1 By process

1.1 $HH \rightarrow HH$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.1534	0.1534	0

1.2 $HH \rightarrow HHH$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$4.842 \cdot 10^{-8}$	$4.842 \cdot 10^{-8}$	0

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

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$4.942 \cdot 10^{-11}$	$4.942 \cdot 10^{-11}$	0

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

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$5.049 \cdot 10^{-9}$	$5.049 \cdot 10^{-9}$	0

1.5 $HH \rightarrow H t\bar{t}$

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	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctp	$2.303 \cdot 10^{-5}$	$2.303 \cdot 10^{-5}$	0	$1.048 \cdot 10^{-5}$	$1.048 \cdot 10^{-5}$	0
ctpI	$-1.806 \cdot 10^{-5}$	$-1.806 \cdot 10^{-5}$	0	$2.812 \cdot 10^{-5}$	$2.812 \cdot 10^{-5}$	0
sm	0	0	0	$2.709 \cdot 10^{-5}$	$2.709 \cdot 10^{-5}$	0

1.6 $HH \to Hzz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.871 \cdot 10^{-5}$	$1.871 \cdot 10^{-5}$	0

1.7 $HH \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.1397	0.1397	$7.16 \cdot 10^{-8}$

1.8 $HH \to W^+W^-\gamma$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.912 \cdot 10^{-6}$	$3.912 \cdot 10^{-6}$	$2.556 \cdot 10^{-8}$

1.9 $HH \to W^+\bar{t}b$

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

	interference			square		
cbW	$6.091 \cdot 10^{-7}$	$6.091 \cdot 10^{-7}$	$1.642 \cdot 10^{-8}$	$1.68 \cdot 10^{-5}$	$1.68 \cdot 10^{-5}$	0
cbWI	$-4.196 \cdot 10^{-8}$	$-4.196 \cdot 10^{-8}$	$-2.383 \cdot 10^{-8}$	$1.843 \cdot 10^{-5}$	$1.843 \cdot 10^{-5}$	0
cpQ3	$-8.588 \cdot 10^{-6}$	$-8.588 \cdot 10^{-6}$	$1.164 \cdot 10^{-8}$	$3.985 \cdot 10^{-5}$	$3.985 \cdot 10^{-5}$	0
cptb	$-5.803 \cdot 10^{-7}$	$-5.803 \cdot 10^{-7}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0
cptbI	$-1.402 \cdot 10^{-8}$	$-1.402 \cdot 10^{-8}$	0	$9.963 \cdot 10^{-6}$	$9.963 \cdot 10^{-6}$	0
ctW	$-3.73 \cdot 10^{-6}$	$-3.73 \cdot 10^{-6}$	0	$1.84 \cdot 10^{-5}$	$1.84 \cdot 10^{-5}$	0
ctWI	$5.955 \cdot 10^{-8}$	$5.955 \cdot 10^{-8}$	$-6.717 \cdot 10^{-8}$	$1.681 \cdot 10^{-5}$	$1.681 \cdot 10^{-5}$	0
ctp	$4.649 \cdot 10^{-7}$	$4.649 \cdot 10^{-7}$	0	$1.661 \cdot 10^{-6}$	$1.661 \cdot 10^{-6}$	0
ctpI	$4.257 \cdot 10^{-7}$	$4.257 \cdot 10^{-7}$	$-2.349 \cdot 10^{-8}$	$3.599 \cdot 10^{-6}$	$3.599 \cdot 10^{-6}$	0
sm	0	0	0	$2.99 \cdot 10^{-6}$	$2.99 \cdot 10^{-6}$	0

1.10 $HH \to W^+ e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$9.541 \cdot 10^{-7}$	$9.541 \cdot 10^{-7}$	$4.192 \cdot 10^{-8}$

1.11 $HH \to W^- u\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.074 \cdot 10^{-6}$	$1.074 \cdot 10^{-6}$	$9.308 \cdot 10^{-8}$

1.12 $HH \to z\bar{b}b$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-4.144 \cdot 10^{-7}$	$-4.144 \cdot 10^{-7}$	$2.413 \cdot 10^{-8}$	$1.61 \cdot 10^{-5}$	$1.61 \cdot 10^{-5}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cbWI	$3.807 \cdot 10^{-6}$	$3.807 \cdot 10^{-6}$	$2.627 \cdot 10^{-8}$	$3.509 \cdot 10^{-6}$	$3.509 \cdot 10^{-6}$	$2.85 \cdot 10^{-8}$
cpQ3	$2.901 \cdot 10^{-5}$	$2.901 \cdot 10^{-5}$	0	$7.711 \cdot 10^{-5}$	$7.711 \cdot 10^{-5}$	0
cpQM	$1.451 \cdot 10^{-5}$	$1.451 \cdot 10^{-5}$	0	$1.928 \cdot 10^{-5}$	$1.928 \cdot 10^{-5}$	0
cpb	$-3.725 \cdot 10^{-7}$	$-3.725 \cdot 10^{-7}$	$-1.611 \cdot 10^{-7}$	$9.081 \cdot 10^{-6}$	$9.081 \cdot 10^{-6}$	0
sm	0	0	0	$1.653 \cdot 10^{-5}$	$1.653 \cdot 10^{-5}$	$6.051 \cdot 10^{-8}$

1.13 $HH \to z\nu_e\bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0	$8.054 \cdot 10^{-8}$	$8.054 \cdot 10^{-8}$	0

1.14 $HH \to zc\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0	$1.317 \cdot 10^{-7}$	$1.317 \cdot 10^{-7}$	0

1.15 $HH \to zd\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0	$2.723 \cdot 10^{-5}$	$2.723 \cdot 10^{-5}$	$3.673 \cdot 10^{-8}$

1.16 $HH \to ze^+e^-$

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

sm	0	0	0	$1.801 \cdot 10^{-7}$	$1.801 \cdot 10^{-7}$	0

1.17 $HH \to zt\bar{t}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cpQM	$2.384 \cdot 10^{-5}$	$2.384 \cdot 10^{-5}$	0	$5.495 \cdot 10^{-5}$	$5.495 \cdot 10^{-5}$	0
cpt	$-2.149 \cdot 10^{-5}$	$-2.149 \cdot 10^{-5}$	0	$5.497 \cdot 10^{-5}$	$5.497 \cdot 10^{-5}$	0
ctW	$-7.554 \cdot 10^{-14}$	0	1	$2.99 \cdot 10^{-17}$	0	1
ctWI	$9.797 \cdot 10^{-13}$	0	1	$3.326 \cdot 10^{-17}$	0	1
ctZ	$4.008 \cdot 10^{-6}$	$4.008 \cdot 10^{-6}$	$6.238 \cdot 10^{-7}$	$8.247 \cdot 10^{-5}$	$8.247 \cdot 10^{-5}$	$1.067 \cdot 10^{-6}$
ctZI	$-1.506 \cdot 10^{-6}$	$-1.506 \cdot 10^{-6}$	$6.642 \cdot 10^{-7}$	$7.856 \cdot 10^{-5}$	$7.856 \cdot 10^{-5}$	$1.069 \cdot 10^{-6}$
ctp	$-2.386 \cdot 10^{-6}$	$-2.386 \cdot 10^{-6}$	0	$4.432 \cdot 10^{-6}$	$4.432 \cdot 10^{-6}$	0
ctpI	$1.808 \cdot 10^{-7}$	$1.808 \cdot 10^{-7}$	0	$3.373 \cdot 10^{-6}$	$3.373 \cdot 10^{-6}$	0
sm	0	0	0	$2.299 \cdot 10^{-5}$	$2.299 \cdot 10^{-5}$	0

1.18 $HH \to zz$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	0.07616	0.07616	0

1.19 $HW^+ \to \gamma t\bar{b}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cbW	$5.904 \cdot 10^{-7}$	$5.904 \cdot 10^{-7}$	$-3.387 \cdot 10^{-8}$	$1.749 \cdot 10^{-5}$	$1.749 \cdot 10^{-5}$	$-5.717 \cdot 10^{-8}$
cbWI	$-1.428 \cdot 10^{-8}$	$-1.428 \cdot 10^{-8}$	0	$8.729 \cdot 10^{-6}$	$8.729 \cdot 10^{-6}$	$-3.437 \cdot 10^{-8}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cpQ3	$-1.495 \cdot 10^{-5}$	$-1.495 \cdot 10^{-5}$	0	$5.579 \cdot 10^{-6}$	$5.579 \cdot 10^{-6}$	$-3.585 \cdot 10^{-8}$
cptb	$-2.278 \cdot 10^{-7}$	$-2.278 \cdot 10^{-7}$	$-4.389 \cdot 10^{-8}$	$1.255 \cdot 10^{-6}$	$1.255 \cdot 10^{-6}$	0
cptbI	$-5.567 \cdot 10^{-9}$	$-5.567 \cdot 10^{-9}$	$-1.796 \cdot 10^{-8}$	$1.394 \cdot 10^{-6}$	$1.394 \cdot 10^{-6}$	0
ctW	$-1.604 \cdot 10^{-6}$	$-1.604 \cdot 10^{-6}$	$3.117 \cdot 10^{-7}$	$1.239 \cdot 10^{-5}$	$1.239 \cdot 10^{-5}$	$6.457 \cdot 10^{-7}$
ctWI	$6.698 \cdot 10^{-6}$	$6.698 \cdot 10^{-6}$	$-7.763 \cdot 10^{-7}$	$2.014 \cdot 10^{-5}$	$2.014 \cdot 10^{-5}$	$2.979 \cdot 10^{-7}$
ctZ	$1.245 \cdot 10^{-5}$	$1.245 \cdot 10^{-5}$	$5.623 \cdot 10^{-7}$	$7.377 \cdot 10^{-6}$	$7.377 \cdot 10^{-6}$	$1.139 \cdot 10^{-6}$
ctZI	$7.093 \cdot 10^{-6}$	$7.093 \cdot 10^{-6}$	$5.498 \cdot 10^{-7}$	$7.377 \cdot 10^{-6}$	$7.377 \cdot 10^{-6}$	$1.139 \cdot 10^{-6}$
ctp	$1.41 \cdot 10^{-6}$	$1.41 \cdot 10^{-6}$	0	$3.177 \cdot 10^{-7}$	$3.177 \cdot 10^{-7}$	$-3.147 \cdot 10^{-8}$
ctpI	$1.851 \cdot 10^{-6}$	$1.851 \cdot 10^{-6}$	0	$3.622 \cdot 10^{-7}$	$3.622 \cdot 10^{-7}$	$-5.522 \cdot 10^{-8}$
sm	0	0	0	$4.043 \cdot 10^{-6}$	$4.043 \cdot 10^{-6}$	$-2.473 \cdot 10^{-8}$

1.20 $HW^+ \rightarrow \gamma u \bar{d}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	$3.318 \cdot 10^{-8}$	$3.318 \cdot 10^{-8}$	0

1.21 $HW^+ \rightarrow u \bar{d}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.01741	0.01741	$5.745 \cdot 10^{-8}$

1.22 $HW^- \rightarrow \bar{t}b$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cbW	0.007907	0.007907	$1.265 \cdot 10^{-8}$	2.073	2.073	0
cbWI	$2.672 \cdot 10^{-7}$	$2.672 \cdot 10^{-7}$	$3.742 \cdot 10^{-8}$	2.277	2.277	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cpQ3	-0.8737	-0.8737	0	1.632	1.632	0
cptb	-0.05344	-0.05344	0	0.4858	0.4858	0
cptbI	$-8.796 \cdot 10^{-6}$	$-8.796 \cdot 10^{-6}$	$1.137 \cdot 10^{-8}$	0.408	0.408	0
ctW	-0.2654	-0.2654	0	2.277	2.277	0
ctWI	0.0002136	0.0002136	$4.683 \cdot 10^{-8}$	2.073	2.073	0
ctp	0.09425	0.09425	0	0.05191	0.05191	0
ctpI	-0.0009712	-0.0009712	$1.03 \cdot 10^{-8}$	0.05847	0.05847	0
sm	0	0	0	0.429	0.429	0

1.23 $HW^- \to \gamma e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	$3.309 \cdot 10^{-6}$	$3.309 \cdot 10^{-6}$	$3.022 \cdot 10^{-8}$

1.24 $HW^- \to \mu^- \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.00637	0.00637	$3.14 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cbW	$-2.598 \cdot 10^{-5}$	$-2.598 \cdot 10^{-5}$	$-3.849 \cdot 10^{-8}$	0.03903	0.03903	$-5.125 \cdot 10^{-8}$
cbWI	$1.954 \cdot 10^{-22}$	$1.292 \cdot 10^{-22}$	0.3387	0.6327	0.6327	$-4.742 \cdot 10^{-8}$
sm	0	0	0	0.0001058	0.0001058	$-9.452 \cdot 10^{-8}$

1.26 $H\gamma \to t\bar{t}$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
ctW	-0.6798	-0.6798	$5.737 \cdot 10^{-7}$		14.1	14.1	$1.205 \cdot 10^{-6}$
ctWI	$1.469 \cdot 10^{-16}$	$1.301 \cdot 10^{-16}$	0.1144		11.34	11.34	$1.235 \cdot 10^{-6}$
ctZ	0.7729	0.7729	$5.563 \cdot 10^{-7}$		8.69	8.69	$1.128 \cdot 10^{-6}$
ctZI	$-1.648 \cdot 10^{-17}$	$4.716 \cdot 10^{-18}$	1.286		8.69	8.69	$1.128 \cdot 10^{-6}$
ctp	-0.07337	-0.07337	$-2.726 \cdot 10^{-8}$		0.002251	0.002251	$-4.442 \cdot 10^{-8}$
ctpI	$-1.064 \cdot 10^{-18}$	$3.594 \cdot 10^{-19}$	1.338		0.0028	0.0028	$-3.571 \cdot 10^{-8}$
sm	0	0	0		0.4547	0.4547	$-4.399 \cdot 10^{-8}$

