

1 By process

1.1 $HH \rightarrow HH$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.1402	0.1402	0

1.2 $HH \rightarrow HHH$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.006 \cdot 10^{-6}$	$1.006 \cdot 10^{-6}$	0

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

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.395 \cdot 10^{-11}$	$3.395 \cdot 10^{-11}$	0

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

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.198 \cdot 10^{-8}$	$1.198 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctp	$4.158 \cdot 10^{-5}$	$-8.69 \cdot 10^{-6}$	1.209	$2.249 \cdot 10^{-5}$	$1.528 \cdot 10^{-6}$	0.932
ctpI	$7.061 \cdot 10^{-6}$	$1.165 \cdot 10^{-6}$	0.835	$5.556 \cdot 10^{-5}$	$4.833 \cdot 10^{-6}$	0.913
sm	0	0	0	$3.272 \cdot 10^{-5}$	$3.272 \cdot 10^{-5}$	0

1.6 $HH \rightarrow Hzz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$7.799 \cdot 10^{-6}$	$7.799 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.09331	0.09331	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.832 \cdot 10^{-7}$	$1.832 \cdot 10^{-7}$	$-5.46 \cdot 10^{-8}$

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

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

cbW	$-5.796 \cdot 10^{-8}$	$-5.796 \cdot 10^{-8}$	$-1.035 \cdot 10^{-7}$	$3.385 \cdot 10^{-5}$	$3.385 \cdot 10^{-5}$	0
cbWI	$1.754 \cdot 10^{-6}$	$1.754 \cdot 10^{-6}$	0	$3.385 \cdot 10^{-5}$	$3.385 \cdot 10^{-5}$	0
cpQ3	$-2.804 \cdot 10^{-6}$	$-4.989 \cdot 10^{-6}$	-0.7794	$3.382 \cdot 10^{-5}$	$2.37 \cdot 10^{-5}$	0.2992
cptb	$-2.092 \cdot 10^{-9}$	$4.963 \cdot 10^{-8}$	24.72	$1.006 \cdot 10^{-6}$	$1.597 \cdot 10^{-5}$	-14.88
cptbI	$3.726 \cdot 10^{-8}$	$2.375 \cdot 10^{-8}$	0.3627	$8.455 \cdot 10^{-6}$	$5.928 \cdot 10^{-6}$	0.2989
ctW	$1.036 \cdot 10^{-5}$	$1.036 \cdot 10^{-5}$	0	$1.216 \cdot 10^{-5}$	$1.216 \cdot 10^{-5}$	0
ctWI	$-7.513 \cdot 10^{-7}$	$-7.513 \cdot 10^{-7}$	0	$2.108 \cdot 10^{-5}$	$2.108 \cdot 10^{-5}$	0
ctp	$1.574 \cdot 10^{-7}$	$1.574 \cdot 10^{-7}$	0	$5.876 \cdot 10^{-7}$	$5.876 \cdot 10^{-7}$	0
ctpI	$-1.003 \cdot 10^{-7}$	$-1.003 \cdot 10^{-7}$	0	$2.363 \cdot 10^{-6}$	$2.363 \cdot 10^{-6}$	0
sm	0	0	0	$4.073 \cdot 10^{-6}$	$4.073 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$6.166 \cdot 10^{-8}$	$6.166 \cdot 10^{-8}$	$1.622 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$2.011 \cdot 10^{-7}$	$2.011 \cdot 10^{-7}$	$4.973 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-2.449 \cdot 10^{-7}$	$-2.449 \cdot 10^{-7}$	$4.083 \cdot 10^{-8}$	$4.512 \cdot 10^{-6}$	$4.512 \cdot 10^{-6}$	$2.216 \cdot 10^{-8}$

cbWI	$1.854 \cdot 10^{-8}$	$1.854 \cdot 10^{-8}$	0	$4.492 \cdot 10^{-6}$	$4.492 \cdot 10^{-6}$	$2.226 \cdot 10^{-8}$
cpQ3	$1.685 \cdot 10^{-6}$	$2.276 \cdot 10^{-6}$	-0.3513	$2.621 \cdot 10^{-6}$	$9.492 \cdot 10^{-5}$	-35.22
cpQM	$1.727 \cdot 10^{-6}$	$8.496 \cdot 10^{-6}$	-3.919	$1.01 \cdot 10^{-6}$	$4.346 \cdot 10^{-5}$	-42.02
cpb	$-2.561 \cdot 10^{-7}$	$-4.194 \cdot 10^{-7}$	-0.6379	$1.637 \cdot 10^{-6}$	$1.599 \cdot 10^{-5}$	-8.768
sm	0	0	0	$3.108 \cdot 10^{-7}$	$3.108 \cdot 10^{-7}$	$3.217 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.694 \cdot 10^{-7}$	$1.694 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.898 \cdot 10^{-7}$	$3.898 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$8.43 \cdot 10^{-7}$	$8.43 \cdot 10^{-7}$	$1.186 \cdot 10^{-8}$

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

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

sm	0	0	0	$9.821 \cdot 10^{-8}$	$9.821 \cdot 10^{-8}$	0
----	---	---	---	-----------------------	-----------------------	---

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpQM	$3.656 \cdot 10^{-5}$	$3.408 \cdot 10^{-5}$	0.06794	$3.148 \cdot 10^{-5}$	$9.48 \cdot 10^{-5}$	-2.012
cpt	$-3.862 \cdot 10^{-5}$	$-4.136 \cdot 10^{-5}$	-0.07077	$4.9 \cdot 10^{-5}$	0.0001131	-1.308
ctW	$1.173 \cdot 10^{-12}$	0	1	$1.727 \cdot 10^{-17}$	0	1
ctWI	$9.01 \cdot 10^{-13}$	0	1	$1.293 \cdot 10^{-17}$	0	1
ctZ	$7.838 \cdot 10^{-7}$	$7.838 \cdot 10^{-7}$	$5.742 \cdot 10^{-7}$	$4.568 \cdot 10^{-5}$	$4.568 \cdot 10^{-5}$	$1.095 \cdot 10^{-6}$
ctZI	$-3.559 \cdot 10^{-6}$	$-3.559 \cdot 10^{-6}$	$5.9 \cdot 10^{-7}$	$3.773 \cdot 10^{-5}$	$3.773 \cdot 10^{-5}$	$1.087 \cdot 10^{-6}$
ctp	$-5.869 \cdot 10^{-6}$	$-5.869 \cdot 10^{-6}$	$-1.704 \cdot 10^{-8}$	$4.119 \cdot 10^{-6}$	$4.119 \cdot 10^{-6}$	0
ctpI	$-1.037 \cdot 10^{-7}$	$-1.037 \cdot 10^{-7}$	0	$3.209 \cdot 10^{-6}$	$3.209 \cdot 10^{-6}$	0
sm	0	0	0	$3.23 \cdot 10^{-5}$	$3.23 \cdot 10^{-5}$	0

1.18 $HH \rightarrow zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.07635	0.07635	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-1.95 \cdot 10^{-8}$	$3.048 \cdot 10^{-7}$	16.63	$5.666 \cdot 10^{-7}$	$9.314 \cdot 10^{-6}$	-15.44
cbWI	$-4.077 \cdot 10^{-8}$	$-6.916 \cdot 10^{-8}$	-0.6962	$5.665 \cdot 10^{-7}$	$9.312 \cdot 10^{-6}$	-15.44

cpQ3	$-3.665 \cdot 10^{-7}$	$-3.665 \cdot 10^{-7}$	$-2.729 \cdot 10^{-8}$	$4.975 \cdot 10^{-7}$	$4.975 \cdot 10^{-7}$	$-2.01 \cdot 10^{-8}$
cptb	$-5.286 \cdot 10^{-8}$	$-5.286 \cdot 10^{-8}$	0	$1.535 \cdot 10^{-7}$	$1.535 \cdot 10^{-7}$	$-6.515 \cdot 10^{-8}$
cptbI	$6.737 \cdot 10^{-9}$	$6.737 \cdot 10^{-9}$	0	$1.244 \cdot 10^{-7}$	$1.244 \cdot 10^{-7}$	0
ctW	$-5.754 \cdot 10^{-6}$	$-7.157 \cdot 10^{-6}$	-0.2438	$1.052 \cdot 10^{-5}$	$3.364 \cdot 10^{-5}$	-2.199
ctWI	$7.083 \cdot 10^{-6}$	$4.729 \cdot 10^{-6}$	0.3323	$1.572 \cdot 10^{-5}$	$1.574 \cdot 10^{-5}$	-0.0008883
ctZ	$3.532 \cdot 10^{-6}$	$3.532 \cdot 10^{-6}$	$5.379 \cdot 10^{-7}$	$1.754 \cdot 10^{-5}$	$1.754 \cdot 10^{-5}$	$1.083 \cdot 10^{-6}$
ctZI	$9.943 \cdot 10^{-6}$	$9.943 \cdot 10^{-6}$	$5.632 \cdot 10^{-7}$	$1.644 \cdot 10^{-5}$	$1.644 \cdot 10^{-5}$	$1.095 \cdot 10^{-6}$
ctp	$-1.133 \cdot 10^{-7}$	$-1.133 \cdot 10^{-7}$	0	$2.108 \cdot 10^{-8}$	$2.108 \cdot 10^{-8}$	0
ctpI	$-9.555 \cdot 10^{-8}$	$-9.555 \cdot 10^{-8}$	$-1.047 \cdot 10^{-8}$	$6.41 \cdot 10^{-8}$	$6.41 \cdot 10^{-8}$	0
sm	0	0	0	$1.508 \cdot 10^{-6}$	$1.508 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.175 \cdot 10^{-8}$	$1.175 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.007805	0.007805	$1.281 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	0.006092	0.006092	0	2.252	2.252	0
cbWI	$1.082 \cdot 10^{-7}$	$1.082 \cdot 10^{-7}$	0	2.252	2.252	0

cpQ3	-1.402	-1.402	0	0.2192	0.2192	0
cptb	-0.05336	-0.05336	0	0.4879	0.4879	0
cptbI	$-1.161 \cdot 10^{-5}$	$-1.161 \cdot 10^{-5}$	0	0.0548	0.0548	0
ctW	-0.2635	-0.2635	$3.796 \cdot 10^{-8}$	2.275	2.275	0
ctWI	-0.003076	-0.003076	0	0.1605	0.1605	0
ctp	-0.3348	-0.3348	0	0.04073	0.04073	$2.455 \cdot 10^{-8}$
ctpI	-0.004445	-0.004445	0	0.04336	0.04336	0
sm	0	0	0	0.208	0.208	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.857 \cdot 10^{-9}$	$1.857 \cdot 10^{-9}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.007413	0.007413	$1.349 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-1.387 \cdot 10^{-6}$	$-1.387 \cdot 10^{-6}$	$-7.212 \cdot 10^{-8}$	0.6934	0.6934	$-1.442 \cdot 10^{-8}$
cbWI	$3.145 \cdot 10^{-19}$	$3.143 \cdot 10^{-19}$	0.0006312	0.6934	0.6934	$-1.442 \cdot 10^{-8}$
sm	0	0	0	0.0004266	0.0004266	$-2.344 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctW	-0.7768	-0.7768	$5.922 \cdot 10^{-7}$	12.61	12.61	$1.189 \cdot 10^{-6}$
ctWI	$-5.529 \cdot 10^{-18}$	$-1.897 \cdot 10^{-17}$	-2.431	13.96	13.96	$1.218 \cdot 10^{-6}$
ctZ	0.6024	0.6024	$5.478 \cdot 10^{-7}$	10.7	10.7	$1.122 \cdot 10^{-6}$
ctZI	$-1.084 \cdot 10^{-18}$	$3.253 \cdot 10^{-18}$	4	7.534	7.534	$1.115 \cdot 10^{-6}$
ctp	-0.05652	-0.05652	$-1.769 \cdot 10^{-8}$	0.001734	0.001734	$-5.766 \cdot 10^{-8}$
ctpI	$-8.66 \cdot 10^{-19}$	$-7.14 \cdot 10^{-21}$	0.9918	0.002182	0.002182	0
sm	0	0	0	2.544	2.544	0

1.27 $HZ \rightarrow \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.003303	0.003303	0

1.28 $HZ \rightarrow \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.006576	0.006576	0

1.29 $HZ \rightarrow b\bar{b}$

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

cbW	0.001427	0.001427	0	1.267	1.267	0
cbWI	$3.477 \cdot 10^{-6}$	$3.477 \cdot 10^{-6}$	0	1.267	1.267	0
cpQ3	0.3894	0.3894	0	3.389	3.389	0
cpQM	0.1953	0.1953	0	0.8498	0.8498	0
cpb	-0.03515	-0.03515	$-2.845 \cdot 10^{-8}$	0.8589	0.8589	0
sm	0	0	0	0.01304	0.01304	0

1.30 $H_z \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01215	0.01215	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpQM	2.065	2.065	0	1.133	1.133	0
cpt	-2.201	-2.201	0	1.298	1.298	0
ctW	$2.552 \cdot 10^{-8}$	0	1	$1.669 \cdot 10^{-12}$	0	1
ctWI	$-2.38 \cdot 10^{-10}$	0	1	$1.497 \cdot 10^{-12}$	0	1
ctZ	-0.04646	-0.04646	$5.812 \cdot 10^{-7}$	3.393	3.393	$1.091 \cdot 10^{-6}$
ctZI	-0.0004817	-0.0004817	$5.398 \cdot 10^{-7}$	2.997	2.997	$1.101 \cdot 10^{-6}$
ctp	-0.000363	-0.000363	$8.539 \cdot 10^{-7}$	0.0685	0.0685	0
ctpI	0.0001586	0.0001586	$6.304 \cdot 10^{-8}$	0.06834	0.06834	0
sm	0	0	0	3.883	3.883	0

