-$	0	0	0	0.01065	0.01065	0
$e^+ e^- \to \mu^+ \mu^-$	0	0	0	0.03185	0.03185	0
$e^+ e^- \to e^+ e^-$	0	0	0	0.02839	0.02839	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0	0	0	0.00409	0.00409	0
$s\bar{s} \to s\bar{s}$	0	0	0	2.033	2.033	0

$t\bar{t} \to t\bar{t}$	0	0	0	1.624	1.624	0
$tg \to bW^+$	0	0	0	0.1537	0.1537	0
$u\bar{d} \to c\bar{s}$	0	0	0	0.0001904	0.0001904	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0	0	0	0.000812	0.000812	0
$u\bar{u} \to u\bar{u}$	0	0	0	2.664	2.664	0
$zz \to W^+W^-$	0	0	0	32.49	32.49	0