1.27 $Hz \to \mu^+\mu^-$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0		0.002501	0.002501	0

1.28 $Hz \to \nu_\tau \bar{\nu}_\tau$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0		0.005481	0.005481	0

1.29 $Hz \to b\bar{b}$

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

	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
cbW	0.001428	0.001428	$7.005 \cdot 10^{-8}$		1.584	1.584	0
cbWI	$-5.261 \cdot 10^{-6}$	$-5.261 \cdot 10^{-6}$	0		0.8563	0.8563	$1.168 \cdot 10^{-8}$
cpQ3	0.4833	0.4833	$2.069 \cdot 10^{-8}$		4.2	4.2	0
cpQM	0.2417	0.2417	0		1.05	1.05	0
cpb	−0.02369	−0.02369	$-4.221 \cdot 10^{-8}$		0.591	0.591	0
sm	0	0	0		0.008332	0.008332	$2.4 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.01352	0.01352	0

1.31 $Hz \to t\bar{t}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cpQM	2.071	2.071	0	1.416	1.416	0
cpt	−2.214	−2.214	0	1.416	1.416	0
ctW	$4.499 \cdot 10^{-8}$	0	1	$1.164 \cdot 10^{-12}$	0	1
ctWI	$-1.466 \cdot 10^{-10}$	0	1	$1.521 \cdot 10^{-12}$	0	1
ctZ	−0.04013	−0.04013	$6.23 \cdot 10^{-7}$	3.642	3.642	$1.071 \cdot 10^{-6}$
ctZI	0.0002252	0.0002252	$5.328 \cdot 10^{-7}$	3.593	3.593	$1.085 \cdot 10^{-6}$
ctp	0.003576	0.003576	$-1.957 \cdot 10^{-7}$	0.06905	0.06905	0
ctpI	$9.347 \cdot 10^{-5}$	$9.347 \cdot 10^{-5}$	$9.629 \cdot 10^{-8}$	0.06889	0.06889	0
sm	0	0	0	2.821	2.821	$3.545 \cdot 10^{-8}$

1.32 $Hz \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01127	0.01127	0

1.33 $W^+W^- \to Hb\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-3.622 \cdot 10^{-7}$	$-3.622 \cdot 10^{-7}$	0	$8.987 \cdot 10^{-6}$	$8.987 \cdot 10^{-6}$	$1.113 \cdot 10^{-8}$
cbWI	$-3.357 \cdot 10^{-8}$	$-3.357 \cdot 10^{-8}$	$2.979 \cdot 10^{-8}$	$6.05 \cdot 10^{-7}$	$6.05 \cdot 10^{-7}$	$1.653 \cdot 10^{-8}$
cpQ3	$-3.208 \cdot 10^{-5}$	$-3.208 \cdot 10^{-5}$	$3.117 \cdot 10^{-8}$	$4.127 \cdot 10^{-6}$	$4.127 \cdot 10^{-6}$	0
cpQM	$6.858 \cdot 10^{-6}$	$6.858 \cdot 10^{-6}$	$2.916 \cdot 10^{-8}$	$1.937 \cdot 10^{-7}$	$1.937 \cdot 10^{-7}$	0
cpb	$-4.701 \cdot 10^{-8}$	$-4.701 \cdot 10^{-8}$	$2.127 \cdot 10^{-8}$	$3.024 \cdot 10^{-8}$	$3.024 \cdot 10^{-8}$	$3.307 \cdot 10^{-8}$
cptb	$-4.649 \cdot 10^{-7}$	$-4.649 \cdot 10^{-7}$	$2.151 \cdot 10^{-8}$	$6.757 \cdot 10^{-7}$	$6.757 \cdot 10^{-7}$	0
cptbI	$6.72 \cdot 10^{-7}$	$6.72 \cdot 10^{-7}$	0	$2.091 \cdot 10^{-6}$	$2.091 \cdot 10^{-6}$	0
ctW	$-1.087 \cdot 10^{-6}$	$-1.087 \cdot 10^{-6}$	0	$1.394 \cdot 10^{-6}$	$1.394 \cdot 10^{-6}$	0
ctWI	$9.743 \cdot 10^{-6}$	$9.743 \cdot 10^{-6}$	$2.053 \cdot 10^{-8}$	$9.56 \cdot 10^{-6}$	$9.56 \cdot 10^{-6}$	$1.046 \cdot 10^{-8}$
ctp	$-1.225 \cdot 10^{-7}$	$-1.225 \cdot 10^{-7}$	0	$2.749 \cdot 10^{-8}$	$2.749 \cdot 10^{-8}$	0
ctpI	$1.787 \cdot 10^{-6}$	$1.787 \cdot 10^{-6}$	0	$5.46 \cdot 10^{-8}$	$5.46 \cdot 10^{-8}$	$1.831 \cdot 10^{-8}$
sm	0	0	0	$3.854 \cdot 10^{-5}$	$3.854 \cdot 10^{-5}$	$2.594 \cdot 10^{-8}$

1.34 $W^+W^- \to Hc\bar{c}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$7.86 \cdot 10^{-7}$	$7.86 \cdot 10^{-7}$	$3.817 \cdot 10^{-8}$

1.35 $W^+W^- \to Hd\bar{d}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$2.957 \cdot 10^{-7}$	$2.957 \cdot 10^{-7}$	$3.382 \cdot 10^{-8}$

1.36 $W^+W^- \to Ht\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$1.595 \cdot 10^{-7}$	$1.595 \cdot 10^{-7}$	0	$1.404 \cdot 10^{-8}$	$1.404 \cdot 10^{-8}$	0
cbWI	$2.281 \cdot 10^{-8}$	$2.281 \cdot 10^{-8}$	$4.384 \cdot 10^{-8}$	$2.633 \cdot 10^{-8}$	$2.633 \cdot 10^{-8}$	0
cpQ3	$5.711 \cdot 10^{-6}$	$5.711 \cdot 10^{-6}$	$1.751 \cdot 10^{-8}$	$9.948 \cdot 10^{-6}$	$9.948 \cdot 10^{-6}$	$1.005 \cdot 10^{-8}$
cpQM	$-1.406 \cdot 10^{-7}$	$-1.406 \cdot 10^{-7}$	0	$2.486 \cdot 10^{-6}$	$2.486 \cdot 10^{-6}$	0
cpt	$-1.592 \cdot 10^{-6}$	$-1.592 \cdot 10^{-6}$	0	$2.486 \cdot 10^{-6}$	$2.486 \cdot 10^{-6}$	0
cptb	$-1.889 \cdot 10^{-7}$	$-1.889 \cdot 10^{-7}$	$5.295 \cdot 10^{-8}$	$4.296 \cdot 10^{-9}$	$4.296 \cdot 10^{-9}$	0
cptbI	$-7.514 \cdot 10^{-9}$	$-7.514 \cdot 10^{-9}$	0	$1.236 \cdot 10^{-9}$	$1.236 \cdot 10^{-9}$	0
ctW	$-8.096 \cdot 10^{-6}$	$-8.096 \cdot 10^{-6}$	0	$4.405 \cdot 10^{-5}$	$4.405 \cdot 10^{-5}$	$-2.27 \cdot 10^{-8}$
ctWI	$2.418 \cdot 10^{-6}$	$2.418 \cdot 10^{-6}$	0	$3.852 \cdot 10^{-5}$	$3.852 \cdot 10^{-5}$	0
ctZ	$5.042 \cdot 10^{-7}$	$5.042 \cdot 10^{-7}$	$5.157 \cdot 10^{-7}$	$2.572 \cdot 10^{-7}$	$2.572 \cdot 10^{-7}$	$1.089 \cdot 10^{-6}$
ctZI	$3.697 \cdot 10^{-8}$	$3.697 \cdot 10^{-8}$	$5.409 \cdot 10^{-7}$	$1.523 \cdot 10^{-7}$	$1.523 \cdot 10^{-7}$	$1.116 \cdot 10^{-6}$
ctp	$3.188 \cdot 10^{-7}$	$3.188 \cdot 10^{-7}$	0	$4.1 \cdot 10^{-7}$	$4.1 \cdot 10^{-7}$	0
ctpI	$2.884 \cdot 10^{-7}$	$2.884 \cdot 10^{-7}$	0	$6.964 \cdot 10^{-7}$	$6.964 \cdot 10^{-7}$	$-1.436 \cdot 10^{-8}$
sm	0	0	0	$3.823 \cdot 10^{-5}$	$3.823 \cdot 10^{-5}$	$5.232 \cdot 10^{-8}$

1.37 $W^+W^- \to W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	64.68	64.68	$4.638 \cdot 10^{-8}$

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

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	1.27	1.27	$-7.871 \cdot 10^{-8}$

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

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.061 \cdot 10^{-7}$	$3.061 \cdot 10^{-7}$	$-9.801 \cdot 10^{-8}$

1.40 $\bar{b}t \to \bar{d}u$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQbqu1	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
cQbqu1I	0	0	0	0.25	0.25	$3.04 \cdot 10^{-6}$
cQbqu8	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cQbqu8I	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cQq13	0.03633	0.03633	0	0.1717	0.1717	0
cQq83	$5.168 \cdot 10^{-19}$	$5.168 \cdot 10^{-19}$	0	0.03816	0.03816	0
cQtqd1	0	0	0	0.25	0.25	$3.04 \cdot 10^{-6}$
cQtqd1I	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
cQtqd8	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cQtqd8I	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cbQqd1	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
cbQqd1I	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
cbQqd8	0	0	0	0.05556	0.05556	$2.934 \cdot 10^{-6}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cbQqd8I	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
cbW	0.0003111	0.0003111	$3.214 \cdot 10^{-8}$	0.01141	0.01141	0
cbWI	$-3.09 \cdot 10^{-19}$	$-5.262 \cdot 10^{-20}$	0.8297	0.009113	0.009113	$1.097 \cdot 10^{-8}$
cbtud1	0	0	0	0.4674	0.4674	$6.097 \cdot 10^{-6}$
cbtud1I	0	0	0	0.04294	0.04294	$6.079 \cdot 10^{-6}$
cbtud8	0	0	0	0.06723	0.06723	$5.92 \cdot 10^{-6}$
cbtud8I	0	0	0	0.1039	0.1039	$5.872 \cdot 10^{-6}$
cpQ3	0.002537	0.002537	$3.942 \cdot 10^{-8}$	$7.689 \cdot 10^{-5}$	$7.689 \cdot 10^{-5}$	$3.902 \cdot 10^{-8}$
cptb	$-2.193 \cdot 10^{-6}$	$-2.193 \cdot 10^{-6}$	$4.559 \cdot 10^{-8}$	$2.68 \cdot 10^{-5}$	$2.68 \cdot 10^{-5}$	$3.732 \cdot 10^{-8}$
cptbI	$-2.869 \cdot 10^{-21}$	$-2.634 \cdot 10^{-21}$	0.08173	$4.504 \cdot 10^{-6}$	$4.504 \cdot 10^{-6}$	$4.441 \cdot 10^{-8}$
ctQqu1	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
ctQqu1I	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
ctQqu8	0	0	0	0.05556	0.05556	$2.934 \cdot 10^{-6}$
ctQqu8I	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
ctW	0.003236	0.003236	$3.091 \cdot 10^{-8}$	0.008184	0.008184	$2.444 \cdot 10^{-8}$
ctWI	$4.038 \cdot 10^{-18}$	$5.603 \cdot 10^{-18}$	-0.3874	0.01196	0.01196	0
sm	0	0	0	0.001922	0.001922	0

1.41 $\gamma W^+ \rightarrow z W^+$

		interference			square	
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.3531	0.3531	0

1.42 $\mu^+ \mu^- \rightarrow \tau^+ \tau^-$

		interference			square	
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.02171	0.02171	$-4.606 \cdot 10^{-8}$

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

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0		$9.864 \cdot 10^{-6}$	$9.864 \cdot 10^{-6}$	0

1.44 $\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0		0.007074	0.007074	0

1.45 $b\bar{b} \to \gamma\gamma$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cbW	$6.124 \cdot 10^{-6}$	$6.124 \cdot 10^{-6}$	$-8.165 \cdot 10^{-8}$		0.0006187	0.0006187	$-8.082 \cdot 10^{-8}$
cbWI	$2.993 \cdot 10^{-22}$	$-4.261 \cdot 10^{-22}$	2.424		0.0006185	0.0006185	$-8.084 \cdot 10^{-8}$
sm	0	0	0		0.0009875	0.0009875	$-7.089 \cdot 10^{-8}$

1.46 $b\bar{b} \to \mu^+\mu^-$

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cbW	$3.976 \cdot 10^{-5}$	$3.976 \cdot 10^{-5}$	0		0.002136	0.002136	0
cbWI	$4.552 \cdot 10^{-16}$	$4.552 \cdot 10^{-16}$	$4.833 \cdot 10^{-6}$		0.0007288	0.0007288	$1.372 \cdot 10^{-8}$
cpQ3	0.0001574	0.0001574	0		$1.163 \cdot 10^{-5}$	$1.163 \cdot 10^{-5}$	0
cpQM	$7.871 \cdot 10^{-5}$	$7.871 \cdot 10^{-5}$	$3.811 \cdot 10^{-8}$		$2.908 \cdot 10^{-6}$	$2.908 \cdot 10^{-6}$	0

	interference				square		
cpb	$-9.131 \cdot 10^{-5}$	$-9.131 \cdot 10^{-5}$	$-9.857 \cdot 10^{-8}$		$4.263 \cdot 10^{-6}$	$4.263 \cdot 10^{-6}$	$-9.384 \cdot 10^{-8}$
sm	0	0	0		0.002972	0.002972	$3.365 \cdot 10^{-8}$