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

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.011	0.011	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-6.562 \cdot 10^{-7}$	$-2.625 \cdot 10^{-5}$	-39.01	$1.869 \cdot 10^{-5}$	0.0004688	-24.09
cbWI	$2.628 \cdot 10^{-7}$	$-1.031 \cdot 10^{-6}$	4.923	$1.869 \cdot 10^{-5}$	0.0004685	-24.07
cpQ3	$3.142 \cdot 10^{-6}$	$3.142 \cdot 10^{-6}$	$6.366 \cdot 10^{-8}$	$9.492 \cdot 10^{-7}$	$9.492 \cdot 10^{-7}$	$1.054 \cdot 10^{-8}$
cpQM	$2.693 \cdot 10^{-5}$	$2.693 \cdot 10^{-5}$	0	$7.034 \cdot 10^{-7}$	$7.034 \cdot 10^{-7}$	$1.422 \cdot 10^{-8}$
cpb	$-3.677 \cdot 10^{-8}$	$-3.677 \cdot 10^{-8}$	0	$4.553 \cdot 10^{-7}$	$4.553 \cdot 10^{-7}$	0
cptb	$-7.695 \cdot 10^{-8}$	$-7.695 \cdot 10^{-8}$	0	$4.273 \cdot 10^{-7}$	$4.273 \cdot 10^{-7}$	0
cptbI	$4.626 \cdot 10^{-8}$	$4.626 \cdot 10^{-8}$	$2.162 \cdot 10^{-8}$	$2.151 \cdot 10^{-7}$	$2.151 \cdot 10^{-7}$	0
ctW	$1.078 \cdot 10^{-6}$	$1.078 \cdot 10^{-6}$	0	$3.197 \cdot 10^{-6}$	$3.197 \cdot 10^{-6}$	0
ctWI	$2.29 \cdot 10^{-5}$	$2.29 \cdot 10^{-5}$	0	$3.197 \cdot 10^{-6}$	$3.197 \cdot 10^{-6}$	0
ctp	$8.221 \cdot 10^{-6}$	$8.221 \cdot 10^{-6}$	0	$1.427 \cdot 10^{-7}$	$1.427 \cdot 10^{-7}$	0
ctpI	$1.67 \cdot 10^{-6}$	$1.67 \cdot 10^{-6}$	0	$9.493 \cdot 10^{-9}$	$9.493 \cdot 10^{-9}$	$1.053 \cdot 10^{-8}$
sm	0	0	0	$3.201 \cdot 10^{-6}$	$3.201 \cdot 10^{-6}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.711 \cdot 10^{-7}$	$3.711 \cdot 10^{-7}$	$2.695 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$9.35 \cdot 10^{-7}$	$9.35 \cdot 10^{-7}$	$1.069 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$1.83 \cdot 10^{-7}$	$1.83 \cdot 10^{-7}$	0	$2.081 \cdot 10^{-8}$	$2.081 \cdot 10^{-8}$	0
cbWI	$-2.718 \cdot 10^{-8}$	$-2.718 \cdot 10^{-8}$	0	$2.149 \cdot 10^{-8}$	$2.149 \cdot 10^{-8}$	0
cpQ3	$2.475 \cdot 10^{-5}$	$2.475 \cdot 10^{-5}$	0	$1.11 \cdot 10^{-5}$	$1.11 \cdot 10^{-5}$	0
cpQM	$-1.137 \cdot 10^{-6}$	$-1.137 \cdot 10^{-6}$	$8.792 \cdot 10^{-8}$	$5.587 \cdot 10^{-7}$	$5.587 \cdot 10^{-7}$	0
cpt	$1.796 \cdot 10^{-6}$	$1.796 \cdot 10^{-6}$	0	$6.022 \cdot 10^{-7}$	$6.022 \cdot 10^{-7}$	0
cptb	$2.805 \cdot 10^{-8}$	$2.805 \cdot 10^{-8}$	0	$9.604 \cdot 10^{-10}$	$9.604 \cdot 10^{-10}$	$-1.041 \cdot 10^{-8}$
cptbI	$1.223 \cdot 10^{-9}$	$1.223 \cdot 10^{-9}$	0	$1.399 \cdot 10^{-9}$	$1.399 \cdot 10^{-9}$	0
ctW	$2.206 \cdot 10^{-6}$	$3.86 \cdot 10^{-5}$	-16.5	$3.044 \cdot 10^{-5}$	0.002149	-69.61
ctWI	$-5.084 \cdot 10^{-6}$	$-2.379 \cdot 10^{-5}$	-3.678	$2.342 \cdot 10^{-5}$	0.002419	-102.3
ctZ	$-1.286 \cdot 10^{-7}$	$-1.286 \cdot 10^{-7}$	$5.443 \cdot 10^{-7}$	$6.193 \cdot 10^{-8}$	$6.193 \cdot 10^{-8}$	$1.098 \cdot 10^{-6}$
ctZI	$-3.07 \cdot 10^{-7}$	$-3.07 \cdot 10^{-7}$	$5.538 \cdot 10^{-7}$	$3.47 \cdot 10^{-8}$	$3.47 \cdot 10^{-8}$	$1.095 \cdot 10^{-6}$
ctp	$-4.938 \cdot 10^{-8}$	$-4.938 \cdot 10^{-8}$	$2.025 \cdot 10^{-8}$	$4.337 \cdot 10^{-8}$	$4.337 \cdot 10^{-8}$	0
ctpI	$2.453 \cdot 10^{-11}$	$2.453 \cdot 10^{-11}$	$2.516 \cdot 10^{-5}$	$1.28 \cdot 10^{-7}$	$1.28 \cdot 10^{-7}$	0
sm	0	0	0	0.0002109	0.0002109	0

1.37 $W^+W^- \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	17.94	17.94	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.2446	0.2446	$-4.089 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$9.386 \cdot 10^{-7}$	$9.386 \cdot 10^{-7}$	$-4.262 \cdot 10^{-8}$

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

	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	$3.08 \cdot 10^{-6}$
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	0.09356	0.09356	$1.069 \cdot 10^{-8}$	0.4422	0.4422	0
cQq83	$-6.081 \cdot 10^{-18}$	$3.892 \cdot 10^{-20}$	1.006	0.6616	0.6616	0
cQtqd1	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
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	$2.934 \cdot 10^{-6}$

cbQqd8I	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
cbW	0.0001548	0.0001548	0	0.01198	0.01198	0
cbWI	$9.36 \cdot 10^{-20}$	$8.907 \cdot 10^{-20}$	0.04839	0.01198	0.01198	0
cbtud1	0	0	0	0.1106	0.1106	$6.06 \cdot 10^{-6}$
cbtud1I	0	0	0	0.7443	0.7443	$6.1 \cdot 10^{-6}$
cbtud8	0	0	0	0.03045	0.03045	$5.911 \cdot 10^{-6}$
cbtud8I	0	0	0	0.03045	0.03045	$5.911 \cdot 10^{-6}$
cpQ3	0.0007437	0.0007437	$1.345 \cdot 10^{-8}$	$2.254 \cdot 10^{-5}$	$2.254 \cdot 10^{-5}$	0
cptb	$-2.193 \cdot 10^{-6}$	$-2.193 \cdot 10^{-6}$	0	$9.443 \cdot 10^{-7}$	$9.443 \cdot 10^{-7}$	$1.059 \cdot 10^{-8}$
cptbI	$7.048 \cdot 10^{-21}$	$1.096 \cdot 10^{-21}$	0.8445	$1.708 \cdot 10^{-5}$	$1.708 \cdot 10^{-5}$	0
ctQqu1	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
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	0.01423	0.01423	0	0.007323	0.007323	$1.366 \cdot 10^{-8}$
ctWI	$1.766 \cdot 10^{-17}$	$1.362 \cdot 10^{-17}$	0.2283	0.01211	0.01211	0
sm	0	0	0	0.01649	0.01649	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.1316	0.1316	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01502	0.01502	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.02046	0.02046	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01912	0.01912	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$4.91 \cdot 10^{-6}$	$4.91 \cdot 10^{-6}$	$-2.037 \cdot 10^{-8}$	0.0006187	0.0006187	$-3.233 \cdot 10^{-8}$
cbWI	$-9.127 \cdot 10^{-23}$	$-1.547 \cdot 10^{-22}$	-0.6947	0.0006186	0.0006186	$-4.849 \cdot 10^{-8}$
sm	0	0	0	$8.06 \cdot 10^{-5}$	$8.06 \cdot 10^{-5}$	$-3.722 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQe2	-0.004145	-0.004145	$-2.413 \cdot 10^{-8}$	0.09497	0.09497	0
cQ132	0.03679	0.03679	$2.718 \cdot 10^{-8}$	0.3876	0.3876	0
cQ1M2	0.03224	0.03224	0	0.1698	0.1698	0
cbW	$4.572 \cdot 10^{-5}$	$4.572 \cdot 10^{-5}$	0	0.002081	0.002081	0

cbWI	$4.555 \cdot 10^{-16}$	$4.554 \cdot 10^{-16}$	0.0001682	0.00208	0.00208	0
cbLS2	0	0	0	0.1667	0.1667	0
cbLSI2	0	0	0	0.1667	0.1667	0
cpQ3	0.0001554	0.0001554	$6.436 \cdot 10^{-8}$	$1.162 \cdot 10^{-5}$	$1.162 \cdot 10^{-5}$	0
cpQM	0.0001067	0.0001067	0	$3.159 \cdot 10^{-6}$	$3.159 \cdot 10^{-6}$	0
cpb	$-1.906 \cdot 10^{-5}$	$-1.906 \cdot 10^{-5}$	$-1.049 \cdot 10^{-7}$	$2.9 \cdot 10^{-6}$	$2.9 \cdot 10^{-6}$	0
sm	0	0	0	0.001867	0.001867	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQlM1	-0.02137	-0.02137	0	0.09153	0.09153	0
cbW	$7.973 \cdot 10^{-5}$	$7.973 \cdot 10^{-5}$	$1.254 \cdot 10^{-8}$	0.0003012	0.0003012	$3.32 \cdot 10^{-8}$
cbWI	$2.823 \cdot 10^{-21}$	$2.818 \cdot 10^{-21}$	0.001661	0.0003008	0.0003008	$3.324 \cdot 10^{-8}$
cpQ3	0.0003584	0.0003584	0	$2.574 \cdot 10^{-5}$	$2.574 \cdot 10^{-5}$	0
cpQM	0.0006064	0.0006064	0	$2.177 \cdot 10^{-5}$	$2.177 \cdot 10^{-5}$	0
cpb	$-3.584 \cdot 10^{-6}$	$-3.584 \cdot 10^{-6}$	0	$7.001 \cdot 10^{-7}$	$7.001 \cdot 10^{-7}$	0
sm	0	0	0	0.0005568	0.0005568	0

1.48 $b\bar{b} \rightarrow b\bar{b}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.01732	-0.01732	0	0.1131	0.1131	0
cQQ8	-0.5114	-0.5114	0	0.1358	0.1358	0
cQb1	0.07938	0.07938	$-2.52 \cdot 10^{-8}$	2.209	2.209	0
cQb8	-5.649	-5.649	0	0.468	0.468	0
cbW	0.002453	0.002453	0	0.02843	0.02843	0