1.47 $b\bar{b} \to \nu_e \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$7.349 \cdot 10^{-5}$	$7.349 \cdot 10^{-5}$	$1.361 \cdot 10^{-8}$	0.0007733	0.0007733	$1.293 \cdot 10^{-8}$
cbWI	$-4.734 \cdot 10^{-20}$	$-2.342 \cdot 10^{-22}$	0.9951	0.002014	0.002014	0
cpQ3	0.001059	0.001059	0	$7.604 \cdot 10^{-5}$	$7.604 \cdot 10^{-5}$	0
cpQM	0.0005294	0.0005294	0	$1.901 \cdot 10^{-5}$	$1.901 \cdot 10^{-5}$	0
cpb	$-1.648 \cdot 10^{-5}$	$-1.648 \cdot 10^{-5}$	$-6.069 \cdot 10^{-8}$	$3.208 \cdot 10^{-6}$	$3.208 \cdot 10^{-6}$	0
sm	0	0	0	0.001825	0.001825	$5.48 \cdot 10^{-8}$

1.48 $b\bar{b} \to b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.01592	-0.01592	0	0.1075	0.1075	0
cQQ8	-0.001313	-0.001313	0	0.005073	0.005073	0
cQb1	0.009863	0.009863	$-6.083 \cdot 10^{-8}$	3.511	3.511	0
cQb8	-0.806	-0.806	0	0.7284	0.7284	0
cbW	0.002621	0.002621	0	0.01788	0.01788	0
cbWI	$-5.06 \cdot 10^{-18}$	$-1.644 \cdot 10^{-18}$	0.6752	0.02768	0.02768	$3.613 \cdot 10^{-8}$
cpQ3	-0.001374	-0.001374	$7.279 \cdot 10^{-8}$	$4.899 \cdot 10^{-5}$	$4.899 \cdot 10^{-5}$	$-6.123 \cdot 10^{-8}$
cpQM	-0.0006869	-0.0006869	$2.911 \cdot 10^{-8}$	$1.225 \cdot 10^{-5}$	$1.225 \cdot 10^{-5}$	0
cpb	$1.659 \cdot 10^{-5}$	$1.659 \cdot 10^{-5}$	$6.029 \cdot 10^{-8}$	0.000216	0.000216	0
sm	0	0	0	2.267	2.267	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd1	-0.0005761	-0.0005761	$-5.208 \cdot 10^{-8}$	0.03964	0.03964	0
cQd8	0.3778	0.3778	0	0.1275	0.1275	0
cQq11	0.01288	0.01288	0	0.05883	0.05883	0
cQq13	0.1405	0.1405	0	0.6415	0.6415	0
cQq81	0.4224	0.4224	0	0.1426	0.1426	0
cQq83	0.4224	0.4224	0	0.1426	0.1426	0
cbQqd1	-0.01371	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$
cbQqd1I	$-1.138 \cdot 10^{-19}$	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$
cbQqd8	$6.094 \cdot 10^{-10}$	0	1	0.1111	0.1111	$2.97 \cdot 10^{-6}$
cbQqd8I	$-4.05 \cdot 10^{-21}$	0	1	0.1111	0.1111	$2.97 \cdot 10^{-6}$
cbW	$4.499 \cdot 10^{-5}$	$4.499 \cdot 10^{-5}$	$4.446 \cdot 10^{-8}$	0.00475	0.00475	$2.105 \cdot 10^{-8}$
cbWI	$7.186 \cdot 10^{-18}$	$7.285 \cdot 10^{-18}$	-0.0137	0.004122	0.004122	$2.426 \cdot 10^{-8}$
cpQ3	0.0002042	0.0002042	0	$1.571 \cdot 10^{-5}$	$1.571 \cdot 10^{-5}$	0
cpQM	0.0001021	0.0001021	0	$3.927 \cdot 10^{-6}$	$3.927 \cdot 10^{-6}$	$-2.547 \cdot 10^{-8}$
cpb	$-2.797 \cdot 10^{-5}$	$-2.797 \cdot 10^{-5}$	$-7.15 \cdot 10^{-8}$	$3.081 \cdot 10^{-6}$	$3.081 \cdot 10^{-6}$	0
sm	0	0	0	0.6724	0.6724	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.01821	-0.01821	0	0.02019	0.02019	0
cQQ8	0.006437	0.006437	0	0.0002831	0.0002831	0
cQb1	-0.01496	-0.01496	0	0.9294	0.9294	0
cQb8	0.5036	0.5036	0	0.1635	0.1635	0

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		interference			square	
cQt1	-0.3049	-0.3049	$3.28 \cdot 10^{-8}$	0.9294	0.9294	0
cQt8	0.1147	0.1147	0	0.1635	0.1635	0
cQtQb1	-0.003584	-0.003584	0	0.8443	0.8443	0
cQtQb1I	$-3.881 \cdot 10^{-19}$	$7.981 \cdot 10^{-21}$	1.021	1.114	1.114	0
cQtQb8	0.001592	0.001592	0	0.1249	0.1249	0
cQtQb8I	$-7.918 \cdot 10^{-19}$	$-8.108 \cdot 10^{-19}$	-0.02403	0.1249	0.1249	0
cbW	0.002697	0.002697	0	0.004085	0.004085	0
cbWI	$7.28 \cdot 10^{-18}$	$-2.575 \cdot 10^{-18}$	1.354	0.0161	0.0161	0
cpQ3	-0.02009	-0.02009	0	0.003616	0.003616	0
cpQM	-0.0007899	-0.0007899	$-5.064 \cdot 10^{-8}$	$8.135 \cdot 10^{-6}$	$8.135 \cdot 10^{-6}$	$-1.106 \cdot 10^{-7}$
cpb	$5.197 \cdot 10^{-5}$	$5.197 \cdot 10^{-5}$	$-3.849 \cdot 10^{-8}$	$2.441 \cdot 10^{-5}$	$2.441 \cdot 10^{-5}$	$4.097 \cdot 10^{-8}$
cpt	-0.002143	-0.002143	$4.666 \cdot 10^{-8}$	$4.722 \cdot 10^{-5}$	$4.722 \cdot 10^{-5}$	$2.118 \cdot 10^{-8}$
cptb	-0.0004665	-0.0004665	0	0.0005903	0.0005903	$1.694 \cdot 10^{-8}$
cptbI	$-1.46 \cdot 10^{-19}$	$4.537 \cdot 10^{-21}$	1.031	0.000558	0.000558	$1.792 \cdot 10^{-8}$
ctG	0.1261	0.1261	0	0.01022	0.01022	0
ctGI	$-1.329 \cdot 10^{-18}$	$-1.01 \cdot 10^{-18}$	0.2405	0.0007701	0.0007701	0
ctW	0.024	0.024	$-1.25 \cdot 10^{-7}$	0.01454	0.01454	$2.063 \cdot 10^{-7}$
ctWI	$1.28 \cdot 10^{-17}$	$-9.782 \cdot 10^{-17}$	8.64	0.0005489	0.0005489	$1.639 \cdot 10^{-7}$
ctZ	0.004332	0.004332	$5.31 \cdot 10^{-7}$	0.001196	0.001196	$1.087 \cdot 10^{-6}$
ctZI	$-2.178 \cdot 10^{-20}$	$1.672 \cdot 10^{-20}$	1.768	$8.984 \cdot 10^{-5}$	$8.983 \cdot 10^{-5}$	$1.069 \cdot 10^{-6}$
ctb1	-0.0005001	-0.0005001	$-5.999 \cdot 10^{-8}$	0.001274	0.001274	0
ctb8	0.03277	0.03277	0	0.004486	0.004486	0
ctp	$-1.32 \cdot 10^{-5}$	$-1.32 \cdot 10^{-5}$	0	$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0
ctpI	$1.45 \cdot 10^{-21}$	$5.294 \cdot 10^{-22}$	0.6349	$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
sm	0	0	0	0.4485	0.4485	0

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

	interference			square		

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQbqu1	-0.01371	0	1	0.5	0.5	$3.06 \cdot 10^{-6}$
cQbqu1I	$3.855 \cdot 10^{-19}$	0	1	0.5	0.5	$3.06 \cdot 10^{-6}$
cQbqu8	$-3.346 \cdot 10^{-19}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$
cQbqu8I	$5.876 \cdot 10^{-20}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$
cQq11	-0.1366	-0.1366	$7.321 \cdot 10^{-8}$	0.6682	0.6682	0
cQq13	0.002214	0.002214	0	0.01083	0.01083	0
cQq81	0.007145	0.007145	0	0.002406	0.002406	0
cQq83	-0.007145	-0.007145	0	0.002406	0.002406	0
cQu1	0.02336	0.02336	$-4.281 \cdot 10^{-8}$	0.8027	0.8027	0
cQu8	0.5286	0.5286	0	0.1784	0.1784	0
cbW	0.000181	0.000181	$5.526 \cdot 10^{-8}$	0.003848	0.003848	0
cbWI	$4.844 \cdot 10^{-18}$	$4.875 \cdot 10^{-18}$	-0.006333	0.002403	0.002403	0
cpQ3	0.001582	0.001582	$6.321 \cdot 10^{-8}$	$8.997 \cdot 10^{-5}$	$8.997 \cdot 10^{-5}$	$4.446 \cdot 10^{-8}$
cpQM	0.000791	0.000791	$5.057 \cdot 10^{-8}$	$2.249 \cdot 10^{-5}$	$2.249 \cdot 10^{-5}$	$4.446 \cdot 10^{-8}$
cpb	$6.328 \cdot 10^{-5}$	$6.328 \cdot 10^{-5}$	$-3.161 \cdot 10^{-8}$	$2.682 \cdot 10^{-5}$	$2.682 \cdot 10^{-5}$	$7.457 \cdot 10^{-8}$
sm	0	0	0	0.7941	0.7941	0

1.52 $b\bar{t} \to e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$2.54 \cdot 10^{-5}$	$2.54 \cdot 10^{-5}$	$3.937 \cdot 10^{-8}$	0.002487	0.002487	0
cbWI	$-3.486 \cdot 10^{-20}$	$-2.515 \cdot 10^{-20}$	0.2786	0.004411	0.004411	$2.267 \cdot 10^{-8}$
cpQ3	$4.372 \cdot 10^{-5}$	$4.372 \cdot 10^{-5}$	$2.287 \cdot 10^{-8}$	$1.325 \cdot 10^{-6}$	$1.325 \cdot 10^{-6}$	0
cptb	$-7.312 \cdot 10^{-7}$	$-7.312 \cdot 10^{-7}$	$4.103 \cdot 10^{-8}$	$3.236 \cdot 10^{-6}$	$3.236 \cdot 10^{-6}$	$3.09 \cdot 10^{-8}$
cptbI	$-2.689 \cdot 10^{-22}$	$-9.117 \cdot 10^{-22}$	-2.391	$1.011 \cdot 10^{-5}$	$1.011 \cdot 10^{-5}$	$9.891 \cdot 10^{-8}$
ctW	0.002876	0.002876	$3.477 \cdot 10^{-8}$	0.004433	0.004433	0
ctWI	$-2.966 \cdot 10^{-19}$	$6.486 \cdot 10^{-19}$	3.187	0.002124	0.002124	0

| | sm | 0 | | 0 | | 0 | | 0.004172 | 0.004172 | $2.397 \cdot 10^{-8}$ |

1.53 $c\bar{c} \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.006625	0.006625	$-3.019 \cdot 10^{-8}$

1.54 $c\bar{s} \to \tau^+\nu_\tau$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.009154	0.009154	$3.277 \cdot 10^{-8}$

1.55 $d\bar{d} \to c\bar{c}$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.6579	0.6579	0

1.56 $d\bar{d} \to e^+e^-$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.0003134	0.0003134	$-6.381 \cdot 10^{-8}$

1.57 $d\bar{d} \to s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.4908	0.4908	0

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.007448	0.007448	$-8.056 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.002201	0.002201	$4.544 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.004347	0.004347	$-1.15 \cdot 10^{-7}$

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.2938	0.2938	$-6.806 \cdot 10^{-8}$

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

| | | interference | | | square | |
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.008386	0.008386	$-5.962 \cdot 10^{-8}$

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

| | | interference | | | square | |
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	2.278	2.278	$-8.778 \cdot 10^{-8}$

1.64 $gg \rightarrow gg$

| | | interference | | | square | |
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	33.39	33.39	0

1.65 $gg \rightarrow ggg$

| | | interference | | | square | |
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01625	0.01625	0

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

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

	interference mod1	interference mod2	1 − mod2/mod1		square mod1	square mod2	1 − mod2/mod1
ctG	1.028	1.028	0		0.1334	0.1334	0
ctGI	$-3.354 \cdot 10^{-18}$	$-3.354 \cdot 10^{-18}$	0		0.1076	0.1076	0
sm	0	0	0		0.6729	0.6729	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.3362	0.3362	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.00112	0.00112	0