cbWI	$3.399 \cdot 10^{-18}$	$1.844 \cdot 10^{-18}$	0.4575	0.02843	0.02843	0
cpQ3	-0.08114	-0.08114	0	0.003053	0.003053	$3.275 \cdot 10^{-8}$
cpQM	-0.001786	-0.001786	0	$2.193 \cdot 10^{-5}$	$2.193 \cdot 10^{-5}$	0
cpb	0.01353	0.01353	0	0.0018	0.0018	0
sm	0	0	0	17.65	17.65	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd1	-0.00626	-0.00626	$-1.597 \cdot 10^{-8}$	0.4303	0.4303	0
cQd8	0.007356	0.007356	0	0.002478	0.002478	0
cQq11	0.05937	0.05937	$1.684 \cdot 10^{-8}$	0.2712	0.2712	0
cQq13	0.05937	0.05937	$1.684 \cdot 10^{-8}$	0.2712	0.2712	0
cQq81	0.07795	0.07795	0	0.0263	0.0263	0
cQq83	0.07795	0.07795	0	0.0263	0.0263	0
cbQqd1	-0.01371	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$
cbQqd1I	$-6.401 \cdot 10^{-19}$	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	$4.072 \cdot 10^{-20}$	0	1	0.1111	0.1111	$2.88 \cdot 10^{-6}$
cbW	0.0001144	0.0001144	0	0.006452	0.006452	0
cbWI	$9.713 \cdot 10^{-18}$	$9.835 \cdot 10^{-18}$	-0.01265	0.006451	0.006451	$1.55 \cdot 10^{-8}$
cpQ3	0.00248	0.00248	0	0.0001604	0.0001604	0
cpQM	0.0004247	0.0004247	0	$1.398 \cdot 10^{-5}$	$1.398 \cdot 10^{-5}$	0
cpb	$-4.87 \cdot 10^{-5}$	$-4.87 \cdot 10^{-5}$	$-2.054 \cdot 10^{-8}$	$2.176 \cdot 10^{-5}$	$2.176 \cdot 10^{-5}$	0
sm	0	0	0	0.6976	0.6976	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.3028	-0.3028	0	0.4278	0.4278	0
cQQ8	0.02144	0.02144	0	0.01011	0.01011	0
cQb1	-0.01056	-0.01056	0	0.6185	0.6185	0
cQb8	0.3913	0.3913	0	0.1255	0.1255	0
cQt1	-0.1361	-0.1361	0	0.1195	0.1195	0
cQt8	0.04736	0.04736	0	0.1255	0.1255	0
cQtQb1	-0.01362	-0.01362	0	0.5326	0.5326	0
cQtQb1I	$-8.271 \cdot 10^{-19}$	$-2.117 \cdot 10^{-20}$	0.9744	0.9932	0.9932	0
cQtQb8	0.002675	0.002675	0	0.1138	0.1138	0
cQtQb8I	$-2.697 \cdot 10^{-18}$	$-9.54 \cdot 10^{-19}$	0.6463	0.09435	0.09435	0
cbW	0.007274	0.007274	0	0.1866	0.1866	0
cbWI	$-2.296 \cdot 10^{-18}$	$-4.904 \cdot 10^{-19}$	0.7865	0.1866	0.1866	0
cpQ3	-0.005942	-0.005942	$-1.683 \cdot 10^{-8}$	0.003809	0.003809	0
cpQM	-0.0007467	-0.0007467	$-1.339 \cdot 10^{-8}$	$1.951 \cdot 10^{-6}$	$1.951 \cdot 10^{-6}$	0
cpb	$3.185 \cdot 10^{-5}$	$3.185 \cdot 10^{-5}$	0	$1.9 \cdot 10^{-5}$	$1.9 \cdot 10^{-5}$	0
cpt	-0.001803	-0.001803	0	$3.172 \cdot 10^{-5}$	$3.172 \cdot 10^{-5}$	0
cptb	-0.0002273	-0.0002273	0	0.0006334	0.0006334	$1.579 \cdot 10^{-8}$
cptbI	$-2.597 \cdot 10^{-21}$	$-1.357 \cdot 10^{-21}$	0.4773	0.0006147	0.0006147	0
ctG	0.06842	0.06842	0	0.04083	0.04083	0
ctGI	$-2.368 \cdot 10^{-17}$	$-3.645 \cdot 10^{-17}$	-0.5393	0.03138	0.03138	0
ctW	0.02282	0.02282	$-1.753 \cdot 10^{-7}$	0.02929	0.02929	$1.707 \cdot 10^{-7}$
ctWI	$-2.611 \cdot 10^{-19}$	$-8.132 \cdot 10^{-18}$	-30.15	0.02321	0.02321	$8.619 \cdot 10^{-8}$
ctZ	0.005282	0.005282	$5.49 \cdot 10^{-7}$	0.003689	0.003689	$1.084 \cdot 10^{-6}$
ctZI	$2.042 \cdot 10^{-18}$	$3.471 \cdot 10^{-18}$	-0.6998	0.003673	0.003673	$1.089 \cdot 10^{-6}$
ctb1	-0.02483	-0.02483	0	0.4278	0.4278	0
ctb8	0.06001	0.06001	0	0.01368	0.01368	0
ctp	$-1.313 \cdot 10^{-5}$	$-1.313 \cdot 10^{-5}$	0	$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0

ctpI	$-4.61 \cdot 10^{-22}$	$1.474 \cdot 10^{-22}$	1.32	$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
sm	0	0	0	1.208	1.208	0

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

	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	$-7.71 \cdot 10^{-19}$	0	1	0.5	0.5	$3.04 \cdot 10^{-6}$
cQbqu8	$-1.471 \cdot 10^{-24}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$
cQbqu8I	$-9.637 \cdot 10^{-20}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$
cQq11	-0.1073	-0.1073	0	0.5249	0.5249	0
cQq13	0.1073	0.1073	0	0.5249	0.5249	0
cQq81	0.06619	0.06619	0	0.02233	0.02233	0
cQq83	-0.06619	-0.06619	0	0.02233	0.02233	0
cQu1	0.01357	0.01357	0	0.4665	0.4665	0
cQu8	0.05	0.05	0	0.01687	0.01687	0
cbW	0.0001621	0.0001621	0	0.005147	0.005147	$1.943 \cdot 10^{-8}$
cbWI	$2.834 \cdot 10^{-18}$	$2.833 \cdot 10^{-18}$	$8.046 \cdot 10^{-5}$	0.005146	0.005146	0
cpQ3	0.0002195	0.0002195	0	$2.335 \cdot 10^{-5}$	$2.335 \cdot 10^{-5}$	$-4.283 \cdot 10^{-8}$
cpQM	0.0006251	0.0006251	$1.6 \cdot 10^{-8}$	$1.801 \cdot 10^{-5}$	$1.801 \cdot 10^{-5}$	$5.553 \cdot 10^{-8}$
cpb	$2.273 \cdot 10^{-5}$	$2.273 \cdot 10^{-5}$	0	$1.623 \cdot 10^{-5}$	$1.623 \cdot 10^{-5}$	$6.162 \cdot 10^{-8}$
sm	0	0	0	0.964	0.964	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQ131	0.2418	0.2418	0	1.143	1.143	0

cbW	0.0001396	0.0001396	0	0.001201	0.001201	0
cbWI	$2.641 \cdot 10^{-20}$	$-2.403 \cdot 10^{-21}$	1.091	0.001201	0.001201	0
cbLS1	0	0	0	0.08333	0.08333	0
cbLSI1	0	0	0	0.08333	0.08333	0
cpQ3	0.0008307	0.0008307	$1.204 \cdot 10^{-8}$	$2.518 \cdot 10^{-5}$	$2.518 \cdot 10^{-5}$	0
cptb	$-7.312 \cdot 10^{-7}$	$-7.312 \cdot 10^{-7}$	$1.368 \cdot 10^{-8}$	$1.816 \cdot 10^{-7}$	$1.816 \cdot 10^{-7}$	0
cptbI	$-6.137 \cdot 10^{-22}$	$5.845 \cdot 10^{-23}$	1.095	$1.556 \cdot 10^{-6}$	$1.556 \cdot 10^{-6}$	0
ctW	0.004947	0.004947	$2.021 \cdot 10^{-8}$	0.001994	0.001994	0
ctWI	$-3.599 \cdot 10^{-19}$	$4.34 \cdot 10^{-18}$	13.06	0.004019	0.004019	0
ctlS1	0	0	0	0.08333	0.08333	0
ctlSI1	0	0	0	0.08333	0.08333	0
ctlT1	0	0	0	0.857	0.857	0
ctlTI1	0	0	0	0.158	0.158	0
sm	0	0	0	0.001914	0.001914	$5.225 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0006914	0.0006914	$-2.893 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.008224	0.008224	$1.216 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.5901	0.5901	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0003563	0.0003563	0

1.57 $e^+\nu_\mu \rightarrow e^+\nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.02028	0.02028	$-4.931 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.03106	0.03106	$3.219 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01399	0.01399	0

1.60 $e^+\tau^- \rightarrow e^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0255	0.0255	$-3.921 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0196	0.0196	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.03371	0.03371	$-2.966 \cdot 10^{-8}$

1.63 $gg \rightarrow gg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	94.52	94.52	0

1.64 $gg \rightarrow ggg$

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

sm	0	0	0	4.503	4.503	0
----	---	---	---	-------	-------	---

1.65 $gg \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctG	0.7353	0.7353	0	0.1235	0.1235	0
ctGI	$-2.792 \cdot 10^{-18}$	$1.577 \cdot 10^{-17}$	6.648	0.1007	0.1007	0
sm	0	0	0	0.7574	0.7574	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.4279	0.4279	0

1.67 $s\bar{s} \rightarrow \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.001354	0.001354	0

1.68 $s\bar{s} \rightarrow s\bar{s}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	2.028	2.028	0

1.69 $t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQ132	0.004268	0.004268	$2.343 \cdot 10^{-8}$	0.06268	0.06268	0
cQ1M2	0.04163	0.04163	0	0.2231	0.2231	0
cpQM	$-1.629 \cdot 10^{-5}$	$-1.629 \cdot 10^{-5}$	0	$1.031 \cdot 10^{-6}$	$1.031 \cdot 10^{-6}$	0
cpt	$6.225 \cdot 10^{-5}$	$6.225 \cdot 10^{-5}$	$-3.213 \cdot 10^{-8}$	$7.587 \cdot 10^{-6}$	$7.587 \cdot 10^{-6}$	0
ctW	$2.87 \cdot 10^{-10}$	0	1	$1.038 \cdot 10^{-15}$	0	1
ctWI	$7.64 \cdot 10^{-25}$	0	1	$1.173 \cdot 10^{-15}$	0	1
ctZ	0.0005765	0.0005765	$6.071 \cdot 10^{-7}$	0.003288	0.003288	$1.095 \cdot 10^{-6}$
ctZI	$1.823 \cdot 10^{-18}$	$4.711 \cdot 10^{-19}$	0.7415	0.001605	0.001605	$1.121 \cdot 10^{-6}$
ctl2	-0.007424	-0.007424	$-2.694 \cdot 10^{-8}$	0.1079	0.1079	0
sm	0	0	0	0.001969	0.001969	0

1.70 $t\bar{t} \rightarrow \tau^+ \tau^-$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQe3	-0.01443	-0.01443	$-6.928 \cdot 10^{-8}$	0.3034	0.3034	0
cQ1M3	-0.05323	-0.05323	0	0.2254	0.2254	0
cpQM	$4.982 \cdot 10^{-5}$	$4.982 \cdot 10^{-5}$	$-4.015 \cdot 10^{-8}$	$4.729 \cdot 10^{-6}$	$4.729 \cdot 10^{-6}$	$-4.229 \cdot 10^{-8}$
cpt	0.0001383	0.0001383	$-7.23 \cdot 10^{-8}$	$3.779 \cdot 10^{-6}$	$3.779 \cdot 10^{-6}$	$-2.646 \cdot 10^{-8}$
ctW	0.005969	0.005969	$5.194 \cdot 10^{-7}$	0.0184	0.0184	$1.141 \cdot 10^{-6}$
ctWI	$-1.382 \cdot 10^{-20}$	$-2.176 \cdot 10^{-19}$	-14.74	0.009571	0.009571	$1.149 \cdot 10^{-6}$
ctZ	-0.007504	-0.007504	$5.331 \cdot 10^{-7}$	0.0111	0.0111	$1.171 \cdot 10^{-6}$
ctZI	$-9.496 \cdot 10^{-19}$	$-9.473 \cdot 10^{-19}$	0.002425	0.002356	0.002356	$1.103 \cdot 10^{-6}$
cte3	-0.03903	-0.03903	0	0.2254	0.2254	0
ctl3	-0.015	-0.015	0	0.1493	0.1493	0

ctlS3	0.003346	0.003346	0	0.1668	0.1668	0
ctlSI3	$2.387 \cdot 10^{-20}$	$6.303 \cdot 10^{-21}$	0.736	0.1668	0.1668	0
ctlT3	0.01232	0.01232	0	2.216	2.216	0
ctlTI3	$4.035 \cdot 10^{-19}$	$-1.68 \cdot 10^{-18}$	5.165	2.216	2.216	0
ctp	$-1 \cdot 10^{-6}$	$-1 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
ctpI	$9.492 \cdot 10^{-24}$	$-4.788 \cdot 10^{-24}$	1.504	$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
sm	0	0	0	0.003847	0.003847	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQq11	0.002307	0.002307	0	0.006771	0.006771	0
cQq13	0.002307	0.002307	0	0.006771	0.006771	0
cQq81	0.03057	0.03057	0	0.003742	0.003742	0
cQq83	0.03057	0.03057	0	0.003742	0.003742	0
cQu1	0.02605	0.02605	$-3.839 \cdot 10^{-8}$	0.8096	0.8096	0
cQu8	0.6104	0.6104	0	0.1994	0.1994	0
cpQM	$6.115 \cdot 10^{-5}$	$6.115 \cdot 10^{-5}$	$-4.906 \cdot 10^{-8}$	$6.351 \cdot 10^{-6}$	$6.351 \cdot 10^{-6}$	$-4.724 \cdot 10^{-8}$
cpt	-0.0001293	-0.0001293	0	$2.251 \cdot 10^{-5}$	$2.251 \cdot 10^{-5}$	0
ctG	0.1977	0.1977	0	0.01717	0.01717	0
ctGI	$3.676 \cdot 10^{-25}$	$7.353 \cdot 10^{-25}$	-1	0.007723	0.007723	0
ctQqu1	-0.4725	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$
ctQqu1I	$8.269 \cdot 10^{-21}$	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$
ctQqu8	$2.1 \cdot 10^{-8}$	0	1	0.1112	0.1112	$2.878 \cdot 10^{-6}$
ctQqu8I	$1.1 \cdot 10^{-19}$	0	1	0.1112	0.1112	$2.878 \cdot 10^{-6}$
ctW	0.004844	0.004844	$4.129 \cdot 10^{-7}$	0.01326	0.01326	$9.802 \cdot 10^{-7}$
ctWI	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.057 \cdot 10^{-7}$	0.0131	0.0131	$9.927 \cdot 10^{-7}$
ctZ	-0.003807	-0.003807	$5.516 \cdot 10^{-7}$	0.01282	0.01282	$1.092 \cdot 10^{-6}$

ctZI	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$5.931 \cdot 10^{-7}$	0.003044	0.003044	$1.117 \cdot 10^{-6}$
ctq1	0.02913	0.02913	0	0.8096	0.8096	0
ctq8	0.265	0.265	0	0.08286	0.08286	0
ctu1	0.001602	0.001602	$-6.244 \cdot 10^{-8}$	0.006771	0.006771	0
ctu8	0.02394	0.02394	0	0.001505	0.001505	0
sm	0	0	0	0.5957	0.5957	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd1	-0.01551	-0.01551	0	0.9871	0.9871	0
cQd8	0.1051	0.1051	0	0.02888	0.02888	0
cQq11	-0.1456	-0.1456	0	0.7166	0.7166	0
cQq13	0.1456	0.1456	0	0.7166	0.7166	0
cQq81	0.02034	0.02034	0	0.000289	0.000289	0
cQq83	-0.02034	-0.02034	0	0.000289	0.000289	0
cQtqd1	-0.4725	0	1	0.5004	0.5004	$3.037 \cdot 10^{-6}$
cQtqd1I	$4.761 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd8	$-5.991 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8I	$-6.311 \cdot 10^{-19}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cpQM	-0.001028	-0.001028	0	$3.596 \cdot 10^{-5}$	$3.596 \cdot 10^{-5}$	0
cpt	$1.789 \cdot 10^{-5}$	$1.789 \cdot 10^{-5}$	$-1.118 \cdot 10^{-7}$	$7.276 \cdot 10^{-6}$	$7.276 \cdot 10^{-6}$	0
ctG	0.1977	0.1977	0	0.02947	0.02947	0
ctGI	$3.676 \cdot 10^{-25}$	$3.309 \cdot 10^{-24}$	-8	0.02002	0.02002	0
ctW	-0.0001442	-0.0001442	$-3.746 \cdot 10^{-6}$	0.001482	0.001482	$4.049 \cdot 10^{-7}$
ctWI	$1.302 \cdot 10^{-15}$	$1.306 \cdot 10^{-15}$	-0.003349	0.004795	0.004795	$3.754 \cdot 10^{-7}$
ctZ	0.0006255	0.0006255	$6.235 \cdot 10^{-7}$	0.005062	0.005062	$1.106 \cdot 10^{-6}$
ctZI	$-1.262 \cdot 10^{-15}$	$-1.262 \cdot 10^{-15}$	$1.585 \cdot 10^{-7}$	0.002344	0.002344	$1.109 \cdot 10^{-6}$

ctd1	-0.0004884	-0.0004884	$-2.047 \cdot 10^{-8}$	0.001301	0.001301	0
ctd8	0.02034	0.02034	0	0.000289	0.000289	0
ctq1	0.02267	0.02267	$-4.41 \cdot 10^{-8}$	0.9871	0.9871	0
ctq8	0.146	0.146	0	0.04271	0.04271	0
sm	0	0	0	0.5901	0.5901	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd1	-0.002546	-0.002546	0	0.06121	0.06121	0
cQd8	0.4444	0.4444	0	0.1434	0.1434	0
cQq11	-0.08394	-0.08394	0	0.4148	0.4148	0
cQq13	0.08394	0.08394	0	0.4148	0.4148	0
cQq81	0.4223	0.4223	0	0.136	0.136	0
cQq83	-0.4223	-0.4223	0	0.136	0.136	0
cQtqd1	-0.4725	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd1I	$1.754 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd8	$-8.343 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8I	$-4.082 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cpQM	-0.0005893	-0.0005893	0	$2.104 \cdot 10^{-5}$	$2.104 \cdot 10^{-5}$	0
cpt	$9.445 \cdot 10^{-5}$	$9.445 \cdot 10^{-5}$	$-3.176 \cdot 10^{-8}$	$3.242 \cdot 10^{-5}$	$3.242 \cdot 10^{-5}$	0
ctG	0.1977	0.1977	0	0.04437	0.04437	0
ctGI	$5.882 \cdot 10^{-24}$	$5.882 \cdot 10^{-24}$	0	0.03492	0.03492	0
ctW	0.005199	0.005199	$-9.617 \cdot 10^{-8}$	0.005055	0.005055	$3.759 \cdot 10^{-7}$
ctWI	$5.662 \cdot 10^{-13}$	$5.662 \cdot 10^{-13}$	$7.807 \cdot 10^{-6}$	0.003448	0.003448	$4.06 \cdot 10^{-7}$
ctZ	-0.0003705	-0.0003705	$4.859 \cdot 10^{-7}$	0.003952	0.003952	$1.113 \cdot 10^{-6}$
ctZI	$-4.955 \cdot 10^{-13}$	$-4.955 \cdot 10^{-13}$	$-1.514 \cdot 10^{-6}$	0.004089	0.004089	$1.101 \cdot 10^{-6}$
ctd1	-0.03534	-0.03534	0	0.6118	0.6118	0

ctd8	0.4223	0.4223	0	0.136	0.136	0
ctq1	-0.004266	-0.004266	0	0.06121	0.06121	0
ctq8	0.04671	0.04671	0	0.00919	0.00919	0
sm	0	0	0	0.7717	0.7717	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQQ1	-2.112	-2.112	0	3.745	3.745	0
cQQ8	-1.678	-1.678	0	0.5809	0.5809	0
cQt1	-0.3278	-0.3278	0	8.258	8.258	0
cQt8	-3.04	-3.04	0	2.028	2.028	0
cpQM	0.1459	0.1459	0	0.009008	0.009008	$-1.11 \cdot 10^{-8}$
cpt	-0.226	-0.226	0	0.01043	0.01043	0
ctG	0.2613	0.2613	0	0.9642	0.9642	0
ctGI	$-3.818 \cdot 10^{-17}$	$-1.905 \cdot 10^{-17}$	0.501	0.896	0.896	0
ctW	-0.3317	-0.3317	$4.823 \cdot 10^{-7}$	0.5561	0.5561	$9.71 \cdot 10^{-7}$
ctWI	$2.88 \cdot 10^{-17}$	$6.418 \cdot 10^{-17}$	-1.229	1.211	1.211	$9.908 \cdot 10^{-7}$
ctZ	1.027	1.027	$4.87 \cdot 10^{-7}$	0.861	0.861	$1.092 \cdot 10^{-6}$
ctZI	$-3.838 \cdot 10^{-16}$	$-7.088 \cdot 10^{-17}$	0.8153	0.5424	0.5424	$1.106 \cdot 10^{-6}$
ctp	0.1969	0.1969	0	0.009361	0.009361	0
ctpI	$6.42 \cdot 10^{-18}$	$4.804 \cdot 10^{-18}$	0.2517	0.004965	0.004965	0
ctt1	-3.868	-3.868	0	14.98	14.98	0
sm	0	0	0	1.564	1.564	0

1.75 $u\bar{d} \rightarrow \mu^+ \nu_\mu$

interference

square

	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	0.001619	0.001619	0

1.76 $u\bar{d} \rightarrow c\bar{s}$

			interference			square
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	0.00282	0.00282	0

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

			interference			square
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	10.49	10.49	0

1.78 $u\bar{u} \rightarrow \nu_e\bar{\nu}_e$

			interference			square
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	0.0008608	0.0008608	$1.162 \cdot 10^{-8}$

1.79 $u\bar{u} \rightarrow u\bar{u}$

			interference			square
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	3.784	3.784	0

1.80 $zz \rightarrow W^+W^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	61.18	61.18	$1.635 \cdot 10^{-8}$

1.81 $zz \rightarrow zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.08119	0.08119	0

2 By parameter point

2.1 cQQ1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-0.01732	-0.01732	0	0.1131	0.1131	0
$b\bar{b} \rightarrow t\bar{t}$	-0.3028	-0.3028	0	0.4278	0.4278	0
$t\bar{t} \rightarrow t\bar{t}$	-2.112	-2.112	0	3.745	3.745	0

2.2 cQQ8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-0.5114	-0.5114	0	0.1358	0.1358	0
$b\bar{b} \rightarrow t\bar{t}$	0.02144	0.02144	0	0.01011	0.01011	0

$t\bar{t} \rightarrow t\bar{t}$	-1.678	-1.678	0	0.5809	0.5809	0
---------------------------------	--------	--------	---	--------	--------	---

2.3 cQb1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	0.07938	0.07938	$-2.52 \cdot 10^{-8}$	2.209	2.209	0
$b\bar{b} \rightarrow t\bar{t}$	-0.01056	-0.01056	0	0.6185	0.6185	0

2.4 cQb8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow b\bar{b}$	-5.649	-5.649	0	0.468	0.468	0
$b\bar{b} \rightarrow t\bar{t}$	0.3913	0.3913	0	0.1255	0.1255	0

2.5 cQbqu1

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

$$\bar{b}\bar{b} \rightarrow u\bar{u} \quad -7.71 \cdot 10^{-19} \quad 0 \quad 1 \quad 0.5 \quad 0.5 \quad 3.04 \cdot 10^{-6}$$

2.7 cQbqu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-1.471 \cdot 10^{-24}$	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	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$b\bar{b} \rightarrow u\bar{u}$	$-9.637 \cdot 10^{-20}$	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	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow d\bar{d}$	-0.00626	-0.00626	$-1.597 \cdot 10^{-8}$	0.4303	0.4303	0
$t\bar{t} \rightarrow d\bar{d}$	-0.01551	-0.01551	0	0.9871	0.9871	0
$t\bar{t} \rightarrow s\bar{s}$	-0.002546	-0.002546	0	0.06121	0.06121	0

2.10 cQd8

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

$b\bar{b} \rightarrow d\bar{d}$	0.007356	0.007356	0	0.002478	0.002478	0
$t\bar{t} \rightarrow d\bar{d}$	0.1051	0.1051	0	0.02888	0.02888	0
$t\bar{t} \rightarrow s\bar{s}$	0.4444	0.4444	0	0.1434	0.1434	0

2.11 cQe2

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \mu^+\mu^-$	-0.004145	-0.004145	$-2.413 \cdot 10^{-8}$	0.09497	0.09497	0

2.12 cQe3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.01443	-0.01443	$-6.928 \cdot 10^{-8}$	0.3034	0.3034	0

2.13 cQl31

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0.2418	0.2418	0	1.143	1.143	0

2.14 cQl32

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \mu^+\mu^-$	0.03679	0.03679	$2.718 \cdot 10^{-8}$	0.3876	0.3876	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	0.004268	0.004268	$2.343 \cdot 10^{-8}$	0.06268	0.06268	0

2.15 cQIM1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	-0.02137	-0.02137	0	0.09153	0.09153	0

2.16 cQIM2

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \mu^+ \mu^-$	0.03224	0.03224	0	0.1698	0.1698	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	0.04163	0.04163	0	0.2231	0.2231	0

2.17 cQIM3

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.05323	-0.05323	0	0.2254	0.2254	0

2.18 cQq11

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow d\bar{d}$	0.05937	0.05937	$1.684 \cdot 10^{-8}$	0.2712	0.2712	0
$b\bar{b} \rightarrow u\bar{u}$	-0.1073	-0.1073	0	0.5249	0.5249	0
$t\bar{t} \rightarrow c\bar{c}$	0.002307	0.002307	0	0.006771	0.006771	0
$t\bar{t} \rightarrow d\bar{d}$	-0.1456	-0.1456	0	0.7166	0.7166	0
$t\bar{t} \rightarrow s\bar{s}$	-0.08394	-0.08394	0	0.4148	0.4148	0

2.19 cQq13

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0.09356	0.09356	$1.069 \cdot 10^{-8}$	0.4422	0.4422	0
$b\bar{b} \rightarrow d\bar{d}$	0.05937	0.05937	$1.684 \cdot 10^{-8}$	0.2712	0.2712	0
$b\bar{b} \rightarrow u\bar{u}$	0.1073	0.1073	0	0.5249	0.5249	0
$t\bar{t} \rightarrow c\bar{c}$	0.002307	0.002307	0	0.006771	0.006771	0
$t\bar{t} \rightarrow d\bar{d}$	0.1456	0.1456	0	0.7166	0.7166	0
$t\bar{t} \rightarrow s\bar{s}$	0.08394	0.08394	0	0.4148	0.4148	0

2.20 cQq81

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow d\bar{d}$	0.07795	0.07795	0	0.0263	0.0263	0
$b\bar{b} \rightarrow u\bar{u}$	0.06619	0.06619	0	0.02233	0.02233	0
$t\bar{t} \rightarrow c\bar{c}$	0.03057	0.03057	0	0.003742	0.003742	0
$t\bar{t} \rightarrow d\bar{d}$	0.02034	0.02034	0	0.000289	0.000289	0
$t\bar{t} \rightarrow s\bar{s}$	0.4223	0.4223	0	0.136	0.136	0

2.21 cQq83

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	$-6.081 \cdot 10^{-18}$	$3.892 \cdot 10^{-20}$	1.006	0.6616	0.6616	0
$b\bar{b} \rightarrow d\bar{d}$	0.07795	0.07795	0	0.0263	0.0263	0
$b\bar{b} \rightarrow u\bar{u}$	-0.06619	-0.06619	0	0.02233	0.02233	0
$t\bar{t} \rightarrow c\bar{c}$	0.03057	0.03057	0	0.003742	0.003742	0

$t\bar{t} \rightarrow d\bar{d}$	-0.02034	-0.02034	0	0.000289	0.000289	0
$t\bar{t} \rightarrow s\bar{s}$	-0.4223	-0.4223	0	0.136	0.136	0