1.69 $s\bar{s} \to s\bar{s}$

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	13.92	13.92	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cpQM	$-2.371 \cdot 10^{-6}$	$-2.371 \cdot 10^{-6}$	$2.53 \cdot 10^{-7}$	$4.182 \cdot 10^{-7}$	$4.182 \cdot 10^{-7}$	0
cpt	0.0001777	0.0001777	$-5.629 \cdot 10^{-8}$	$1.881 \cdot 10^{-5}$	$1.881 \cdot 10^{-5}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
ctW	$-1.327 \cdot 10^{-9}$	0	1	$9.75 \cdot 10^{-16}$	0	1
ctWI	$6.983 \cdot 10^{-26}$	0	1	$4.301 \cdot 10^{-16}$	0	1
ctZ	-0.0007723	-0.0007723	$4.403 \cdot 10^{-7}$	0.001683	0.001683	$1.07 \cdot 10^{-6}$
ctZI	$-1.073 \cdot 10^{-19}$	$-3.738 \cdot 10^{-19}$	-2.483	0.001016	0.001016	$1.083 \cdot 10^{-6}$
sm	0	0	0	0.001956	0.001956	$5.112 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cpQM	$-4.659 \cdot 10^{-5}$	$-4.659 \cdot 10^{-5}$	$1.288 \cdot 10^{-7}$	$3.098 \cdot 10^{-6}$	$3.098 \cdot 10^{-6}$	$-3.228 \cdot 10^{-8}$
cpt	$-7.805 \cdot 10^{-6}$	$-7.805 \cdot 10^{-6}$	$6.534 \cdot 10^{-7}$	$3.328 \cdot 10^{-6}$	$3.328 \cdot 10^{-6}$	$3.004 \cdot 10^{-8}$
ctW	0.01035	0.01035	$5.798 \cdot 10^{-7}$	0.005794	0.005794	$1.139 \cdot 10^{-6}$
ctWI	$-2.798 \cdot 10^{-19}$	$-3.29 \cdot 10^{-19}$	-0.1759	0.01564	0.01564	$1.151 \cdot 10^{-6}$
ctZ	-0.00522	-0.00522	$4.981 \cdot 10^{-7}$	0.01605	0.01605	$1.059 \cdot 10^{-6}$
ctZI	$2.288 \cdot 10^{-19}$	$2.565 \cdot 10^{-19}$	-0.1214	0.01277	0.01277	$1.018 \cdot 10^{-6}$
ctp	$-1.013 \cdot 10^{-6}$	$-1.013 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
ctpI	$-3.906 \cdot 10^{-25}$	$-3.182 \cdot 10^{-24}$	-7.147	$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
sm	0	0	0	0.00672	0.00672	$-1.488 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cQq11	0.04969	0.04969	0	0.2237	0.2237	0
cQq13	0.04248	0.04248	$2.354 \cdot 10^{-8}$	0.1907	0.1907	0
cQq81	0.1451	0.1451	0	0.04238	0.04238	0
cQq83	0.1451	0.1451	0	0.04238	0.04238	0
cQu1	0.01322	0.01322	$-7.564 \cdot 10^{-8}$	0.3515	0.3515	0

	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQu8	0.2509	0.2509	0	0.07811	0.07811	0
cpQM	-0.0002553	-0.0002553	$7.833 \cdot 10^{-8}$	$9.568 \cdot 10^{-6}$	$9.568 \cdot 10^{-6}$	$1.045 \cdot 10^{-8}$
cpt	$-1.846 \cdot 10^{-5}$	$-1.846 \cdot 10^{-5}$	$4.334 \cdot 10^{-7}$	$1.185 \cdot 10^{-5}$	$1.185 \cdot 10^{-5}$	$8.439 \cdot 10^{-8}$
ctG	0.1977	0.1977	0	0.04676	0.04676	0
ctGI	$2.941 \cdot 10^{-24}$	$-4.412 \cdot 10^{-24}$	2.5	0.03731	0.03731	0
ctQqu1	-0.4725	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$
ctQqu1I	$1.925 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$
ctQqu8	$2.1 \cdot 10^{-8}$	0	1	0.1112	0.1112	$2.967 \cdot 10^{-6}$
ctQqu8I	$-8.565 \cdot 10^{-18}$	0	1	0.1112	0.1112	$2.967 \cdot 10^{-6}$
ctW	0.00924	0.00924	$3.788 \cdot 10^{-7}$	0.02614	0.02614	$9.562 \cdot 10^{-7}$
ctWI	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.057 \cdot 10^{-7}$	0.02118	0.02118	$9.444 \cdot 10^{-7}$
ctZ	-0.005852	-0.005852	$4.955 \cdot 10^{-7}$	0.01843	0.01843	$1.085 \cdot 10^{-6}$
ctZI	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$6.919 \cdot 10^{-7}$	0.01471	0.01471	$1.088 \cdot 10^{-6}$
ctq1	0.0163	0.0163	0	0.3515	0.3515	0
ctq8	0.636	0.636	0	0.208	0.208	0
ctu1	0.02637	0.02637	$-3.792 \cdot 10^{-8}$	0.2237	0.2237	0
ctu8	0.1451	0.1451	0	0.04238	0.04238	0
sm	0	0	0	0.5899	0.5899	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQd1	-0.002078	-0.002078	$-4.812 \cdot 10^{-8}$	0.0278	0.0278	0
cQd8	0.1343	0.1343	0	0.03876	0.03876	0
cQq11	-0.07569	-0.07569	$2.642 \cdot 10^{-8}$	0.3745	0.3745	0
cQq13	0.1513	0.1513	0	0.7445	0.7445	0
cQq81	0.5097	0.5097	0	0.1655	0.1655	0
cQq83	-0.5097	-0.5097	0	0.1655	0.1655	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQtqd1	-0.4725	0	1	0.5004	0.5004	$3.037 \cdot 10^{-6}$
cQtqd1I	$2.544 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd8	$-2.891 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8I	$8.535 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cpQM	-0.0005304	-0.0005304	$1.885 \cdot 10^{-8}$	$1.906 \cdot 10^{-5}$	$1.906 \cdot 10^{-5}$	0
cpt	$2.159 \cdot 10^{-5}$	$2.159 \cdot 10^{-5}$	$-2.779 \cdot 10^{-7}$	$9.379 \cdot 10^{-6}$	$9.379 \cdot 10^{-6}$	$1.066 \cdot 10^{-8}$
ctG	0.1977	0.1977	0	0.04553	0.04553	0
ctGI	$-1.019 \cdot 10^{-31}$	$5.882 \cdot 10^{-24}$	$5.775 \cdot 10^{7}$	0.03609	0.03609	0
ctW	0.005777	0.005777	$-1.212 \cdot 10^{-7}$	0.003929	0.003929	$3.817 \cdot 10^{-7}$
ctWI	$1.183 \cdot 10^{-15}$	$1.181 \cdot 10^{-15}$	0.001711	0.00512	0.00512	$3.906 \cdot 10^{-7}$
ctZ	0.000497	0.000497	$7.445 \cdot 10^{-7}$	0.005331	0.005331	$1.05 \cdot 10^{-6}$
ctZI	$-1.043 \cdot 10^{-15}$	$-1.045 \cdot 10^{-15}$	-0.001887	0.004225	0.004225	$1.065 \cdot 10^{-6}$
ctd1	-0.04292	-0.04292	$-4.659 \cdot 10^{-8}$	0.7445	0.7445	0
ctd8	0.5097	0.5097	0	0.1655	0.1655	0
ctq1	-0.005239	-0.005239	$1.909 \cdot 10^{-8}$	0.0278	0.0278	0
ctq8	0.4702	0.4702	0	0.1521	0.1521	0
sm	0	0	0	0.8195	0.8195	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd1	-0.003288	-0.003288	$-3.041 \cdot 10^{-8}$	0.1142	0.1142	0
cQd8	0.1079	0.1079	0	0.02983	0.02983	0
cQq11	-0.08905	-0.08905	$2.246 \cdot 10^{-8}$	0.4398	0.4398	0
cQq13	0.09692	0.09692	$2.064 \cdot 10^{-8}$	0.4783	0.4783	0
cQq81	0.3344	0.3344	0	0.1063	0.1063	0
cQq83	-0.3344	-0.3344	0	0.1063	0.1063	0
cQtqd1	-0.4725	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$

	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
cQtqd1I	$-1.927 \cdot 10^{-19}$	0	1		0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd8	$-1.416 \cdot 10^{-17}$	0	1		0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8I	$-1.841 \cdot 10^{-18}$	0	1		0.1112	0.1112	$3.057 \cdot 10^{-6}$
cpQM	-0.0006257	-0.0006257	$3.197 \cdot 10^{-8}$		$2.227 \cdot 10^{-5}$	$2.227 \cdot 10^{-5}$	0
cpt	$1.819 \cdot 10^{-5}$	$1.819 \cdot 10^{-5}$	$-2.749 \cdot 10^{-7}$		$7.477 \cdot 10^{-6}$	$7.477 \cdot 10^{-6}$	$1.337 \cdot 10^{-8}$
ctG	0.1977	0.1977	0		0.04352	0.04352	0
ctGI	$7.353 \cdot 10^{-25}$	$5.882 \cdot 10^{-24}$	-7		0.03408	0.03408	0
ctW	0.00455	0.00455	$-8.79 \cdot 10^{-8}$		0.005966	0.005966	$3.855 \cdot 10^{-7}$
ctWI	$5.66 \cdot 10^{-13}$	$5.66 \cdot 10^{-13}$	$7.951 \cdot 10^{-7}$		0.004835	0.004835	$3.723 \cdot 10^{-7}$
ctZ	0.0006122	0.0006122	$7.187 \cdot 10^{-7}$		0.005096	0.005096	$1.06 \cdot 10^{-6}$
ctZI	$-4.955 \cdot 10^{-13}$	$-4.955 \cdot 10^{-13}$	$8.275 \cdot 10^{-7}$		0.00399	0.00399	$1.078 \cdot 10^{-6}$
ctd1	-0.02772	-0.02772	$-7.214 \cdot 10^{-8}$		0.4783	0.4783	0
ctd8	0.3344	0.3344	0		0.1063	0.1063	0
ctq1	-0.002724	-0.002724	$1.101 \cdot 10^{-7}$		0.1142	0.1142	0
ctq8	0.3901	0.3901	0		0.1251	0.1251	0
sm	0	0	0		0.6411	0.6411	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cQQ1	-4.55	-4.55	0	5.049	5.049	0
cQQ8	-0.9055	-0.9055	$1.104 \cdot 10^{-8}$	0.4619	0.4619	0
cQt1	-0.4206	-0.4206	$-4.755 \cdot 10^{-8}$	8.081	8.081	0
cQt8	-7.57	-7.57	0	1.679	1.679	0
cpQM	0.169	0.169	0	0.009183	0.009183	0
cpt	-0.15	-0.15	0	0.00967	0.00967	0
ctG	0.2901	0.2901	0	1.107	1.107	0
ctGI	$-1.016 \cdot 10^{-16}$	$-9.09 \cdot 10^{-17}$	0.1055	1.039	1.039	0

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	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
ctW	-1.342	-1.342	$5.217 \cdot 10^{-7}$		1.213	1.213	$9.066 \cdot 10^{-7}$
ctWI	$-1.66 \cdot 10^{-16}$	$-7.173 \cdot 10^{-17}$	0.5679		0.8842	0.8842	$9.387 \cdot 10^{-7}$
ctZ	0.6349	0.6349	$5.355 \cdot 10^{-7}$		0.6387	0.6387	$1.065 \cdot 10^{-6}$
ctZI	$2.424 \cdot 10^{-16}$	$-4.243 \cdot 10^{-16}$	2.751		0.6091	0.6091	$1.067 \cdot 10^{-6}$
ctp	0.1357	0.1357	0		0.009029	0.009029	0
ctpI	$-2.124 \cdot 10^{-18}$	$5.931 \cdot 10^{-18}$	3.793		0.004907	0.004907	0
ctt1	-8.334	-8.334	$-1.2 \cdot 10^{-8}$		20.2	20.2	0
sm	0	0	0		17.41	17.41	0

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

		interference				square	
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
sm	0	0	0		0.005739	0.005739	$3.485 \cdot 10^{-8}$

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

		interference				square	
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
sm	0	0	0		$1.041 \cdot 10^{-5}$	$1.041 \cdot 10^{-5}$	$9.604 \cdot 10^{-8}$

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

		interference				square	
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
sm	0	0	0		18.87	18.87	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.001371	0.001371	$7.296 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.629	0.629	0

1.81 $u\bar{u} \rightarrow u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	267.5	267.5	0

1.82 $zz \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	51.74	51.74	$7.731 \cdot 10^{-8}$

1.83 $zz \rightarrow zz$

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

| | sm | 0 | 0 | 0 | | 0.08149 | 0.08149 | | 0 |

2 By parameter point

2.1 cQQ1

| | interference | | | | square | | |
	mod1	mod2	$1 - $mod2/mod1		mod1	mod2	$1 - $mod2/mod1
$b\bar{b} \to b\bar{b}$	-0.01592	-0.01592	0		0.1075	0.1075	0
$b\bar{b} \to t\bar{t}$	-0.01821	-0.01821	0		0.02019	0.02019	0
$t\bar{t} \to t\bar{t}$	-4.55	-4.55	0		5.049	5.049	0

2.2 cQQ8

| | interference | | | | square | | |
	mod1	mod2	$1 - $mod2/mod1		mod1	mod2	$1 - $mod2/mod1
$b\bar{b} \to b\bar{b}$	-0.001313	-0.001313	0		0.005073	0.005073	0
$b\bar{b} \to t\bar{t}$	0.006437	0.006437	0		0.0002831	0.0002831	0
$t\bar{t} \to t\bar{t}$	-0.9055	-0.9055	$1.104 \cdot 10^{-8}$		0.4619	0.4619	0

2.3 cQb1

| | interference | | | | square | | |
	mod1	mod2	$1 - $mod2/mod1		mod1	mod2	$1 - $mod2/mod1
$b\bar{b} \to b\bar{b}$	0.009863	0.009863	$-6.083 \cdot 10^{-8}$		3.511	3.511	0
$b\bar{b} \to t\bar{t}$	-0.01496	-0.01496	0		0.9294	0.9294	0

2.4 cQb8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.806	-0.806	0	0.7284	0.7284	0
$b\bar{b} \to t\bar{t}$	0.5036	0.5036	0	0.1635	0.1635	0

2.5 cQbqu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	-0.01371	0	1	0.5	0.5	$3.06 \cdot 10^{-6}$

2.6 cQbqu1I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.04 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$3.855 \cdot 10^{-19}$	0	1	0.5	0.5	$3.06 \cdot 10^{-6}$

2.7 cQbqu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-3.346 \cdot 10^{-19}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$