2.22 cQt1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	-0.1361	-0.1361	0	0.1195	0.1195	0
$t\bar{t} \rightarrow t\bar{t}$	-0.3278	-0.3278	0	8.258	8.258	0

2.23 cQt8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	0.04736	0.04736	0	0.1255	0.1255	0
$t\bar{t} \rightarrow t\bar{t}$	-3.04	-3.04	0	2.028	2.028	0

2.24 cQtQb1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	-0.01362	-0.01362	0	0.5326	0.5326	0

2.25 cQtQb1I

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	$-8.271 \cdot 10^{-19}$	$-2.117 \cdot 10^{-20}$	0.9744	0.9932	0.9932	0

2.26 cQtQb8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	0.002675	0.002675	0	0.1138	0.1138	0

2.27 cQtQb8I

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow t\bar{t}$	$-2.697 \cdot 10^{-18}$	$-9.54 \cdot 10^{-19}$	0.6463	0.09435	0.09435	0

2.28 cQtqd1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	-0.4725	0	1	0.5004	0.5004	$3.037 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	-0.4725	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$

2.29 cQtqd1I

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$4.761 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$1.754 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$

2.30 cQtqd8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$-5.991 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-8.343 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$

2.31 cQtqd8I

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$-6.311 \cdot 10^{-19}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-4.082 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$

2.32 cQu1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	0.01357	0.01357	0	0.4665	0.4665	0
$t\bar{t} \rightarrow c\bar{c}$	0.02605	0.02605	$-3.839 \cdot 10^{-8}$	0.8096	0.8096	0

2.33 cQu8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow u\bar{u}$	0.05	0.05	0	0.01687	0.01687	0

$t\bar{t} \rightarrow c\bar{c}$	0.6104	0.6104	0	0.1994	0.1994	0
---------------------------------	--------	--------	---	--------	--------	---

2.34 cbQqd1

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

2.35 cbQqd1I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
$b\bar{b} \rightarrow d\bar{d}$	$-6.401 \cdot 10^{-19}$	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$

2.36 cbQqd8

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

2.37 cbQqd8I

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

$$b\bar{b} \rightarrow d\bar{d} \quad 4.072 \cdot 10^{-20} \quad 0 \quad 1 \quad 0.1111 \quad 0.1111 \quad 2.88 \cdot 10^{-6}$$

2.38 cbW

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$-5.796 \cdot 10^{-8}$	$-5.796 \cdot 10^{-8}$	$-1.035 \cdot 10^{-7}$	$3.385 \cdot 10^{-5}$	$3.385 \cdot 10^{-5}$	0
$HH \rightarrow z \bar{b}b$	$-2.449 \cdot 10^{-7}$	$-2.449 \cdot 10^{-7}$	$4.083 \cdot 10^{-8}$	$4.512 \cdot 10^{-6}$	$4.512 \cdot 10^{-6}$	$2.216 \cdot 10^{-8}$
$HW^+ \rightarrow \gamma t \bar{b}$	$-1.95 \cdot 10^{-8}$	$3.048 \cdot 10^{-7}$	16.63	$5.666 \cdot 10^{-7}$	$9.314 \cdot 10^{-6}$	-15.44
$HW^- \rightarrow \bar{t}b$	0.006092	0.006092	0	2.252	2.252	0
$H\gamma \rightarrow b\bar{b}$	$-1.387 \cdot 10^{-6}$	$-1.387 \cdot 10^{-6}$	$-7.212 \cdot 10^{-8}$	0.6934	0.6934	$-1.442 \cdot 10^{-8}$
$H z \rightarrow b\bar{b}$	0.001427	0.001427	0	1.267	1.267	0
$W^+ W^- \rightarrow H b \bar{b}$	$-6.562 \cdot 10^{-7}$	$-2.625 \cdot 10^{-5}$	-39.01	$1.869 \cdot 10^{-5}$	0.0004688	-24.09
$W^+ W^- \rightarrow H t \bar{t}$	$1.83 \cdot 10^{-7}$	$1.83 \cdot 10^{-7}$	0	$2.081 \cdot 10^{-8}$	$2.081 \cdot 10^{-8}$	0
$\bar{b}t \rightarrow \bar{d}u$	0.0001548	0.0001548	0	0.01198	0.01198	0
$b\bar{b} \rightarrow \gamma\gamma$	$4.91 \cdot 10^{-6}$	$4.91 \cdot 10^{-6}$	$-2.037 \cdot 10^{-8}$	0.0006187	0.0006187	$-3.233 \cdot 10^{-8}$
$b\bar{b} \rightarrow \mu^+ \mu^-$	$4.572 \cdot 10^{-5}$	$4.572 \cdot 10^{-5}$	0	0.002081	0.002081	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	$7.973 \cdot 10^{-5}$	$7.973 \cdot 10^{-5}$	$1.254 \cdot 10^{-8}$	0.0003012	0.0003012	$3.32 \cdot 10^{-8}$
$b\bar{b} \rightarrow b\bar{b}$	0.002453	0.002453	0	0.02843	0.02843	0
$b\bar{b} \rightarrow d\bar{d}$	0.0001144	0.0001144	0	0.006452	0.006452	0
$b\bar{b} \rightarrow t\bar{t}$	0.007274	0.007274	0	0.1866	0.1866	0
$b\bar{b} \rightarrow u\bar{u}$	0.0001621	0.0001621	0	0.005147	0.005147	$1.943 \cdot 10^{-8}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0.0001396	0.0001396	0	0.001201	0.001201	0

2.39 cbWI

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$1.754 \cdot 10^{-6}$	$1.754 \cdot 10^{-6}$	0	$3.385 \cdot 10^{-5}$	$3.385 \cdot 10^{-5}$	0

$HH \rightarrow z\bar{b}b$	$1.854 \cdot 10^{-8}$	$1.854 \cdot 10^{-8}$	0	$4.492 \cdot 10^{-6}$	$4.492 \cdot 10^{-6}$	$2.226 \cdot 10^{-8}$
$HW^+ \rightarrow \gamma t\bar{b}$	$-4.077 \cdot 10^{-8}$	$-6.916 \cdot 10^{-8}$	-0.6962	$5.665 \cdot 10^{-7}$	$9.312 \cdot 10^{-6}$	-15.44
$HW^- \rightarrow t\bar{b}$	$1.082 \cdot 10^{-7}$	$1.082 \cdot 10^{-7}$	0	2.252	2.252	0
$H\gamma \rightarrow b\bar{b}$	$3.145 \cdot 10^{-19}$	$3.143 \cdot 10^{-19}$	0.0006312	0.6934	0.6934	$-1.442 \cdot 10^{-8}$
$HZ \rightarrow b\bar{b}$	$3.477 \cdot 10^{-6}$	$3.477 \cdot 10^{-6}$	0	1.267	1.267	0
$W^+W^- \rightarrow Hb\bar{b}$	$2.628 \cdot 10^{-7}$	$-1.031 \cdot 10^{-6}$	4.923	$1.869 \cdot 10^{-5}$	0.0004685	-24.07
$W^+W^- \rightarrow Ht\bar{t}$	$-2.718 \cdot 10^{-8}$	$-2.718 \cdot 10^{-8}$	0	$2.149 \cdot 10^{-8}$	$2.149 \cdot 10^{-8}$	0
$\bar{b}t \rightarrow \bar{d}u$	$9.36 \cdot 10^{-20}$	$8.907 \cdot 10^{-20}$	0.04839	0.01198	0.01198	0
$b\bar{b} \rightarrow \gamma\gamma$	$-9.127 \cdot 10^{-23}$	$-1.547 \cdot 10^{-22}$	-0.6947	0.0006186	0.0006186	$-4.849 \cdot 10^{-8}$
$b\bar{b} \rightarrow \mu^+\mu^-$	$4.555 \cdot 10^{-16}$	$4.554 \cdot 10^{-16}$	0.0001682	0.00208	0.00208	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$2.823 \cdot 10^{-21}$	$2.818 \cdot 10^{-21}$	0.001661	0.0003008	0.0003008	$3.324 \cdot 10^{-8}$
$b\bar{b} \rightarrow b\bar{b}$	$3.399 \cdot 10^{-18}$	$1.844 \cdot 10^{-18}$	0.4575	0.02843	0.02843	0
$b\bar{b} \rightarrow d\bar{d}$	$9.713 \cdot 10^{-18}$	$9.835 \cdot 10^{-18}$	-0.01265	0.006451	0.006451	$1.55 \cdot 10^{-8}$
$b\bar{b} \rightarrow t\bar{t}$	$-2.296 \cdot 10^{-18}$	$-4.904 \cdot 10^{-19}$	0.7865	0.1866	0.1866	0
$b\bar{b} \rightarrow u\bar{u}$	$2.834 \cdot 10^{-18}$	$2.833 \cdot 10^{-18}$	$8.046 \cdot 10^{-5}$	0.005146	0.005146	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	$2.641 \cdot 10^{-20}$	$-2.403 \cdot 10^{-21}$	1.091	0.001201	0.001201	0

2.40 cblS1

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

2.41 cblS2

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

2.42 cblSI1

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

2.43 cblSI2

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

2.44 cbtud1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.1106	0.1106	$6.06 \cdot 10^{-6}$

2.45 cbtud1I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.7443	0.7443	$6.1 \cdot 10^{-6}$

2.46 cbtud8

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

$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.03045	0.03045	$5.911 \cdot 10^{-6}$
---------------------------------	---	---	---	---------	---------	-----------------------

2.47 cbtud8I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.03045	0.03045	$5.911 \cdot 10^{-6}$

2.48 cpQ3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+ \bar{t}b$	$-2.804 \cdot 10^{-6}$	$-4.989 \cdot 10^{-6}$	-0.7794	$3.382 \cdot 10^{-5}$	$2.37 \cdot 10^{-5}$	0.2992
$HH \rightarrow z \bar{b}b$	$1.685 \cdot 10^{-6}$	$2.276 \cdot 10^{-6}$	-0.3513	$2.621 \cdot 10^{-6}$	$9.492 \cdot 10^{-5}$	-35.22
$HW^+ \rightarrow \gamma t \bar{b}$	$-3.665 \cdot 10^{-7}$	$-3.665 \cdot 10^{-7}$	$-2.729 \cdot 10^{-8}$	$4.975 \cdot 10^{-7}$	$4.975 \cdot 10^{-7}$	$-2.01 \cdot 10^{-8}$
$HW^- \rightarrow \bar{t}b$	-1.402	-1.402	0	0.2192	0.2192	0
$H z \rightarrow b \bar{b}$	0.3894	0.3894	0	3.389	3.389	0
$W^+ W^- \rightarrow H b \bar{b}$	$3.142 \cdot 10^{-6}$	$3.142 \cdot 10^{-6}$	$6.366 \cdot 10^{-8}$	$9.492 \cdot 10^{-7}$	$9.492 \cdot 10^{-7}$	$1.054 \cdot 10^{-8}$
$W^+ W^- \rightarrow H t \bar{t}$	$2.475 \cdot 10^{-5}$	$2.475 \cdot 10^{-5}$	0	$1.11 \cdot 10^{-5}$	$1.11 \cdot 10^{-5}$	0
$\bar{b}t \rightarrow \bar{d}u$	0.0007437	0.0007437	$1.345 \cdot 10^{-8}$	$2.254 \cdot 10^{-5}$	$2.254 \cdot 10^{-5}$	0
$b \bar{b} \rightarrow \mu^+ \mu^-$	0.0001554	0.0001554	$6.436 \cdot 10^{-8}$	$1.162 \cdot 10^{-5}$	$1.162 \cdot 10^{-5}$	0
$b \bar{b} \rightarrow \nu_e \bar{\nu}_e$	0.0003584	0.0003584	0	$2.574 \cdot 10^{-5}$	$2.574 \cdot 10^{-5}$	0
$b \bar{b} \rightarrow b \bar{b}$	-0.08114	-0.08114	0	0.003053	0.003053	$3.275 \cdot 10^{-8}$
$b \bar{b} \rightarrow d \bar{d}$	0.00248	0.00248	0	0.0001604	0.0001604	0
$b \bar{b} \rightarrow t \bar{t}$	-0.005942	-0.005942	$-1.683 \cdot 10^{-8}$	0.003809	0.003809	0
$b \bar{b} \rightarrow u \bar{u}$	0.0002195	0.0002195	0	$2.335 \cdot 10^{-5}$	$2.335 \cdot 10^{-5}$	$-4.283 \cdot 10^{-8}$
$b \bar{t} \rightarrow e^- \bar{\nu}_e$	0.0008307	0.0008307	$1.204 \cdot 10^{-8}$	$2.518 \cdot 10^{-5}$	$2.518 \cdot 10^{-5}$	0

2.49 cpQM

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z\bar{b}b$	$1.727 \cdot 10^{-6}$	$8.496 \cdot 10^{-6}$	-3.919	$1.01 \cdot 10^{-6}$	$4.346 \cdot 10^{-5}$	-42.02
$HH \rightarrow zt\bar{t}$	$3.656 \cdot 10^{-5}$	$3.408 \cdot 10^{-5}$	0.06794	$3.148 \cdot 10^{-5}$	$9.48 \cdot 10^{-5}$	-2.012
$H z \rightarrow b\bar{b}$	0.1953	0.1953	0	0.8498	0.8498	0
$H z \rightarrow t\bar{t}$	2.065	2.065	0	1.133	1.133	0
$W^+W^- \rightarrow Hb\bar{b}$	$2.693 \cdot 10^{-5}$	$2.693 \cdot 10^{-5}$	0	$7.034 \cdot 10^{-7}$	$7.034 \cdot 10^{-7}$	$1.422 \cdot 10^{-8}$
$W^+W^- \rightarrow Ht\bar{t}$	$-1.137 \cdot 10^{-6}$	$-1.137 \cdot 10^{-6}$	$8.792 \cdot 10^{-8}$	$5.587 \cdot 10^{-7}$	$5.587 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	0.0001067	0.0001067	0	$3.159 \cdot 10^{-6}$	$3.159 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	0.0006064	0.0006064	0	$2.177 \cdot 10^{-5}$	$2.177 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow b\bar{b}$	-0.001786	-0.001786	0	$2.193 \cdot 10^{-5}$	$2.193 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow d\bar{d}$	0.0004247	0.0004247	0	$1.398 \cdot 10^{-5}$	$1.398 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.0007467	-0.0007467	$-1.339 \cdot 10^{-8}$	$1.951 \cdot 10^{-6}$	$1.951 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow u\bar{u}$	0.0006251	0.0006251	$1.6 \cdot 10^{-8}$	$1.801 \cdot 10^{-5}$	$1.801 \cdot 10^{-5}$	$5.553 \cdot 10^{-8}$
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$-1.629 \cdot 10^{-5}$	$-1.629 \cdot 10^{-5}$	0	$1.031 \cdot 10^{-6}$	$1.031 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	$4.982 \cdot 10^{-5}$	$4.982 \cdot 10^{-5}$	$-4.015 \cdot 10^{-8}$	$4.729 \cdot 10^{-6}$	$4.729 \cdot 10^{-6}$	$-4.229 \cdot 10^{-8}$
$t\bar{t} \rightarrow c\bar{c}$	$6.115 \cdot 10^{-5}$	$6.115 \cdot 10^{-5}$	$-4.906 \cdot 10^{-8}$	$6.351 \cdot 10^{-6}$	$6.351 \cdot 10^{-6}$	$-4.724 \cdot 10^{-8}$
$t\bar{t} \rightarrow d\bar{d}$	-0.001028	-0.001028	0	$3.596 \cdot 10^{-5}$	$3.596 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow s\bar{s}$	-0.0005893	-0.0005893	0	$2.104 \cdot 10^{-5}$	$2.104 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.1459	0.1459	0	0.009008	0.009008	$-1.11 \cdot 10^{-8}$

2.50 cpb

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow z\bar{b}b$	$-2.561 \cdot 10^{-7}$	$-4.194 \cdot 10^{-7}$	-0.6379	$1.637 \cdot 10^{-6}$	$1.599 \cdot 10^{-5}$	-8.768
$H z \rightarrow b\bar{b}$	-0.03515	-0.03515	$-2.845 \cdot 10^{-8}$	0.8589	0.8589	0

$W^+W^- \rightarrow Hb\bar{b}$	$-3.677 \cdot 10^{-8}$	$-3.677 \cdot 10^{-8}$	0	$4.553 \cdot 10^{-7}$	$4.553 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow \mu^+\mu^-$	$-1.906 \cdot 10^{-5}$	$-1.906 \cdot 10^{-5}$	$-1.049 \cdot 10^{-7}$	$2.9 \cdot 10^{-6}$	$2.9 \cdot 10^{-6}$	0
$b\bar{b} \rightarrow \nu_e\bar{\nu}_e$	$-3.584 \cdot 10^{-6}$	$-3.584 \cdot 10^{-6}$	0	$7.001 \cdot 10^{-7}$	$7.001 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow b\bar{b}$	0.01353	0.01353	0	0.0018	0.0018	0
$b\bar{b} \rightarrow d\bar{d}$	$-4.87 \cdot 10^{-5}$	$-4.87 \cdot 10^{-5}$	$-2.054 \cdot 10^{-8}$	$2.176 \cdot 10^{-5}$	$2.176 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow t\bar{t}$	$3.185 \cdot 10^{-5}$	$3.185 \cdot 10^{-5}$	0	$1.9 \cdot 10^{-5}$	$1.9 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow u\bar{u}$	$2.273 \cdot 10^{-5}$	$2.273 \cdot 10^{-5}$	0	$1.623 \cdot 10^{-5}$	$1.623 \cdot 10^{-5}$	$6.162 \cdot 10^{-8}$

2.51 cpt

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow zt\bar{t}$	$-3.862 \cdot 10^{-5}$	$-4.136 \cdot 10^{-5}$	-0.07077	$4.9 \cdot 10^{-5}$	0.0001131	-1.308
$H\bar{z} \rightarrow t\bar{t}$	-2.201	-2.201	0	1.298	1.298	0
$W^+W^- \rightarrow Ht\bar{t}$	$1.796 \cdot 10^{-6}$	$1.796 \cdot 10^{-6}$	0	$6.022 \cdot 10^{-7}$	$6.022 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	-0.001803	-0.001803	0	$3.172 \cdot 10^{-5}$	$3.172 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	$6.225 \cdot 10^{-5}$	$6.225 \cdot 10^{-5}$	$-3.213 \cdot 10^{-8}$	$7.587 \cdot 10^{-6}$	$7.587 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0001383	0.0001383	$-7.23 \cdot 10^{-8}$	$3.779 \cdot 10^{-6}$	$3.779 \cdot 10^{-6}$	$-2.646 \cdot 10^{-8}$
$t\bar{t} \rightarrow c\bar{c}$	-0.0001293	-0.0001293	0	$2.251 \cdot 10^{-5}$	$2.251 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow d\bar{d}$	$1.789 \cdot 10^{-5}$	$1.789 \cdot 10^{-5}$	$-1.118 \cdot 10^{-7}$	$7.276 \cdot 10^{-6}$	$7.276 \cdot 10^{-6}$	0
$t\bar{t} \rightarrow s\bar{s}$	$9.445 \cdot 10^{-5}$	$9.445 \cdot 10^{-5}$	$-3.176 \cdot 10^{-8}$	$3.242 \cdot 10^{-5}$	$3.242 \cdot 10^{-5}$	0
$t\bar{t} \rightarrow t\bar{t}$	-0.226	-0.226	0	0.01043	0.01043	0

2.52 cptb

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+\bar{t}b$	$-2.092 \cdot 10^{-9}$	$4.963 \cdot 10^{-8}$	24.72	$1.006 \cdot 10^{-6}$	$1.597 \cdot 10^{-5}$	-14.88
$HW^+ \rightarrow \gamma t\bar{b}$	$-5.286 \cdot 10^{-8}$	$-5.286 \cdot 10^{-8}$	0	$1.535 \cdot 10^{-7}$	$1.535 \cdot 10^{-7}$	$-6.515 \cdot 10^{-8}$

$HW^- \rightarrow \bar{t}b$	-0.05336	-0.05336	0	0.4879	0.4879	0
$W^+W^- \rightarrow Hb\bar{b}$	$-7.695 \cdot 10^{-8}$	$-7.695 \cdot 10^{-8}$	0	$4.273 \cdot 10^{-7}$	$4.273 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.805 \cdot 10^{-8}$	$2.805 \cdot 10^{-8}$	0	$9.604 \cdot 10^{-10}$	$9.604 \cdot 10^{-10}$	$-1.041 \cdot 10^{-8}$
$\bar{b}t \rightarrow \bar{d}u$	$-2.193 \cdot 10^{-6}$	$-2.193 \cdot 10^{-6}$	0	$9.443 \cdot 10^{-7}$	$9.443 \cdot 10^{-7}$	$1.059 \cdot 10^{-8}$
$b\bar{b} \rightarrow t\bar{t}$	-0.0002273	-0.0002273	0	0.0006334	0.0006334	$1.579 \cdot 10^{-8}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-7.312 \cdot 10^{-7}$	$-7.312 \cdot 10^{-7}$	$1.368 \cdot 10^{-8}$	$1.816 \cdot 10^{-7}$	$1.816 \cdot 10^{-7}$	0

2.53 cptbI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow W^+ \bar{t}b$	$3.726 \cdot 10^{-8}$	$2.375 \cdot 10^{-8}$	0.3627	$8.455 \cdot 10^{-6}$	$5.928 \cdot 10^{-6}$	0.2989
$HW^+ \rightarrow \gamma t\bar{b}$	$6.737 \cdot 10^{-9}$	$6.737 \cdot 10^{-9}$	0	$1.244 \cdot 10^{-7}$	$1.244 \cdot 10^{-7}$	0
$HW^- \rightarrow \bar{t}b$	$-1.161 \cdot 10^{-5}$	$-1.161 \cdot 10^{-5}$	0	0.0548	0.0548	0
$W^+W^- \rightarrow Hb\bar{b}$	$4.626 \cdot 10^{-8}$	$4.626 \cdot 10^{-8}$	$2.162 \cdot 10^{-8}$	$2.151 \cdot 10^{-7}$	$2.151 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$1.223 \cdot 10^{-9}$	$1.223 \cdot 10^{-9}$	0	$1.399 \cdot 10^{-9}$	$1.399 \cdot 10^{-9}$	0
$\bar{b}t \rightarrow \bar{d}u$	$7.048 \cdot 10^{-21}$	$1.096 \cdot 10^{-21}$	0.8445	$1.708 \cdot 10^{-5}$	$1.708 \cdot 10^{-5}$	0
$b\bar{b} \rightarrow t\bar{t}$	$-2.597 \cdot 10^{-21}$	$-1.357 \cdot 10^{-21}$	0.4773	0.0006147	0.0006147	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-6.137 \cdot 10^{-22}$	$5.845 \cdot 10^{-23}$	1.095	$1.556 \cdot 10^{-6}$	$1.556 \cdot 10^{-6}$	0

2.54 ctG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	0.06842	0.06842	0	0.04083	0.04083	0
$gg \rightarrow t\bar{t}$	0.7353	0.7353	0	0.1235	0.1235	0
$t\bar{t} \rightarrow c\bar{c}$	0.1977	0.1977	0	0.01717	0.01717	0
$t\bar{t} \rightarrow d\bar{d}$	0.1977	0.1977	0	0.02947	0.02947	0
$t\bar{t} \rightarrow s\bar{s}$	0.1977	0.1977	0	0.04437	0.04437	0

$t\bar{t} \rightarrow t\bar{t}$	0.2613	0.2613	0	0.9642	0.9642	0
---------------------------------	--------	--------	---	--------	--------	---

2.55 ctGI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	$-2.368 \cdot 10^{-17}$	$-3.645 \cdot 10^{-17}$	-0.5393	0.03138	0.03138	0
$gg \rightarrow t\bar{t}$	$-2.792 \cdot 10^{-18}$	$1.577 \cdot 10^{-17}$	6.648	0.1007	0.1007	0
$t\bar{t} \rightarrow c\bar{c}$	$3.676 \cdot 10^{-25}$	$7.353 \cdot 10^{-25}$	-1	0.007723	0.007723	0
$t\bar{t} \rightarrow d\bar{d}$	$3.676 \cdot 10^{-25}$	$3.309 \cdot 10^{-24}$	-8	0.02002	0.02002	0
$t\bar{t} \rightarrow s\bar{s}$	$5.882 \cdot 10^{-24}$	$5.882 \cdot 10^{-24}$	0	0.03492	0.03492	0
$t\bar{t} \rightarrow t\bar{t}$	$-3.818 \cdot 10^{-17}$	$-1.905 \cdot 10^{-17}$	0.501	0.896	0.896	0

2.56 ctQqu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	-0.4725	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$

2.57 ctQqu1I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$8.269 \cdot 10^{-21}$	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$

2.58 ctQqu8

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.05556	0.05556	$2.934 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$2.1 \cdot 10^{-8}$	0	1	0.1112	0.1112	$2.878 \cdot 10^{-6}$

2.59 ctQqu8I

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$1.1 \cdot 10^{-19}$	0	1	0.1112	0.1112	$2.878 \cdot 10^{-6}$

2.60 ctW

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$1.036 \cdot 10^{-5}$	$1.036 \cdot 10^{-5}$	0	$1.216 \cdot 10^{-5}$	$1.216 \cdot 10^{-5}$	0
$HH \rightarrow zt\bar{t}$	$1.173 \cdot 10^{-12}$	0	1	$1.727 \cdot 10^{-17}$	0	1
$HW^+ \rightarrow \gamma t\bar{b}$	$-5.754 \cdot 10^{-6}$	$-7.157 \cdot 10^{-6}$	-0.2438	$1.052 \cdot 10^{-5}$	$3.364 \cdot 10^{-5}$	-2.199
$HW^- \rightarrow \bar{t}b$	-0.2635	-0.2635	$3.796 \cdot 10^{-8}$	2.275	2.275	0
$H\gamma \rightarrow t\bar{t}$	-0.7768	-0.7768	$5.922 \cdot 10^{-7}$	12.61	12.61	$1.189 \cdot 10^{-6}$
$H z \rightarrow t\bar{t}$	$2.552 \cdot 10^{-8}$	0	1	$1.669 \cdot 10^{-12}$	0	1
$W^+W^- \rightarrow Hb\bar{b}$	$1.078 \cdot 10^{-6}$	$1.078 \cdot 10^{-6}$	0	$3.197 \cdot 10^{-6}$	$3.197 \cdot 10^{-6}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.206 \cdot 10^{-6}$	$3.86 \cdot 10^{-5}$	-16.5	$3.044 \cdot 10^{-5}$	0.002149	-69.61
$\bar{b}t \rightarrow \bar{d}u$	0.01423	0.01423	0	0.007323	0.007323	$1.366 \cdot 10^{-8}$
$b\bar{b} \rightarrow t\bar{t}$	0.02282	0.02282	$-1.753 \cdot 10^{-7}$	0.02929	0.02929	$1.707 \cdot 10^{-7}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0.004947	0.004947	$2.021 \cdot 10^{-8}$	0.001994	0.001994	0