2.8 cQbqu8I

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$5.876 \cdot 10^{-20}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$

2.9 cQd1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	-0.0005761	-0.0005761	$-5.208 \cdot 10^{-8}$	0.03964	0.03964	0
$t\bar{t} \to d\bar{d}$	-0.002078	-0.002078	$-4.812 \cdot 10^{-8}$	0.0278	0.0278	0
$t\bar{t} \to s\bar{s}$	-0.003288	-0.003288	$-3.041 \cdot 10^{-8}$	0.1142	0.1142	0

2.10 cQd8

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.3778	0.3778	0	0.1275	0.1275	0
$t\bar{t} \to d\bar{d}$	0.1343	0.1343	0	0.03876	0.03876	0
$t\bar{t} \to s\bar{s}$	0.1079	0.1079	0	0.02983	0.02983	0

2.11 cQq11

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.01288	0.01288	0	0.05883	0.05883	0

$b\bar{b} \to u\bar{u}$	-0.1366	-0.1366	$7.321 \cdot 10^{-8}$		0.6682	0.6682	0
$t\bar{t} \to c\bar{c}$	0.04969	0.04969	0		0.2237	0.2237	0
$t\bar{t} \to d\bar{d}$	-0.07569	-0.07569	$2.642 \cdot 10^{-8}$		0.3745	0.3745	0
$t\bar{t} \to s\bar{s}$	-0.08905	-0.08905	$2.246 \cdot 10^{-8}$		0.4398	0.4398	0

2.12   cQq13

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0.03633	0.03633	0		0.1717	0.1717	0
$b\bar{b} \to d\bar{d}$	0.1405	0.1405	0		0.6415	0.6415	0
$b\bar{b} \to u\bar{u}$	0.002214	0.002214	0		0.01083	0.01083	0
$t\bar{t} \to c\bar{c}$	0.04248	0.04248	$2.354 \cdot 10^{-8}$		0.1907	0.1907	0
$t\bar{t} \to d\bar{d}$	0.1513	0.1513	0		0.7445	0.7445	0
$t\bar{t} \to s\bar{s}$	0.09692	0.09692	$2.064 \cdot 10^{-8}$		0.4783	0.4783	0

2.13   cQq81

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to d\bar{d}$	0.4224	0.4224	0		0.1426	0.1426	0
$b\bar{b} \to u\bar{u}$	0.007145	0.007145	0		0.002406	0.002406	0
$t\bar{t} \to c\bar{c}$	0.1451	0.1451	0		0.04238	0.04238	0
$t\bar{t} \to d\bar{d}$	0.5097	0.5097	0		0.1655	0.1655	0
$t\bar{t} \to s\bar{s}$	0.3344	0.3344	0		0.1063	0.1063	0

2.14   cQq83

interference	square

	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$\bar{b}t \to \bar{d}u$	$5.168 \cdot 10^{-19}$	$5.168 \cdot 10^{-19}$	0	0.03816	0.03816	0
$b\bar{b} \to d\bar{d}$	0.4224	0.4224	0	0.1426	0.1426	0
$b\bar{b} \to u\bar{u}$	-0.007145	-0.007145	0	0.002406	0.002406	0
$t\bar{t} \to c\bar{c}$	0.1451	0.1451	0	0.04238	0.04238	0
$t\bar{t} \to d\bar{d}$	-0.5097	-0.5097	0	0.1655	0.1655	0
$t\bar{t} \to s\bar{s}$	-0.3344	-0.3344	0	0.1063	0.1063	0

2.15   cQt1

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$b\bar{b} \to t\bar{t}$	-0.3049	-0.3049	$3.28 \cdot 10^{-8}$	0.9294	0.9294	0
$t\bar{t} \to t\bar{t}$	-0.4206	-0.4206	$-4.755 \cdot 10^{-8}$	8.081	8.081	0

2.16   cQt8

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$b\bar{b} \to t\bar{t}$	0.1147	0.1147	0	0.1635	0.1635	0
$t\bar{t} \to t\bar{t}$	-7.57	-7.57	0	1.679	1.679	0

2.17   cQtQb1

	interference			square		
	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1-\texttt{mod2}/\texttt{mod1}$
$b\bar{b} \to t\bar{t}$	-0.003584	-0.003584	0	0.8443	0.8443	0

2.18 cQtQb1I

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to t\bar{t}$	$-3.881 \cdot 10^{-19}$	$7.981 \cdot 10^{-21}$	1.021		1.114	1.114	0

2.19 cQtQb8

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to t\bar{t}$	0.001592	0.001592	0		0.1249	0.1249	0

2.20 cQtQb8I

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to t\bar{t}$	$-7.918 \cdot 10^{-19}$	$-8.108 \cdot 10^{-19}$	-0.02403		0.1249	0.1249	0

2.21 cQtqd1

	interference				square		
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0		0.25	0.25	$3.04 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	-0.4725	0	1		0.5004	0.5004	$3.037 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	-0.4725	0	1		0.5004	0.5004	$3.057 \cdot 10^{-6}$

2.22 cQtqd1I

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$2.544 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.927 \cdot 10^{-19}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$

2.23 cQtqd8

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-2.891 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.416 \cdot 10^{-17}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$

2.24 cQtqd8I

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$8.535 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.841 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$

2.25 cQu1

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to u\bar{u}$	0.02336	0.02336	$-4.281 \cdot 10^{-8}$	0.8027	0.8027	0
$t\bar{t} \to c\bar{c}$	0.01322	0.01322	$-7.564 \cdot 10^{-8}$	0.3515	0.3515	0

2.26 cQu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	0.5286	0.5286	0	0.1784	0.1784	0
$t\bar{t} \to c\bar{c}$	0.2509	0.2509	0	0.07811	0.07811	0

2.27 cbQqd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	−0.01371	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$

2.28 cbQqd1I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-1.138 \cdot 10^{-19}$	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$

2.29 cbQqd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$2.934 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$6.094 \cdot 10^{-10}$	0	1	0.1111	0.1111	$2.97 \cdot 10^{-6}$

2.30 cbQqd8I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-4.05 \cdot 10^{-21}$	0	1	0.1111	0.1111	$2.97 \cdot 10^{-6}$

2.31 cbW

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$6.091 \cdot 10^{-7}$	$6.091 \cdot 10^{-7}$	$1.642 \cdot 10^{-8}$	$1.68 \cdot 10^{-5}$	$1.68 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$-4.144 \cdot 10^{-7}$	$-4.144 \cdot 10^{-7}$	$2.413 \cdot 10^{-8}$	$1.61 \cdot 10^{-5}$	$1.61 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$5.904 \cdot 10^{-7}$	$5.904 \cdot 10^{-7}$	$-3.387 \cdot 10^{-8}$	$1.749 \cdot 10^{-5}$	$1.749 \cdot 10^{-5}$	$-5.717 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	0.007907	0.007907	$1.265 \cdot 10^{-8}$	2.073	2.073	0
$H\gamma \to b\bar{b}$	$-2.598 \cdot 10^{-5}$	$-2.598 \cdot 10^{-5}$	$-3.849 \cdot 10^{-8}$	0.03903	0.03903	$-5.125 \cdot 10^{-8}$
$Hz \to b\bar{b}$	0.001428	0.001428	$7.005 \cdot 10^{-8}$	1.584	1.584	0
$W^+W^- \to Hb\bar{b}$	$-3.622 \cdot 10^{-7}$	$-3.622 \cdot 10^{-7}$	0	$8.987 \cdot 10^{-6}$	$8.987 \cdot 10^{-6}$	$1.113 \cdot 10^{-8}$
$W^+W^- \to Ht\bar{t}$	$1.595 \cdot 10^{-7}$	$1.595 \cdot 10^{-7}$	0	$1.404 \cdot 10^{-8}$	$1.404 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	0.0003111	0.0003111	$3.214 \cdot 10^{-8}$	0.01141	0.01141	0
$b\bar{b} \to \gamma\gamma$	$6.124 \cdot 10^{-6}$	$6.124 \cdot 10^{-6}$	$-8.165 \cdot 10^{-8}$	0.0006187	0.0006187	$-8.082 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	$3.976 \cdot 10^{-5}$	$3.976 \cdot 10^{-5}$	0	0.002136	0.002136	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.349 \cdot 10^{-5}$	$7.349 \cdot 10^{-5}$	$1.361 \cdot 10^{-8}$	0.0007733	0.0007733	$1.293 \cdot 10^{-8}$
$b\bar{b} \to b\bar{b}$	0.002621	0.002621	0	0.01788	0.01788	0
$b\bar{b} \to d\bar{d}$	$4.499 \cdot 10^{-5}$	$4.499 \cdot 10^{-5}$	$4.446 \cdot 10^{-8}$	0.00475	0.00475	$2.105 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	0.002697	0.002697	0	0.004085	0.004085	0
$b\bar{b} \to u\bar{u}$	0.000181	0.000181	$5.526 \cdot 10^{-8}$	0.003848	0.003848	0
$b\bar{t} \to e^-\bar{\nu}_e$	$2.54 \cdot 10^{-5}$	$2.54 \cdot 10^{-5}$	$3.937 \cdot 10^{-8}$	0.002487	0.002487	0

2.32 cbWI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-4.196 \cdot 10^{-8}$	$-4.196 \cdot 10^{-8}$	$-2.383 \cdot 10^{-8}$	$1.843 \cdot 10^{-5}$	$1.843 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$3.807 \cdot 10^{-6}$	$3.807 \cdot 10^{-6}$	$2.627 \cdot 10^{-8}$	$3.509 \cdot 10^{-6}$	$3.509 \cdot 10^{-6}$	$2.85 \cdot 10^{-8}$
$HW^+ \to \gamma t\bar{b}$	$-1.428 \cdot 10^{-8}$	$-1.428 \cdot 10^{-8}$	0	$8.729 \cdot 10^{-6}$	$8.729 \cdot 10^{-6}$	$-3.437 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	$2.672 \cdot 10^{-7}$	$2.672 \cdot 10^{-7}$	$3.742 \cdot 10^{-8}$	2.277	2.277	0
$H\gamma \to b\bar{b}$	$1.954 \cdot 10^{-22}$	$1.292 \cdot 10^{-22}$	0.3387	0.6327	0.6327	$-4.742 \cdot 10^{-8}$
$Hz \to b\bar{b}$	$-5.261 \cdot 10^{-6}$	$-5.261 \cdot 10^{-6}$	0	0.8563	0.8563	$1.168 \cdot 10^{-8}$
$W^+W^- \to Hb\bar{b}$	$-3.357 \cdot 10^{-8}$	$-3.357 \cdot 10^{-8}$	$2.979 \cdot 10^{-8}$	$6.05 \cdot 10^{-7}$	$6.05 \cdot 10^{-7}$	$1.653 \cdot 10^{-8}$
$W^+W^- \to Ht\bar{t}$	$2.281 \cdot 10^{-8}$	$2.281 \cdot 10^{-8}$	$4.384 \cdot 10^{-8}$	$2.633 \cdot 10^{-8}$	$2.633 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	$-3.09 \cdot 10^{-19}$	$-5.262 \cdot 10^{-20}$	0.8297	0.009113	0.009113	$1.097 \cdot 10^{-8}$
$b\bar{b} \to \gamma\gamma$	$2.993 \cdot 10^{-22}$	$-4.261 \cdot 10^{-22}$	2.424	0.0006185	0.0006185	$-8.084 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	$4.552 \cdot 10^{-16}$	$4.552 \cdot 10^{-16}$	$4.833 \cdot 10^{-6}$	0.0007288	0.0007288	$1.372 \cdot 10^{-8}$
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-4.734 \cdot 10^{-20}$	$-2.342 \cdot 10^{-22}$	0.9951	0.002014	0.002014	0
$b\bar{b} \to b\bar{b}$	$-5.06 \cdot 10^{-18}$	$-1.644 \cdot 10^{-18}$	0.6752	0.02768	0.02768	$3.613 \cdot 10^{-8}$
$b\bar{b} \to d\bar{d}$	$7.186 \cdot 10^{-18}$	$7.285 \cdot 10^{-18}$	-0.0137	0.004122	0.004122	$2.426 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	$7.28 \cdot 10^{-18}$	$-2.575 \cdot 10^{-18}$	1.354	0.0161	0.0161	0
$b\bar{b} \to u\bar{u}$	$4.844 \cdot 10^{-18}$	$4.875 \cdot 10^{-18}$	-0.006333	0.002403	0.002403	0
$b\bar{t} \to e^-\bar{\nu}_e$	$-3.486 \cdot 10^{-20}$	$-2.515 \cdot 10^{-20}$	0.2786	0.004411	0.004411	$2.267 \cdot 10^{-8}$

2.33 cbtud1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.4674	0.4674	$6.097 \cdot 10^{-6}$

2.34 cbtud1I

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.04294	0.04294	$6.079 \cdot 10^{-6}$

2.35 cbtud8

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.06723	0.06723	$5.92 \cdot 10^{-6}$

2.36 cbtud8I

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.1039	0.1039	$5.872 \cdot 10^{-6}$

2.37 cpQ3

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-8.588 \cdot 10^{-6}$	$-8.588 \cdot 10^{-6}$	$1.164 \cdot 10^{-8}$	$3.985 \cdot 10^{-5}$	$3.985 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$2.901 \cdot 10^{-5}$	$2.901 \cdot 10^{-5}$	0	$7.711 \cdot 10^{-5}$	$7.711 \cdot 10^{-5}$	0
$HW^+ \to \gamma t\bar{b}$	$-1.495 \cdot 10^{-5}$	$-1.495 \cdot 10^{-5}$	0	$5.579 \cdot 10^{-6}$	$5.579 \cdot 10^{-6}$	$-3.585 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	-0.8737	-0.8737	0	1.632	1.632	0
$Hz \to b\bar{b}$	0.4833	0.4833	$2.069 \cdot 10^{-8}$	4.2	4.2	0
$W^+W^- \to Hb\bar{b}$	$-3.208 \cdot 10^{-5}$	$-3.208 \cdot 10^{-5}$	$3.117 \cdot 10^{-8}$	$4.127 \cdot 10^{-6}$	$4.127 \cdot 10^{-6}$	0

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$W^+W^- \to Ht\bar{t}$	$5.711 \cdot 10^{-6}$	$5.711 \cdot 10^{-6}$	$1.751 \cdot 10^{-8}$	$9.948 \cdot 10^{-6}$	$9.948 \cdot 10^{-6}$	$1.005 \cdot 10^{-8}$
$\bar{b}t \to \bar{d}u$	0.002537	0.002537	$3.942 \cdot 10^{-8}$	$7.689 \cdot 10^{-5}$	$7.689 \cdot 10^{-5}$	$3.902 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	0.0001574	0.0001574	0	$1.163 \cdot 10^{-5}$	$1.163 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.001059	0.001059	0	$7.604 \cdot 10^{-5}$	$7.604 \cdot 10^{-5}$	0
$b\bar{b} \to b\bar{b}$	-0.001374	-0.001374	$7.279 \cdot 10^{-8}$	$4.899 \cdot 10^{-5}$	$4.899 \cdot 10^{-5}$	$-6.123 \cdot 10^{-8}$
$b\bar{b} \to d\bar{d}$	0.0002042	0.0002042	0	$1.571 \cdot 10^{-5}$	$1.571 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.02009	-0.02009	0	0.003616	0.003616	0
$b\bar{b} \to u\bar{u}$	0.001582	0.001582	$6.321 \cdot 10^{-8}$	$8.997 \cdot 10^{-5}$	$8.997 \cdot 10^{-5}$	$4.446 \cdot 10^{-8}$
$b\bar{t} \to e^-\bar{\nu}_e$	$4.372 \cdot 10^{-5}$	$4.372 \cdot 10^{-5}$	$2.287 \cdot 10^{-8}$	$1.325 \cdot 10^{-6}$	$1.325 \cdot 10^{-6}$	0

2.38 cpQM

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HH \to z\bar{b}b$	$1.451 \cdot 10^{-5}$	$1.451 \cdot 10^{-5}$	0	$1.928 \cdot 10^{-5}$	$1.928 \cdot 10^{-5}$	0
$HH \to zt\bar{t}$	$2.384 \cdot 10^{-5}$	$2.384 \cdot 10^{-5}$	0	$5.495 \cdot 10^{-5}$	$5.495 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	0.2417	0.2417	0	1.05	1.05	0
$Hz \to t\bar{t}$	2.071	2.071	0	1.416	1.416	0
$W^+W^- \to Hb\bar{b}$	$6.858 \cdot 10^{-6}$	$6.858 \cdot 10^{-6}$	$2.916 \cdot 10^{-8}$	$1.937 \cdot 10^{-7}$	$1.937 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$-1.406 \cdot 10^{-7}$	$-1.406 \cdot 10^{-7}$	0	$2.486 \cdot 10^{-6}$	$2.486 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$7.871 \cdot 10^{-5}$	$7.871 \cdot 10^{-5}$	$3.811 \cdot 10^{-8}$	$2.908 \cdot 10^{-6}$	$2.908 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.0005294	0.0005294	0	$1.901 \cdot 10^{-5}$	$1.901 \cdot 10^{-5}$	0
$b\bar{b} \to b\bar{b}$	-0.0006869	-0.0006869	$2.911 \cdot 10^{-8}$	$1.225 \cdot 10^{-5}$	$1.225 \cdot 10^{-5}$	0
$b\bar{b} \to d\bar{d}$	0.0001021	0.0001021	0	$3.927 \cdot 10^{-6}$	$3.927 \cdot 10^{-6}$	$-2.547 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	-0.0007899	-0.0007899	$-5.064 \cdot 10^{-8}$	$8.135 \cdot 10^{-6}$	$8.135 \cdot 10^{-6}$	$-1.106 \cdot 10^{-7}$
$b\bar{b} \to u\bar{u}$	0.000791	0.000791	$5.057 \cdot 10^{-8}$	$2.249 \cdot 10^{-5}$	$2.249 \cdot 10^{-5}$	$4.446 \cdot 10^{-8}$
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-2.371 \cdot 10^{-6}$	$-2.371 \cdot 10^{-6}$	$2.53 \cdot 10^{-7}$	$4.182 \cdot 10^{-7}$	$4.182 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$-4.659 \cdot 10^{-5}$	$-4.659 \cdot 10^{-5}$	$1.288 \cdot 10^{-7}$	$3.098 \cdot 10^{-6}$	$3.098 \cdot 10^{-6}$	$-3.228 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	-0.0002553	-0.0002553	$7.833 \cdot 10^{-8}$	$9.568 \cdot 10^{-6}$	$9.568 \cdot 10^{-6}$	$1.045 \cdot 10^{-8}$

$t\bar{t} \to d\bar{d}$	-0.0005304	-0.0005304	$1.885 \cdot 10^{-8}$	$1.906 \cdot 10^{-5}$	$1.906 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	-0.0006257	-0.0006257	$3.197 \cdot 10^{-8}$	$2.227 \cdot 10^{-5}$	$2.227 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.169	0.169	0	0.009183	0.009183	0

2.39 cpb

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to z\bar{b}b$	$-3.725 \cdot 10^{-7}$	$-3.725 \cdot 10^{-7}$	$-1.611 \cdot 10^{-7}$	$9.081 \cdot 10^{-6}$	$9.081 \cdot 10^{-6}$	0
$Hz \to b\bar{b}$	-0.02369	-0.02369	$-4.221 \cdot 10^{-8}$	0.591	0.591	0
$W^+W^- \to Hb\bar{b}$	$-4.701 \cdot 10^{-8}$	$-4.701 \cdot 10^{-8}$	$2.127 \cdot 10^{-8}$	$3.024 \cdot 10^{-8}$	$3.024 \cdot 10^{-8}$	$3.307 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	$-9.131 \cdot 10^{-5}$	$-9.131 \cdot 10^{-5}$	$-9.857 \cdot 10^{-8}$	$4.263 \cdot 10^{-6}$	$4.263 \cdot 10^{-6}$	$-9.384 \cdot 10^{-8}$
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-1.648 \cdot 10^{-5}$	$-1.648 \cdot 10^{-5}$	$-6.069 \cdot 10^{-8}$	$3.208 \cdot 10^{-6}$	$3.208 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	$1.659 \cdot 10^{-5}$	$1.659 \cdot 10^{-5}$	$6.029 \cdot 10^{-8}$	0.000216	0.000216	0
$b\bar{b} \to d\bar{d}$	$-2.797 \cdot 10^{-5}$	$-2.797 \cdot 10^{-5}$	$-7.15 \cdot 10^{-8}$	$3.081 \cdot 10^{-6}$	$3.081 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	$5.197 \cdot 10^{-5}$	$5.197 \cdot 10^{-5}$	$-3.849 \cdot 10^{-8}$	$2.441 \cdot 10^{-5}$	$2.441 \cdot 10^{-5}$	$4.097 \cdot 10^{-8}$
$b\bar{b} \to u\bar{u}$	$6.328 \cdot 10^{-5}$	$6.328 \cdot 10^{-5}$	$-3.161 \cdot 10^{-8}$	$2.682 \cdot 10^{-5}$	$2.682 \cdot 10^{-5}$	$7.457 \cdot 10^{-8}$

2.40 cpt

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to zt\bar{t}$	$-2.149 \cdot 10^{-5}$	$-2.149 \cdot 10^{-5}$	0	$5.497 \cdot 10^{-5}$	$5.497 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	-2.214	-2.214	0	1.416	1.416	0
$W^+W^- \to Ht\bar{t}$	$-1.592 \cdot 10^{-6}$	$-1.592 \cdot 10^{-6}$	0	$2.486 \cdot 10^{-6}$	$2.486 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.002143	-0.002143	$4.666 \cdot 10^{-8}$	$4.722 \cdot 10^{-5}$	$4.722 \cdot 10^{-5}$	$2.118 \cdot 10^{-8}$
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.0001777	0.0001777	$-5.629 \cdot 10^{-8}$	$1.881 \cdot 10^{-5}$	$1.881 \cdot 10^{-5}$	0
$t\bar{t} \to \tau^+\tau^-$	$-7.805 \cdot 10^{-6}$	$-7.805 \cdot 10^{-6}$	$6.534 \cdot 10^{-7}$	$3.328 \cdot 10^{-6}$	$3.328 \cdot 10^{-6}$	$3.004 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	$-1.846 \cdot 10^{-5}$	$-1.846 \cdot 10^{-5}$	$4.334 \cdot 10^{-7}$	$1.185 \cdot 10^{-5}$	$1.185 \cdot 10^{-5}$	$8.439 \cdot 10^{-8}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$t\bar{t} \to d\bar{d}$	$2.159 \cdot 10^{-5}$	$2.159 \cdot 10^{-5}$	$-2.779 \cdot 10^{-7}$	$9.379 \cdot 10^{-6}$	$9.379 \cdot 10^{-6}$	$1.066 \cdot 10^{-8}$
$t\bar{t} \to s\bar{s}$	$1.819 \cdot 10^{-5}$	$1.819 \cdot 10^{-5}$	$-2.749 \cdot 10^{-7}$	$7.477 \cdot 10^{-6}$	$7.477 \cdot 10^{-6}$	$1.337 \cdot 10^{-8}$
$t\bar{t} \to t\bar{t}$	-0.15	-0.15	0	0.00967	0.00967	0

2.41 cptb

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to W^+\bar{t}b$	$-5.803 \cdot 10^{-7}$	$-5.803 \cdot 10^{-7}$	0	$7.26 \cdot 10^{-6}$	$7.26 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-2.278 \cdot 10^{-7}$	$-2.278 \cdot 10^{-7}$	$-4.389 \cdot 10^{-8}$	$1.255 \cdot 10^{-6}$	$1.255 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	-0.05344	-0.05344	0	0.4858	0.4858	0
$W^+W^- \to Hb\bar{b}$	$-4.649 \cdot 10^{-7}$	$-4.649 \cdot 10^{-7}$	$2.151 \cdot 10^{-8}$	$6.757 \cdot 10^{-7}$	$6.757 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$-1.889 \cdot 10^{-7}$	$-1.889 \cdot 10^{-7}$	$5.295 \cdot 10^{-8}$	$4.296 \cdot 10^{-9}$	$4.296 \cdot 10^{-9}$	0
$\bar{b}t \to \bar{d}u$	$-2.193 \cdot 10^{-6}$	$-2.193 \cdot 10^{-6}$	$4.559 \cdot 10^{-8}$	$2.68 \cdot 10^{-5}$	$2.68 \cdot 10^{-5}$	$3.732 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	-0.0004665	-0.0004665	0	0.0005903	0.0005903	$1.694 \cdot 10^{-8}$
$b\bar{t} \to e^-\bar{\nu}_e$	$-7.312 \cdot 10^{-7}$	$-7.312 \cdot 10^{-7}$	$4.103 \cdot 10^{-8}$	$3.236 \cdot 10^{-6}$	$3.236 \cdot 10^{-6}$	$3.09 \cdot 10^{-8}$

2.42 cptbI

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to W^+\bar{t}b$	$-1.402 \cdot 10^{-8}$	$-1.402 \cdot 10^{-8}$	0	$9.963 \cdot 10^{-6}$	$9.963 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-5.567 \cdot 10^{-9}$	$-5.567 \cdot 10^{-9}$	$-1.796 \cdot 10^{-8}$	$1.394 \cdot 10^{-6}$	$1.394 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	$-8.796 \cdot 10^{-6}$	$-8.796 \cdot 10^{-6}$	$1.137 \cdot 10^{-8}$	0.408	0.408	0
$W^+W^- \to Hb\bar{b}$	$6.72 \cdot 10^{-7}$	$6.72 \cdot 10^{-7}$	0	$2.091 \cdot 10^{-6}$	$2.091 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$-7.514 \cdot 10^{-9}$	$-7.514 \cdot 10^{-9}$	0	$1.236 \cdot 10^{-9}$	$1.236 \cdot 10^{-9}$	0
$\bar{b}t \to \bar{d}u$	$-2.869 \cdot 10^{-21}$	$-2.634 \cdot 10^{-21}$	0.08173	$4.504 \cdot 10^{-6}$	$4.504 \cdot 10^{-6}$	$4.441 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	$-1.46 \cdot 10^{-19}$	$4.537 \cdot 10^{-21}$	1.031	0.000558	0.000558	$1.792 \cdot 10^{-8}$
$b\bar{t} \to e^-\bar{\nu}_e$	$-2.689 \cdot 10^{-22}$	$-9.117 \cdot 10^{-22}$	-2.391	$1.011 \cdot 10^{-5}$	$1.011 \cdot 10^{-5}$	$9.891 \cdot 10^{-8}$

2.43 ctG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.1261	0.1261	0	0.01022	0.01022	0
$gg \to t\bar{t}$	1.028	1.028	0	0.1334	0.1334	0
$t\bar{t} \to c\bar{c}$	0.1977	0.1977	0	0.04676	0.04676	0
$t\bar{t} \to d\bar{d}$	0.1977	0.1977	0	0.04553	0.04553	0
$t\bar{t} \to s\bar{s}$	0.1977	0.1977	0	0.04352	0.04352	0
$t\bar{t} \to t\bar{t}$	0.2901	0.2901	0	1.107	1.107	0