$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	$2.87 \cdot 10^{-10}$	0	1	$1.038 \cdot 10^{-15}$	0	1
$t\bar{t} \rightarrow \tau^+ \tau^-$	0.005969	0.005969	$5.194 \cdot 10^{-7}$	0.0184	0.0184	$1.141 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	0.004844	0.004844	$4.129 \cdot 10^{-7}$	0.01326	0.01326	$9.802 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	-0.0001442	-0.0001442	$-3.746 \cdot 10^{-6}$	0.001482	0.001482	$4.049 \cdot 10^{-7}$
$t\bar{t} \rightarrow s\bar{s}$	0.005199	0.005199	$-9.617 \cdot 10^{-8}$	0.005055	0.005055	$3.759 \cdot 10^{-7}$
$t\bar{t} \rightarrow t\bar{t}$	-0.3317	-0.3317	$4.823 \cdot 10^{-7}$	0.5561	0.5561	$9.71 \cdot 10^{-7}$

2.61 ctWI

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+ \bar{t}b$	$-7.513 \cdot 10^{-7}$	$-7.513 \cdot 10^{-7}$	0	$2.108 \cdot 10^{-5}$	$2.108 \cdot 10^{-5}$	0
$HH \rightarrow zt\bar{t}$	$9.01 \cdot 10^{-13}$	0	1	$1.293 \cdot 10^{-17}$	0	1
$HW^+ \rightarrow \gamma t\bar{b}$	$7.083 \cdot 10^{-6}$	$4.729 \cdot 10^{-6}$	0.3323	$1.572 \cdot 10^{-5}$	$1.574 \cdot 10^{-5}$	-0.0008883
$HW^- \rightarrow \bar{t}b$	-0.003076	-0.003076	0	0.1605	0.1605	0
$H\gamma \rightarrow t\bar{t}$	$-5.529 \cdot 10^{-18}$	$-1.897 \cdot 10^{-17}$	-2.431	13.96	13.96	$1.218 \cdot 10^{-6}$
$H z \rightarrow t\bar{t}$	$-2.38 \cdot 10^{-10}$	0	1	$1.497 \cdot 10^{-12}$	0	1
$W^+ W^- \rightarrow H b\bar{b}$	$2.29 \cdot 10^{-5}$	$2.29 \cdot 10^{-5}$	0	$3.197 \cdot 10^{-6}$	$3.197 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H t\bar{t}$	$-5.084 \cdot 10^{-6}$	$-2.379 \cdot 10^{-5}$	-3.678	$2.342 \cdot 10^{-5}$	0.002419	-102.3
$\bar{b}t \rightarrow \bar{d}u$	$1.766 \cdot 10^{-17}$	$1.362 \cdot 10^{-17}$	0.2283	0.01211	0.01211	0
$b\bar{b} \rightarrow t\bar{t}$	$-2.611 \cdot 10^{-19}$	$-8.132 \cdot 10^{-18}$	-30.15	0.02321	0.02321	$8.619 \cdot 10^{-8}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	$-3.599 \cdot 10^{-19}$	$4.34 \cdot 10^{-18}$	13.06	0.004019	0.004019	0
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	$7.64 \cdot 10^{-25}$	0	1	$1.173 \cdot 10^{-15}$	0	1
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-1.382 \cdot 10^{-20}$	$-2.176 \cdot 10^{-19}$	-14.74	0.009571	0.009571	$1.149 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.057 \cdot 10^{-7}$	0.0131	0.0131	$9.927 \cdot 10^{-7}$
$t\bar{t} \rightarrow d\bar{d}$	$1.302 \cdot 10^{-15}$	$1.306 \cdot 10^{-15}$	-0.003349	0.004795	0.004795	$3.754 \cdot 10^{-7}$
$t\bar{t} \rightarrow s\bar{s}$	$5.662 \cdot 10^{-13}$	$5.662 \cdot 10^{-13}$	$7.807 \cdot 10^{-6}$	0.003448	0.003448	$4.06 \cdot 10^{-7}$
$t\bar{t} \rightarrow t\bar{t}$	$2.88 \cdot 10^{-17}$	$6.418 \cdot 10^{-17}$	-1.229	1.211	1.211	$9.908 \cdot 10^{-7}$

2.62 ctZ

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow zt\bar{t}$	$7.838 \cdot 10^{-7}$	$7.838 \cdot 10^{-7}$	$5.742 \cdot 10^{-7}$	$4.568 \cdot 10^{-5}$	$4.568 \cdot 10^{-5}$	$1.095 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma t\bar{b}$	$3.532 \cdot 10^{-6}$	$3.532 \cdot 10^{-6}$	$5.379 \cdot 10^{-7}$	$1.754 \cdot 10^{-5}$	$1.754 \cdot 10^{-5}$	$1.083 \cdot 10^{-6}$
$H\gamma \rightarrow t\bar{t}$	0.6024	0.6024	$5.478 \cdot 10^{-7}$	10.7	10.7	$1.122 \cdot 10^{-6}$
$HZ \rightarrow t\bar{t}$	-0.04646	-0.04646	$5.812 \cdot 10^{-7}$	3.393	3.393	$1.091 \cdot 10^{-6}$
$W^+W^- \rightarrow Ht\bar{t}$	$-1.286 \cdot 10^{-7}$	$-1.286 \cdot 10^{-7}$	$5.443 \cdot 10^{-7}$	$6.193 \cdot 10^{-8}$	$6.193 \cdot 10^{-8}$	$1.098 \cdot 10^{-6}$
$b\bar{b} \rightarrow t\bar{t}$	0.005282	0.005282	$5.49 \cdot 10^{-7}$	0.003689	0.003689	$1.084 \cdot 10^{-6}$
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	0.0005765	0.0005765	$6.071 \cdot 10^{-7}$	0.003288	0.003288	$1.095 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.007504	-0.007504	$5.331 \cdot 10^{-7}$	0.0111	0.0111	$1.171 \cdot 10^{-6}$
$t\bar{t} \rightarrow c\bar{c}$	-0.003807	-0.003807	$5.516 \cdot 10^{-7}$	0.01282	0.01282	$1.092 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	0.0006255	0.0006255	$6.235 \cdot 10^{-7}$	0.005062	0.005062	$1.106 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	-0.0003705	-0.0003705	$4.859 \cdot 10^{-7}$	0.003952	0.003952	$1.113 \cdot 10^{-6}$
$t\bar{t} \rightarrow t\bar{t}$	1.027	1.027	$4.87 \cdot 10^{-7}$	0.861	0.861	$1.092 \cdot 10^{-6}$

2.63 ctZI

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow zt\bar{t}$	$-3.559 \cdot 10^{-6}$	$-3.559 \cdot 10^{-6}$	$5.9 \cdot 10^{-7}$	$3.773 \cdot 10^{-5}$	$3.773 \cdot 10^{-5}$	$1.087 \cdot 10^{-6}$
$HW^+ \rightarrow \gamma t\bar{b}$	$9.943 \cdot 10^{-6}$	$9.943 \cdot 10^{-6}$	$5.632 \cdot 10^{-7}$	$1.644 \cdot 10^{-5}$	$1.644 \cdot 10^{-5}$	$1.095 \cdot 10^{-6}$
$H\gamma \rightarrow t\bar{t}$	$-1.084 \cdot 10^{-18}$	$3.253 \cdot 10^{-18}$	4	7.534	7.534	$1.115 \cdot 10^{-6}$
$HZ \rightarrow t\bar{t}$	-0.0004817	-0.0004817	$5.398 \cdot 10^{-7}$	2.997	2.997	$1.101 \cdot 10^{-6}$
$W^+W^- \rightarrow Ht\bar{t}$	$-3.07 \cdot 10^{-7}$	$-3.07 \cdot 10^{-7}$	$5.538 \cdot 10^{-7}$	$3.47 \cdot 10^{-8}$	$3.47 \cdot 10^{-8}$	$1.095 \cdot 10^{-6}$
$b\bar{b} \rightarrow t\bar{t}$	$2.042 \cdot 10^{-18}$	$3.471 \cdot 10^{-18}$	-0.6998	0.003673	0.003673	$1.089 \cdot 10^{-6}$
$t\bar{t} \rightarrow \nu_\mu \bar{\nu}_\mu$	$1.823 \cdot 10^{-18}$	$4.711 \cdot 10^{-19}$	0.7415	0.001605	0.001605	$1.121 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-9.496 \cdot 10^{-19}$	$-9.473 \cdot 10^{-19}$	0.002425	0.002356	0.002356	$1.103 \cdot 10^{-6}$

$t\bar{t} \rightarrow c\bar{c}$	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$5.931 \cdot 10^{-7}$	0.003044	0.003044	$1.117 \cdot 10^{-6}$
$t\bar{t} \rightarrow d\bar{d}$	$-1.262 \cdot 10^{-15}$	$-1.262 \cdot 10^{-15}$	$1.585 \cdot 10^{-7}$	0.002344	0.002344	$1.109 \cdot 10^{-6}$
$t\bar{t} \rightarrow s\bar{s}$	$-4.955 \cdot 10^{-13}$	$-4.955 \cdot 10^{-13}$	$-1.514 \cdot 10^{-6}$	0.004089	0.004089	$1.101 \cdot 10^{-6}$
$t\bar{t} \rightarrow t\bar{t}$	$-3.838 \cdot 10^{-16}$	$-7.088 \cdot 10^{-17}$	0.8153	0.5424	0.5424	$1.106 \cdot 10^{-6}$

2.64 ctb1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	-0.02483	-0.02483	0	0.4278	0.4278	0

2.65 ctb8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow t\bar{t}$	0.06001	0.06001	0	0.01368	0.01368	0

2.66 ctd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow d\bar{d}$	-0.0004884	-0.0004884	$-2.047 \cdot 10^{-8}$	0.001301	0.001301	0
$t\bar{t} \rightarrow s\bar{s}$	-0.03534	-0.03534	0	0.6118	0.6118	0

2.67 ctd8

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

$t\bar{t} \rightarrow d\bar{d}$	0.02034	0.02034	0	0.000289	0.000289	0
$t\bar{t} \rightarrow s\bar{s}$	0.4223	0.4223	0	0.136	0.136	0

2.68 cte3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.03903	-0.03903	0	0.2254	0.2254	0

2.69 ctl2

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	-0.007424	-0.007424	$-2.694 \cdot 10^{-8}$	0.1079	0.1079	0

2.70 ctl3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.015	-0.015	0	0.1493	0.1493	0

2.71 ctIS1

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

2.72 ctlS3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	0.003346	0.003346	0	0.1668	0.1668	0

2.73 ctlSI1

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

2.74 ctlSI3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	$2.387 \cdot 10^{-20}$	$6.303 \cdot 10^{-21}$	0.736	0.1668	0.1668	0

2.75 ctlT1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0	0	0	0.857	0.857	0

2.76 ctlT3

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

$t\bar{t} \rightarrow \tau^+\tau^-$	0.01232	0.01232	0	2.216	2.216	0
-------------------------------------	---------	---------	---	-------	-------	---

2.77 ctII1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0	0	0	0.158	0.158	0

2.78 ctII3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	$4.035 \cdot 10^{-19}$	$-1.68 \cdot 10^{-18}$	5.165	2.216	2.216	0

2.79 ctp

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Ht\bar{t}$	$4.158 \cdot 10^{-5}$	$-8.69 \cdot 10^{-6}$	1.209	$2.249 \cdot 10^{-5}$	$1.528 \cdot 10^{-6}$	0.932
$HH \rightarrow W^+\bar{t}b$	$1.574 \cdot 10^{-7}$	$1.574 \cdot 10^{-7}$	0	$5.876 \cdot 10^{-7}$	$5.876 \cdot 10^{-7}$	0
$HH \rightarrow zt\bar{t}$	$-5.869 \cdot 10^{-6}$	$-5.869 \cdot 10^{-6}$	$-1.704 \cdot 10^{-8}$	$4.119 \cdot 10^{-6}$	$4.119 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.133 \cdot 10^{-7}$	$-1.133 \cdot 10^{-7}$	0	$2.108 \cdot 10^{-8}$	$2.108 \cdot 10^{-8}$	0
$HW^- \rightarrow \bar{t}b$	-0.3348	-0.3348	0	0.04073	0.04073	$2.455 \cdot 10^{-8}$
$H\gamma \rightarrow t\bar{t}$	-0.05652	-0.05652	$-1.769 \cdot 10^{-8}$	0.001734	0.001734	$-5.766 \cdot 10^{-8}$
$H z \rightarrow t\bar{t}$	-0.000363	-0.000363	$8.539 \cdot 10^{-7}$	0.0685	0.0685	0
$W^+W^- \rightarrow Hb\bar{b}$	$8.221 \cdot 10^{-6}$	$8.221 \cdot 10^{-6}$	0	$1.427 \cdot 10^{-7}$	$1.427 \cdot 10^{-7}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$-4.938 \cdot 10^{-8}$	$-4.938 \cdot 10^{-8}$	$2.025 \cdot 10^{-8}$	$4.337 \cdot 10^{-8}$	$4.337 \cdot 10^{-8}$	0
$b\bar{b} \rightarrow t\bar{t}$	$-1.313 \cdot 10^{-5}$	$-1.313 \cdot 10^{-5}$	0	$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0

$t\bar{t} \rightarrow \tau^+\tau^-$	$-1 \cdot 10^{-6}$	$-1 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
$t\bar{t} \rightarrow t\bar{t}$	0.1969	0.1969	0	0.009361	0.009361	0

2.80 ctpI

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow Ht\bar{t}$	$7.061 \cdot 10^{-6}$	$1.165 \cdot 10^{-6}$	0.835	$5.556 \cdot 10^{-5}$	$4.833 \cdot 10^{-6}$	0.913
$HH \rightarrow W^+\bar{t}b$	$-1.003 \cdot 10^{-7}$	$-1.003 \cdot 10^{-7}$	0	$2.363 \cdot 10^{-6}$	$2.363 \cdot 10^{-6}$	0
$HH \rightarrow zt\bar{t}$	$-1.037 \cdot 10^{-7}$	$-1.037 \cdot 10^{-7}$	0	$3.209 \cdot 10^{-6}$	$3.209 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma t\bar{b}$	$-9.555 \cdot 10^{-8}$	$-9.555 \cdot 10^{-8}$	$-1.047 \cdot 10^{-8}$	$6.41 \cdot 10^{-8}$	$6.41 \cdot 10^{-8}$	0
$HW^- \rightarrow \bar{t}b$	-0.004445	-0.004445	0	0.04336	0.04336	0
$H\gamma \rightarrow t\bar{t}$	$-8.66 \cdot 10^{-19}$	$-7.14 \cdot 10^{-21}$	0.9918	0.002182	0.002182	0
$HZ \rightarrow t\bar{t}$	0.0001586	0.0001586	$6.304 \cdot 10^{-8}$	0.06834	0.06834	0
$W^+W^- \rightarrow Hb\bar{b}$	$1.67 \cdot 10^{-6}$	$1.67 \cdot 10^{-6}$	0	$9.493 \cdot 10^{-9}$	$9.493 \cdot 10^{-9}$	$1.053 \cdot 10^{-8}$
$W^+W^- \rightarrow Ht\bar{t}$	$2.453 \cdot 10^{-11}$	$2.453 \cdot 10^{-11}$	$2.516 \cdot 10^{-5}$	$1.28 \cdot 10^{-7}$	$1.28 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	$-4.61 \cdot 10^{-22}$	$1.474 \cdot 10^{-22}$	1.32	$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
$t\bar{t} \rightarrow \tau^+\tau^-$	$9.492 \cdot 10^{-24}$	$-4.788 \cdot 10^{-24}$	1.504	$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
$t\bar{t} \rightarrow t\bar{t}$	$6.42 \cdot 10^{-18}$	$4.804 \cdot 10^{-18}$	0.2517	0.004965	0.004965	0

2.81 ctq1

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow c\bar{c}$	0.02913	0.02913	0	0.8096	0.8096	0
$t\bar{t} \rightarrow d\bar{d}$	0.02267	0.02267	$-4.41 \cdot 10^{-8}$	0.9871	0.9871	0
$t\bar{t} \rightarrow s\bar{s}$	-0.004266	-0.004266	0	0.06121	0.06121	0

2.82 ctq8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow c\bar{c}$	0.265	0.265	0	0.08286	0.08286	0
$t\bar{t} \rightarrow d\bar{d}$	0.146	0.146	0	0.04271	0.04271	0
$t\bar{t} \rightarrow s\bar{s}$	0.04671	0.04671	0	0.00919	0.00919	0

2.83 ctt1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow t\bar{t}$	-3.868	-3.868	0	14.98	14.98	0

2.84 ctu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow c\bar{c}$	0.001602	0.001602	$-6.244 \cdot 10^{-8}$	0.006771	0.006771	0

2.85 ctu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow c\bar{c}$	0.02394	0.02394	0	0.001505	0.001505	0

2.86 sm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow HH$	0	0	0	0.1402	0.1402	0
$HH \rightarrow HHH$	0	0	0	$1.006 \cdot 10^{-6}$	$1.006 \cdot 10^{-6}$	0
$HH \rightarrow H\tau^+\tau^-$	0	0	0	$3.395 \cdot 10^{-11}$	$3.395 \cdot 10^{-11}$	0
$HH \rightarrow Hb\bar{b}$	0	0	0	$1.198 \cdot 10^{-8}$	$1.198 \cdot 10^{-8}$	0
$HH \rightarrow Ht\bar{t}$	0	0	0	$3.272 \cdot 10^{-5}$	$3.272 \cdot 10^{-5}$	0
$HH \rightarrow Hzz$	0	0	0	$7.799 \cdot 10^{-6}$	$7.799 \cdot 10^{-6}$	0
$HH \rightarrow W^+W^-$	0	0	0	0.09331	0.09331	0
$HH \rightarrow W^+W^-\gamma$	0	0	0	$1.832 \cdot 10^{-7}$	$1.832 \cdot 10^{-7}$	$-5.46 \cdot 10^{-8}$
$HH \rightarrow W^+\bar{t}b$	0	0	0	$4.073 \cdot 10^{-6}$	$4.073 \cdot 10^{-6}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	0	0	0	$6.166 \cdot 10^{-8}$	$6.166 \cdot 10^{-8}$	$1.622 \cdot 10^{-8}$
$HH \rightarrow W^-u\bar{d}$	0	0	0	$2.011 \cdot 10^{-7}$	$2.011 \cdot 10^{-7}$	$4.973 \cdot 10^{-8}$
$HH \rightarrow z\bar{b}b$	0	0	0	$3.108 \cdot 10^{-7}$	$3.108 \cdot 10^{-7}$	$3.217 \cdot 10^{-8}$
$HH \rightarrow z\nu_e\bar{\nu}_e$	0	0	0	$1.694 \cdot 10^{-7}$	$1.694 \cdot 10^{-7}$	0
$HH \rightarrow zcc$	0	0	0	$3.898 \cdot 10^{-7}$	$3.898 \cdot 10^{-7}$	0
$HH \rightarrow zdd$	0	0	0	$8.43 \cdot 10^{-7}$	$8.43 \cdot 10^{-7}$	$1.186 \cdot 10^{-8}$
$HH \rightarrow ze^+e^-$	0	0	0	$9.821 \cdot 10^{-8}$	$9.821 \cdot 10^{-8}$	0
$HH \rightarrow zt\bar{t}$	0	0	0	$3.23 \cdot 10^{-5}$	$3.23 \cdot 10^{-5}$	0
$HH \rightarrow zz$	0	0	0	0.07635	0.07635	0
$HW^+ \rightarrow \gamma t\bar{b}$	0	0	0	$1.508 \cdot 10^{-6}$	$1.508 \cdot 10^{-6}$	0
$HW^+ \rightarrow \gamma u\bar{d}$	0	0	0	$1.175 \cdot 10^{-8}$	$1.175 \cdot 10^{-8}$	0
$HW^+ \rightarrow u\bar{d}$	0	0	0	0.007805	0.007805	$1.281 \cdot 10^{-8}$
$HW^- \rightarrow \bar{t}b$	0	0	0	0.208	0.208	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	0	0	0	$1.857 \cdot 10^{-9}$	$1.857 \cdot 10^{-9}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0	0	0	0.007413	0.007413	$1.349 \cdot 10^{-8}$
$H\gamma \rightarrow b\bar{b}$	0	0	0	0.0004266	0.0004266	$-2.344 \cdot 10^{-8}$
$H\gamma \rightarrow t\bar{t}$	0	0	0	2.544	2.544	0
$H\gamma \rightarrow \mu^+\mu^-$	0	0	0	0.003303	0.003303	0

$H z \rightarrow \nu_\tau \bar{\nu}_\tau$	0	0	0	0.006576	0.006576	0
$H z \rightarrow b\bar{b}$	0	0	0	0.01304	0.01304	0
$H z \rightarrow s\bar{s}$	0	0	0	0.01215	0.01215	0
$H z \rightarrow t\bar{t}$	0	0	0	3.883	3.883	0
$H z \rightarrow u\bar{u}$	0	0	0	0.011	0.011	0
$W^+ W^- \rightarrow H b\bar{b}$	0	0	0	$3.201 \cdot 10^{-6}$	$3.201 \cdot 10^{-6}$	0
$W^+ W^- \rightarrow H c\bar{c}$	0	0	0	$3.711 \cdot 10^{-7}$	$3.711 \cdot 10^{-7}$	$2.695 \cdot 10^{-8}$
$W^+ W^- \rightarrow H d\bar{d}$	0	0	0	$9.35 \cdot 10^{-7}$	$9.35 \cdot 10^{-7}$	$1.069 \cdot 10^{-8}$
$W^+ W^- \rightarrow H t\bar{t}$	0	0	0	0.0002109	0.0002109	0
$W^+ W^- \rightarrow W^+ W^-$	0	0	0	17.94	17.94	0
$W^+ W^- \rightarrow \gamma\gamma$	0	0	0	0.2446	0.2446	$-4.089 \cdot 10^{-8}$
$W^+ W^- \rightarrow \gamma\gamma\gamma$	0	0	0	$9.386 \cdot 10^{-7}$	$9.386 \cdot 10^{-7}$	$-4.262 \cdot 10^{-8}$
$\bar{b}t \rightarrow \bar{d}u$	0	0	0	0.01649	0.01649	0
$\gamma W^+ \rightarrow z W^+$	0	0	0	0.1316	0.1316	0
$\mu^+ \mu^- \rightarrow \tau^+ \tau^-$	0	0	0	0.01502	0.01502	0
$\nu_\tau \bar{\nu}_\tau \rightarrow \nu_\tau \bar{\nu}_\tau$	0	0	0	0.02046	0.02046	0
$\nu_e \bar{\nu}_e \rightarrow \nu_\mu \bar{\nu}_\mu$	0	0	0	0.01912	0.01912	0
$b\bar{b} \rightarrow \gamma\gamma$	0	0	0	$8.06 \cdot 10^{-5}$	$8.06 \cdot 10^{-5}$	$-3.722 \cdot 10^{-8}$
$b\bar{b} \rightarrow \mu^+ \mu^-$	0	0	0	0.001867	0.001867	0
$b\bar{b} \rightarrow \nu_e \bar{\nu}_e$	0	0	0	0.0005568	0.0005568	0
$b\bar{b} \rightarrow b\bar{b}$	0	0	0	17.65	17.65	0
$b\bar{b} \rightarrow d\bar{d}$	0	0	0	0.6976	0.6976	0
$b\bar{b} \rightarrow t\bar{t}$	0	0	0	1.208	1.208	0
$b\bar{b} \rightarrow u\bar{u}$	0	0	0	0.964	0.964	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0	0	0	0.001914	0.001914	$5.225 \cdot 10^{-8}$
$c\bar{c} \rightarrow \mu^+ \mu^-$	0	0	0	0.0006914	0.0006914	$-2.893 \cdot 10^{-8}$
$c\bar{s} \rightarrow \tau^+ \nu_\tau$	0	0	0	0.008224	0.008224	$1.216 \cdot 10^{-8}$
$d\bar{d} \rightarrow c\bar{c}$	0	0	0	0.5901	0.5901	0
$d\bar{d} \rightarrow e^+ e^-$	0	0	0	0.0003563	0.0003563	0

$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0	0	0	0.02028	0.02028	$-4.931 \cdot 10^{-8}$
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	0	0	0	0.03106	0.03106	$3.219 \cdot 10^{-8}$
$e^+\nu_e \rightarrow e^+\nu_e$	0	0	0	0.01399	0.01399	0
$e^+\tau^- \rightarrow e^+\tau^-$	0	0	0	0.0255	0.0255	$-3.921 \cdot 10^{-8}$
$e^+e^- \rightarrow \mu^+\mu^-$	0	0	0	0.0196	0.0196	0
$e^+e^- \rightarrow e^+e^-$	0	0	0	0.03371	0.03371	$-2.966 \cdot 10^{-8}$
$gg \rightarrow gg$	0	0	0	94.52	94.52	0
$gg \rightarrow ggg$	0	0	0	4.503	4.503	0
$gg \rightarrow t\bar{t}$	0	0	0	0.7574	0.7574	0
$gg \rightarrow u\bar{u}$	0	0	0	0.4279	0.4279	0
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.001354	0.001354	0
$s\bar{s} \rightarrow s\bar{s}$	0	0	0	2.028	2.028	0
$t\bar{t} \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.001969	0.001969	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0	0	0	0.003847	0.003847	0
$t\bar{t} \rightarrow c\bar{c}$	0	0	0	0.5957	0.5957	0
$t\bar{t} \rightarrow d\bar{d}$	0	0	0	0.5901	0.5901	0
$t\bar{t} \rightarrow s\bar{s}$	0	0	0	0.7717	0.7717	0
$t\bar{t} \rightarrow t\bar{t}$	0	0	0	1.564	1.564	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	0	0	0	0.001619	0.001619	0
$u\bar{d} \rightarrow c\bar{s}$	0	0	0	0.00282	0.00282	0
$u\bar{d} \rightarrow u\bar{d}$	0	0	0	10.49	10.49	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	0	0	0	0.0008608	0.0008608	$1.162 \cdot 10^{-8}$
$u\bar{u} \rightarrow u\bar{u}$	0	0	0	3.784	3.784	0
$zz \rightarrow W^+W^-$	0	0	0	61.18	61.18	$1.635 \cdot 10^{-8}$
$zz \rightarrow zz$	0	0	0	0.08119	0.08119	0