2.44 ctGI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	$-1.329 \cdot 10^{-18}$	$-1.01 \cdot 10^{-18}$	0.2405	0.0007701	0.0007701	0
$gg \to t\bar{t}$	$-3.354 \cdot 10^{-18}$	$-3.354 \cdot 10^{-18}$	0	0.1076	0.1076	0
$t\bar{t} \to c\bar{c}$	$2.941 \cdot 10^{-24}$	$-4.412 \cdot 10^{-24}$	2.5	0.03731	0.03731	0
$t\bar{t} \to d\bar{d}$	$-1.019 \cdot 10^{-31}$	$5.882 \cdot 10^{-24}$	$5.775 \cdot 10^{7}$	0.03609	0.03609	0
$t\bar{t} \to s\bar{s}$	$7.353 \cdot 10^{-25}$	$5.882 \cdot 10^{-24}$	-7	0.03408	0.03408	0
$t\bar{t} \to t\bar{t}$	$-1.016 \cdot 10^{-16}$	$-9.09 \cdot 10^{-17}$	0.1055	1.039	1.039	0

2.45 ctQqu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	-0.4725	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$

2.46 ctQqu1I

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$1.925 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$

2.47 ctQqu8

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$2.934 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$2.1 \cdot 10^{-8}$	0	1	0.1112	0.1112	$2.967 \cdot 10^{-6}$

2.48 ctQqu8I

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$-8.565 \cdot 10^{-18}$	0	1	0.1112	0.1112	$2.967 \cdot 10^{-6}$

2.49 ctW

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-3.73 \cdot 10^{-6}$	$-3.73 \cdot 10^{-6}$	0	$1.84 \cdot 10^{-5}$	$1.84 \cdot 10^{-5}$	0
$HH \to zt\bar{t}$	$-7.554 \cdot 10^{-14}$	0	1	$2.99 \cdot 10^{-17}$	0	1
$HW^+ \to \gamma t\bar{b}$	$-1.604 \cdot 10^{-6}$	$-1.604 \cdot 10^{-6}$	$3.117 \cdot 10^{-7}$	$1.239 \cdot 10^{-5}$	$1.239 \cdot 10^{-5}$	$6.457 \cdot 10^{-7}$

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HW^- \to \bar{t}b$	-0.2654	-0.2654	0	2.277	2.277	0
$H\gamma \to t\bar{t}$	-0.6798	-0.6798	$5.737 \cdot 10^{-7}$	14.1	14.1	$1.205 \cdot 10^{-6}$
$Hz \to t\bar{t}$	$4.499 \cdot 10^{-8}$	0	1	$1.164 \cdot 10^{-12}$	0	1
$W^+W^- \to Hb\bar{b}$	$-1.087 \cdot 10^{-6}$	$-1.087 \cdot 10^{-6}$	0	$1.394 \cdot 10^{-6}$	$1.394 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$-8.096 \cdot 10^{-6}$	$-8.096 \cdot 10^{-6}$	0	$4.405 \cdot 10^{-5}$	$4.405 \cdot 10^{-5}$	$-2.27 \cdot 10^{-8}$
$\bar{b}t \to \bar{d}u$	0.003236	0.003236	$3.091 \cdot 10^{-8}$	0.008184	0.008184	$2.444 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	0.024	0.024	$-1.25 \cdot 10^{-7}$	0.01454	0.01454	$2.063 \cdot 10^{-7}$
$b\bar{t} \to e^- \bar{\nu}_e$	0.002876	0.002876	$3.477 \cdot 10^{-8}$	0.004433	0.004433	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$-1.327 \cdot 10^{-9}$	0	1	$9.75 \cdot 10^{-16}$	0	1
$t\bar{t} \to \tau^+ \tau^-$	0.01035	0.01035	$5.798 \cdot 10^{-7}$	0.005794	0.005794	$1.139 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	0.00924	0.00924	$3.788 \cdot 10^{-7}$	0.02614	0.02614	$9.562 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	0.005777	0.005777	$-1.212 \cdot 10^{-7}$	0.003929	0.003929	$3.817 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	0.00455	0.00455	$-8.79 \cdot 10^{-8}$	0.005966	0.005966	$3.855 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	-1.342	-1.342	$5.217 \cdot 10^{-7}$	1.213	1.213	$9.066 \cdot 10^{-7}$

2.50 ctWI

	interference			square		
	mod1	mod2	$1-\mathrm{mod2/mod1}$	mod1	mod2	$1-\mathrm{mod2/mod1}$
$HH \to W^+\bar{t}b$	$5.955 \cdot 10^{-8}$	$5.955 \cdot 10^{-8}$	$-6.717 \cdot 10^{-8}$	$1.681 \cdot 10^{-5}$	$1.681 \cdot 10^{-5}$	0
$HH \to zt\bar{t}$	$9.797 \cdot 10^{-13}$	0	1	$3.326 \cdot 10^{-17}$	0	1
$HW^+ \to \gamma t\bar{b}$	$6.698 \cdot 10^{-6}$	$6.698 \cdot 10^{-6}$	$-7.763 \cdot 10^{-7}$	$2.014 \cdot 10^{-5}$	$2.014 \cdot 10^{-5}$	$2.979 \cdot 10^{-7}$
$HW^- \to \bar{t}b$	0.0002136	0.0002136	$4.683 \cdot 10^{-8}$	2.073	2.073	0
$H\gamma \to t\bar{t}$	$1.469 \cdot 10^{-16}$	$1.301 \cdot 10^{-16}$	0.1144	11.34	11.34	$1.235 \cdot 10^{-6}$
$Hz \to t\bar{t}$	$-1.466 \cdot 10^{-10}$	0	1	$1.521 \cdot 10^{-12}$	0	1
$W^+W^- \to Hb\bar{b}$	$9.743 \cdot 10^{-6}$	$9.743 \cdot 10^{-6}$	$2.053 \cdot 10^{-8}$	$9.56 \cdot 10^{-6}$	$9.56 \cdot 10^{-6}$	$1.046 \cdot 10^{-8}$
$W^+W^- \to Ht\bar{t}$	$2.418 \cdot 10^{-6}$	$2.418 \cdot 10^{-6}$	0	$3.852 \cdot 10^{-5}$	$3.852 \cdot 10^{-5}$	0
$\bar{b}t \to \bar{d}u$	$4.038 \cdot 10^{-18}$	$5.603 \cdot 10^{-18}$	-0.3874	0.01196	0.01196	0
$b\bar{b} \to t\bar{t}$	$1.28 \cdot 10^{-17}$	$-9.782 \cdot 10^{-17}$	8.64	0.0005489	0.0005489	$1.639 \cdot 10^{-7}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{t} \to e^- \bar{\nu}_e$	$-2.966 \cdot 10^{-19}$	$6.486 \cdot 10^{-19}$	3.187	0.002124	0.002124	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$6.983 \cdot 10^{-26}$	0	1	$4.301 \cdot 10^{-16}$	0	1
$t\bar{t} \to \tau^+ \tau^-$	$-2.798 \cdot 10^{-19}$	$-3.29 \cdot 10^{-19}$	-0.1759	0.01564	0.01564	$1.151 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.057 \cdot 10^{-7}$	0.02118	0.02118	$9.444 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$1.183 \cdot 10^{-15}$	$1.181 \cdot 10^{-15}$	0.001711	0.00512	0.00512	$3.906 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	$5.66 \cdot 10^{-13}$	$5.66 \cdot 10^{-13}$	$7.951 \cdot 10^{-7}$	0.004835	0.004835	$3.723 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	$-1.66 \cdot 10^{-16}$	$-7.173 \cdot 10^{-17}$	0.5679	0.8842	0.8842	$9.387 \cdot 10^{-7}$

2.51 ctZ

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to zt\bar{t}$	$4.008 \cdot 10^{-6}$	$4.008 \cdot 10^{-6}$	$6.238 \cdot 10^{-7}$	$8.247 \cdot 10^{-5}$	$8.247 \cdot 10^{-5}$	$1.067 \cdot 10^{-6}$
$HW^+ \to \gamma t\bar{b}$	$1.245 \cdot 10^{-5}$	$1.245 \cdot 10^{-5}$	$5.623 \cdot 10^{-7}$	$7.377 \cdot 10^{-6}$	$7.377 \cdot 10^{-6}$	$1.139 \cdot 10^{-6}$
$H\gamma \to t\bar{t}$	0.7729	0.7729	$5.563 \cdot 10^{-7}$	8.69	8.69	$1.128 \cdot 10^{-6}$
$Hz \to t\bar{t}$	-0.04013	-0.04013	$6.23 \cdot 10^{-7}$	3.642	3.642	$1.071 \cdot 10^{-6}$
$W^+ W^- \to Ht\bar{t}$	$5.042 \cdot 10^{-7}$	$5.042 \cdot 10^{-7}$	$5.157 \cdot 10^{-7}$	$2.572 \cdot 10^{-7}$	$2.572 \cdot 10^{-7}$	$1.089 \cdot 10^{-6}$
$b\bar{b} \to t\bar{t}$	0.004332	0.004332	$5.31 \cdot 10^{-7}$	0.001196	0.001196	$1.087 \cdot 10^{-6}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	-0.0007723	-0.0007723	$4.403 \cdot 10^{-7}$	0.001683	0.001683	$1.07 \cdot 10^{-6}$
$t\bar{t} \to \tau^+ \tau^-$	-0.00522	-0.00522	$4.981 \cdot 10^{-7}$	0.01605	0.01605	$1.059 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	-0.005852	-0.005852	$4.955 \cdot 10^{-7}$	0.01843	0.01843	$1.085 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	0.000497	0.000497	$7.445 \cdot 10^{-7}$	0.005331	0.005331	$1.05 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	0.0006122	0.0006122	$7.187 \cdot 10^{-7}$	0.005096	0.005096	$1.06 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	0.6349	0.6349	$5.355 \cdot 10^{-7}$	0.6387	0.6387	$1.065 \cdot 10^{-6}$

2.52 ctZI

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

	interference mod1	mod2	1−mod2/mod1	square mod1	mod2	1−mod2/mod1
$HH \to zt\bar{t}$	$-1.506 \cdot 10^{-6}$	$-1.506 \cdot 10^{-6}$	$6.642 \cdot 10^{-7}$	$7.856 \cdot 10^{-5}$	$7.856 \cdot 10^{-5}$	$1.069 \cdot 10^{-6}$
$HW^+ \to \gamma t\bar{b}$	$7.093 \cdot 10^{-6}$	$7.093 \cdot 10^{-6}$	$5.498 \cdot 10^{-7}$	$7.377 \cdot 10^{-6}$	$7.377 \cdot 10^{-6}$	$1.139 \cdot 10^{-6}$
$H\gamma \to t\bar{t}$	$-1.648 \cdot 10^{-17}$	$4.716 \cdot 10^{-18}$	1.286	8.69	8.69	$1.128 \cdot 10^{-6}$
$Hz \to t\bar{t}$	0.0002252	0.0002252	$5.328 \cdot 10^{-7}$	3.593	3.593	$1.085 \cdot 10^{-6}$
$W^+W^- \to Ht\bar{t}$	$3.697 \cdot 10^{-8}$	$3.697 \cdot 10^{-8}$	$5.409 \cdot 10^{-7}$	$1.523 \cdot 10^{-7}$	$1.523 \cdot 10^{-7}$	$1.116 \cdot 10^{-6}$
$b\bar{b} \to t\bar{t}$	$-2.178 \cdot 10^{-20}$	$1.672 \cdot 10^{-20}$	1.768	$8.984 \cdot 10^{-5}$	$8.983 \cdot 10^{-5}$	$1.069 \cdot 10^{-6}$
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-1.073 \cdot 10^{-19}$	$-3.738 \cdot 10^{-19}$	-2.483	0.001016	0.001016	$1.083 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$2.288 \cdot 10^{-19}$	$2.565 \cdot 10^{-19}$	-0.1214	0.01277	0.01277	$1.018 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$6.919 \cdot 10^{-7}$	0.01471	0.01471	$1.088 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-1.043 \cdot 10^{-15}$	$-1.045 \cdot 10^{-15}$	-0.001887	0.004225	0.004225	$1.065 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-4.955 \cdot 10^{-13}$	$-4.955 \cdot 10^{-13}$	$8.275 \cdot 10^{-7}$	0.00399	0.00399	$1.078 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	$2.424 \cdot 10^{-16}$	$-4.243 \cdot 10^{-16}$	2.751	0.6091	0.6091	$1.067 \cdot 10^{-6}$

2.53 ctb1

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \to t\bar{t}$	-0.0005001	-0.0005001	$-5.999 \cdot 10^{-8}$	0.001274	0.001274	0

2.54 ctb8

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{b} \to t\bar{t}$	0.03277	0.03277	0	0.004486	0.004486	0

2.55 ctd1

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	-0.04292	-0.04292	$-4.659 \cdot 10^{-8}$	0.7445	0.7445	0
$t\bar{t} \to s\bar{s}$	-0.02772	-0.02772	$-7.214 \cdot 10^{-8}$	0.4783	0.4783	0

2.56 ctd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	0.5097	0.5097	0	0.1655	0.1655	0
$t\bar{t} \to s\bar{s}$	0.3344	0.3344	0	0.1063	0.1063	0

2.57 ctp

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$2.303 \cdot 10^{-5}$	$2.303 \cdot 10^{-5}$	0	$1.048 \cdot 10^{-5}$	$1.048 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	$4.649 \cdot 10^{-7}$	$4.649 \cdot 10^{-7}$	0	$1.661 \cdot 10^{-6}$	$1.661 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$-2.386 \cdot 10^{-6}$	$-2.386 \cdot 10^{-6}$	0	$4.432 \cdot 10^{-6}$	$4.432 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$1.41 \cdot 10^{-6}$	$1.41 \cdot 10^{-6}$	0	$3.177 \cdot 10^{-7}$	$3.177 \cdot 10^{-7}$	$-3.147 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	0.09425	0.09425	0	0.05191	0.05191	0
$H\gamma \to t\bar{t}$	-0.07337	-0.07337	$-2.726 \cdot 10^{-8}$	0.002251	0.002251	$-4.442 \cdot 10^{-8}$
$Hz \to t\bar{t}$	0.003576	0.003576	$-1.957 \cdot 10^{-7}$	0.06905	0.06905	0
$W^+W^- \to Hb\bar{b}$	$-1.225 \cdot 10^{-7}$	$-1.225 \cdot 10^{-7}$	0	$2.749 \cdot 10^{-8}$	$2.749 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$3.188 \cdot 10^{-7}$	$3.188 \cdot 10^{-7}$	0	$4.1 \cdot 10^{-7}$	$4.1 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$-1.32 \cdot 10^{-5}$	$-1.32 \cdot 10^{-5}$	0	$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$-1.013 \cdot 10^{-6}$	$-1.013 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
$t\bar{t} \to t\bar{t}$	0.1357	0.1357	0	0.009029	0.009029	0

2.58 ctpI

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$-1.806 \cdot 10^{-5}$	$-1.806 \cdot 10^{-5}$	0		$2.812 \cdot 10^{-5}$	$2.812 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	$4.257 \cdot 10^{-7}$	$4.257 \cdot 10^{-7}$	$-2.349 \cdot 10^{-8}$		$3.599 \cdot 10^{-6}$	$3.599 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$1.808 \cdot 10^{-7}$	$1.808 \cdot 10^{-7}$	0		$3.373 \cdot 10^{-6}$	$3.373 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$1.851 \cdot 10^{-6}$	$1.851 \cdot 10^{-6}$	0		$3.622 \cdot 10^{-7}$	$3.622 \cdot 10^{-7}$	$-5.522 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	-0.0009712	-0.0009712	$1.03 \cdot 10^{-8}$		0.05847	0.05847	0
$H\gamma \to t\bar{t}$	$-1.064 \cdot 10^{-18}$	$3.594 \cdot 10^{-19}$	1.338		0.0028	0.0028	$-3.571 \cdot 10^{-8}$
$Hz \to t\bar{t}$	$9.347 \cdot 10^{-5}$	$9.347 \cdot 10^{-5}$	$9.629 \cdot 10^{-8}$		0.06889	0.06889	0
$W^+W^- \to Hb\bar{b}$	$1.787 \cdot 10^{-6}$	$1.787 \cdot 10^{-6}$	0		$5.46 \cdot 10^{-8}$	$5.46 \cdot 10^{-8}$	$1.831 \cdot 10^{-8}$
$W^+W^- \to Ht\bar{t}$	$2.884 \cdot 10^{-7}$	$2.884 \cdot 10^{-7}$	0		$6.964 \cdot 10^{-7}$	$6.964 \cdot 10^{-7}$	$-1.436 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	$1.45 \cdot 10^{-21}$	$5.294 \cdot 10^{-22}$	0.6349		$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$-3.906 \cdot 10^{-25}$	$-3.182 \cdot 10^{-24}$	-7.147		$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
$t\bar{t} \to t\bar{t}$	$-2.124 \cdot 10^{-18}$	$5.931 \cdot 10^{-18}$	3.793		0.004907	0.004907	0

2.59 ctq1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.0163	0.0163	0		0.3515	0.3515	0
$t\bar{t} \to d\bar{d}$	-0.005239	-0.005239	$1.909 \cdot 10^{-8}$		0.0278	0.0278	0
$t\bar{t} \to s\bar{s}$	-0.002724	-0.002724	$1.101 \cdot 10^{-7}$		0.1142	0.1142	0

2.60 ctq8

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

	0.636	0.636	0		0.208	0.208	0
$t\bar{t} \to c\bar{c}$	0.636	0.636	0		0.208	0.208	0
$t\bar{t} \to d\bar{d}$	0.4702	0.4702	0		0.1521	0.1521	0
$t\bar{t} \to s\bar{s}$	0.3901	0.3901	0		0.1251	0.1251	0

2.61 ctt1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to t\bar{t}$	-8.334	-8.334	$-1.2 \cdot 10^{-8}$	20.2	20.2	0

2.62 ctu1

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.02637	0.02637	$-3.792 \cdot 10^{-8}$	0.2237	0.2237	0

2.63 ctu8

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.1451	0.1451	0	0.04238	0.04238	0

2.64 sm

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to HH$	0	0	0	0.1534	0.1534	0
$HH \to HHH$	0	0	0	$4.842 \cdot 10^{-8}$	$4.842 \cdot 10^{-8}$	0

$HH \to H\tau^+\tau^-$	0	0	0	$4.942 \cdot 10^{-11}$	$4.942 \cdot 10^{-11}$	0
$HH \to Hb\bar{b}$	0	0	0	$5.049 \cdot 10^{-9}$	$5.049 \cdot 10^{-9}$	0
$HH \to Ht\bar{t}$	0	0	0	$2.709 \cdot 10^{-5}$	$2.709 \cdot 10^{-5}$	0
$HH \to Hzz$	0	0	0	$1.871 \cdot 10^{-5}$	$1.871 \cdot 10^{-5}$	0
$HH \to W^+W^-$	0	0	0	0.1397	0.1397	$7.16 \cdot 10^{-8}$
$HH \to W^+W^-\gamma$	0	0	0	$3.912 \cdot 10^{-6}$	$3.912 \cdot 10^{-6}$	$2.556 \cdot 10^{-8}$
$HH \to W^+\bar{t}b$	0	0	0	$2.99 \cdot 10^{-6}$	$2.99 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$9.541 \cdot 10^{-7}$	$9.541 \cdot 10^{-7}$	$4.192 \cdot 10^{-8}$
$HH \to W^-u\bar{d}$	0	0	0	$1.074 \cdot 10^{-6}$	$1.074 \cdot 10^{-6}$	$9.308 \cdot 10^{-8}$
$HH \to z\bar{b}b$	0	0	0	$1.653 \cdot 10^{-5}$	$1.653 \cdot 10^{-5}$	$6.051 \cdot 10^{-8}$
$HH \to z\nu_e\bar{\nu}_e$	0	0	0	$8.054 \cdot 10^{-8}$	$8.054 \cdot 10^{-8}$	0
$HH \to zc\bar{c}$	0	0	0	$1.317 \cdot 10^{-7}$	$1.317 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	0	0	0	$2.723 \cdot 10^{-5}$	$2.723 \cdot 10^{-5}$	$3.673 \cdot 10^{-8}$
$HH \to ze^+e^-$	0	0	0	$1.801 \cdot 10^{-7}$	$1.801 \cdot 10^{-7}$	0
$HH \to zt\bar{t}$	0	0	0	$2.299 \cdot 10^{-5}$	$2.299 \cdot 10^{-5}$	0
$HH \to zz$	0	0	0	0.07616	0.07616	0
$HW^+ \to \gamma t\bar{b}$	0	0	0	$4.043 \cdot 10^{-6}$	$4.043 \cdot 10^{-6}$	$-2.473 \cdot 10^{-8}$
$HW^+ \to \gamma u\bar{d}$	0	0	0	$3.318 \cdot 10^{-8}$	$3.318 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	0	0	0	0.01741	0.01741	$5.745 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	0	0	0	0.429	0.429	0
$HW^- \to \gamma e^-\bar{\nu}_e$	0	0	0	$3.309 \cdot 10^{-6}$	$3.309 \cdot 10^{-6}$	$3.022 \cdot 10^{-8}$
$HW^- \to \mu^-\bar{\nu}_\mu$	0	0	0	0.00637	0.00637	$3.14 \cdot 10^{-8}$
$H\gamma \to b\bar{b}$	0	0	0	0.0001058	0.0001058	$-9.452 \cdot 10^{-8}$
$H\gamma \to t\bar{t}$	0	0	0	0.4547	0.4547	$-4.399 \cdot 10^{-8}$
$Hz \to \mu^+\mu^-$	0	0	0	0.002501	0.002501	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.005481	0.005481	0
$Hz \to b\bar{b}$	0	0	0	0.008332	0.008332	$2.4 \cdot 10^{-8}$
$Hz \to s\bar{s}$	0	0	0	0.01352	0.01352	0
$Hz \to t\bar{t}$	0	0	0	2.821	2.821	$3.545 \cdot 10^{-8}$

$Hz \to u\bar{u}$	0	0	0	0.01127	0.01127	0
$W^+W^- \to Hb\bar{b}$	0	0	0	$3.854 \cdot 10^{-5}$	$3.854 \cdot 10^{-5}$	$2.594 \cdot 10^{-8}$
$W^+W^- \to Hc\bar{c}$	0	0	0	$7.86 \cdot 10^{-7}$	$7.86 \cdot 10^{-7}$	$3.817 \cdot 10^{-8}$
$W^+W^- \to Hd\bar{d}$	0	0	0	$2.957 \cdot 10^{-7}$	$2.957 \cdot 10^{-7}$	$3.382 \cdot 10^{-8}$
$W^+W^- \to Ht\bar{t}$	0	0	0	$3.823 \cdot 10^{-5}$	$3.823 \cdot 10^{-5}$	$5.232 \cdot 10^{-8}$
$W^+W^- \to W^+W^-$	0	0	0	64.68	64.68	$4.638 \cdot 10^{-8}$
$W^+W^- \to \gamma\gamma$	0	0	0	1.27	1.27	$-7.871 \cdot 10^{-8}$
$W^+W^- \to \gamma\gamma\gamma$	0	0	0	$3.061 \cdot 10^{-7}$	$3.061 \cdot 10^{-7}$	$-9.801 \cdot 10^{-8}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.001922	0.001922	0
$\gamma W^+ \to zW^+$	0	0	0	0.3531	0.3531	0
$\mu^+\mu^- \to \tau^+\tau^-$	0	0	0	0.02171	0.02171	$-4.606 \cdot 10^{-8}$
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	0	0	0	$9.864 \cdot 10^{-6}$	$9.864 \cdot 10^{-6}$	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.007074	0.007074	0
$b\bar{b} \to \gamma\gamma$	0	0	0	0.0009875	0.0009875	$-7.089 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	0	0	0	0.002972	0.002972	$3.365 \cdot 10^{-8}$
$b\bar{b} \to \nu_e\bar{\nu}_e$	0	0	0	0.001825	0.001825	$5.48 \cdot 10^{-8}$
$b\bar{b} \to b\bar{b}$	0	0	0	2.267	2.267	0
$b\bar{b} \to d\bar{d}$	0	0	0	0.6724	0.6724	0
$b\bar{b} \to t\bar{t}$	0	0	0	0.4485	0.4485	0
$b\bar{b} \to u\bar{u}$	0	0	0	0.7941	0.7941	0
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.004172	0.004172	$2.397 \cdot 10^{-8}$
$c\bar{c} \to \mu^+\mu^-$	0	0	0	0.006625	0.006625	$-3.019 \cdot 10^{-8}$
$c\bar{s} \to \tau^+\nu_\tau$	0	0	0	0.009154	0.009154	$3.277 \cdot 10^{-8}$
$d\bar{d} \to c\bar{c}$	0	0	0	0.6579	0.6579	0
$d\bar{d} \to e^+e^-$	0	0	0	0.0003134	0.0003134	$-6.381 \cdot 10^{-8}$
$d\bar{d} \to s\bar{s}$	0	0	0	0.4908	0.4908	0
$e^+\nu_\mu \to e^+\nu_\mu$	0	0	0	0.007448	0.007448	$-8.056 \cdot 10^{-8}$
$e^+\nu_e \to \mu^+\nu_\mu$	0	0	0	0.002201	0.002201	$4.544 \cdot 10^{-8}$
$e^+\nu_e \to e^+\nu_e$	0	0	0	0.004347	0.004347	$-1.15 \cdot 10^{-7}$

$e^+\tau^- \to e^+\tau^-$	0	0	0	0.2938	0.2938	$-6.806 \cdot 10^{-8}$
$e^+e^- \to \mu^+\mu^-$	0	0	0	0.008386	0.008386	$-5.962 \cdot 10^{-8}$
$e^+e^- \to e^+e^-$	0	0	0	2.278	2.278	$-8.778 \cdot 10^{-8}$
$gg \to gg$	0	0	0	33.39	33.39	0
$gg \to ggg$	0	0	0	0.01625	0.01625	0
$gg \to t\bar{t}$	0	0	0	0.6729	0.6729	0
$gg \to u\bar{u}$	0	0	0	0.3362	0.3362	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.00112	0.00112	0
$s\bar{s} \to s\bar{s}$	0	0	0	13.92	13.92	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.001956	0.001956	$5.112 \cdot 10^{-8}$
$t\bar{t} \to \tau^+\tau^-$	0	0	0	0.00672	0.00672	$-1.488 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	0	0	0	0.5899	0.5899	0
$t\bar{t} \to d\bar{d}$	0	0	0	0.8195	0.8195	0
$t\bar{t} \to s\bar{s}$	0	0	0	0.6411	0.6411	0
$t\bar{t} \to t\bar{t}$	0	0	0	17.41	17.41	0
$u\bar{d} \to \mu^+\nu_\mu$	0	0	0	0.005739	0.005739	$3.485 \cdot 10^{-8}$
$u\bar{d} \to c\bar{s}$	0	0	0	$1.041 \cdot 10^{-5}$	$1.041 \cdot 10^{-5}$	$9.604 \cdot 10^{-8}$
$u\bar{d} \to u\bar{d}$	0	0	0	18.87	18.87	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0	0	0	0.001371	0.001371	$7.296 \cdot 10^{-8}$
$u\bar{u} \to c\bar{c}$	0	0	0	0.629	0.629	0
$u\bar{u} \to u\bar{u}$	0	0	0	267.5	267.5	0
$zz \to W^+W^-$	0	0	0	51.74	51.74	$7.731 \cdot 10^{-8}$
$zz \to zz$	0	0	0	0.08149	0.08149	0