1 By process

1.1 $HH \to HH$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.2189	0.2189	0

1.2 $HH \to HHH$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	$4.771 \cdot 10^{-7}$	$4.771 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	$1.175 \cdot 10^{-11}$	$1.175 \cdot 10^{-11}$	0

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

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	$2.033 \cdot 10^{-9}$	$2.033 \cdot 10^{-9}$	0

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

	interference				square		
	mod1	mod2	$1-\text{mod2/mod1}$		mod1	mod2	$1-\text{mod2/mod1}$
ctp	$6.984 \cdot 10^{-6}$	$-3.966 \cdot 10^{-6}$	1.568		$7.86 \cdot 10^{-6}$	$4.003 \cdot 10^{-6}$	0.4907
ctpI	$-2.719 \cdot 10^{-5}$	$-5.988 \cdot 10^{-7}$	0.978		$3.982 \cdot 10^{-5}$	$1.563 \cdot 10^{-5}$	0.6075
sm	0	0	0		$3.445 \cdot 10^{-5}$	$3.445 \cdot 10^{-5}$	0

1.6 $HH \to Hzz$

	interference				square		
	mod1	mod2	$1-\text{mod2/mod1}$		mod1	mod2	$1-\text{mod2/mod1}$
sm	0	0	0		$8.03 \cdot 10^{-6}$	$8.03 \cdot 10^{-6}$	0

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

	interference				square		
	mod1	mod2	$1-\text{mod2/mod1}$		mod1	mod2	$1-\text{mod2/mod1}$
sm	0	0	0		0.759	0.759	$2.635 \cdot 10^{-8}$

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

	interference				square		
	mod1	mod2	$1-\text{mod2/mod1}$		mod1	mod2	$1-\text{mod2/mod1}$
sm	0	0	0		$1.407 \cdot 10^{-7}$	$1.407 \cdot 10^{-7}$	$-7.108 \cdot 10^{-8}$

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

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$2.494 \cdot 10^{-7}$	$2.494 \cdot 10^{-7}$	0	$2.018 \cdot 10^{-5}$	$2.018 \cdot 10^{-5}$	0
cbWI	$-9.06 \cdot 10^{-7}$	$-9.06 \cdot 10^{-7}$	0	$1.074 \cdot 10^{-5}$	$1.074 \cdot 10^{-5}$	0
cpQ3	$-9.182 \cdot 10^{-6}$	$-1.536 \cdot 10^{-5}$	-0.6726	$4.185 \cdot 10^{-5}$	$4.068 \cdot 10^{-5}$	0.02797
cptb	$-6.952 \cdot 10^{-7}$	$-4.345 \cdot 10^{-7}$	0.3751	$2.117 \cdot 10^{-6}$	$1.094 \cdot 10^{-5}$	-4.169
cptbI	$-1.445 \cdot 10^{-6}$	$-1.751 \cdot 10^{-6}$	-0.2123	$6.123 \cdot 10^{-6}$	$3.514 \cdot 10^{-5}$	-4.739
ctW	$1.146 \cdot 10^{-5}$	$1.146 \cdot 10^{-5}$	0	$4.549 \cdot 10^{-6}$	$4.549 \cdot 10^{-6}$	0
ctWI	$3.675 \cdot 10^{-5}$	$3.675 \cdot 10^{-5}$	0	$3.404 \cdot 10^{-5}$	$3.404 \cdot 10^{-5}$	0
ctp	$1.425 \cdot 10^{-6}$	$1.425 \cdot 10^{-6}$	0	$2.61 \cdot 10^{-6}$	$2.61 \cdot 10^{-6}$	0
ctpI	$-2.34 \cdot 10^{-7}$	$-2.34 \cdot 10^{-7}$	0	$3.086 \cdot 10^{-6}$	$3.086 \cdot 10^{-6}$	0
sm	0	0	0	0.0004913	0.0004913	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	$5.225 \cdot 10^{-7}$	$5.225 \cdot 10^{-7}$	$3.828 \cdot 10^{-8}$

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	$2.561 \cdot 10^{-6}$	$2.561 \cdot 10^{-6}$	$3.905 \cdot 10^{-8}$

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	$7.75 \cdot 10^{-8}$	$7.75 \cdot 10^{-8}$	$1.29 \cdot 10^{-8}$	$3.316 \cdot 10^{-6}$	$3.316 \cdot 10^{-6}$	$3.015 \cdot 10^{-8}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cbWI	$-1.998 \cdot 10^{-8}$	$-1.998 \cdot 10^{-8}$	0	$9.344 \cdot 10^{-7}$	$9.344 \cdot 10^{-7}$	0
cpQ3	$6.958 \cdot 10^{-6}$	$1.367 \cdot 10^{-5}$	-0.9643	$1.729 \cdot 10^{-5}$	0.0001009	-4.838
cpQM	$6.357 \cdot 10^{-6}$	$7.518 \cdot 10^{-6}$	-0.1828	$1.784 \cdot 10^{-5}$	$3.025 \cdot 10^{-5}$	-0.6955
cpb	$-2.701 \cdot 10^{-6}$	$-3.488 \cdot 10^{-6}$	-0.2915	$3.91 \cdot 10^{-5}$	$6.923 \cdot 10^{-5}$	-0.7706
sm	0	0	0	$3.306 \cdot 10^{-7}$	$3.306 \cdot 10^{-7}$	0

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

		interference			square	
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	$7.419 \cdot 10^{-8}$	$7.419 \cdot 10^{-8}$	0

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

		interference			square	
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	$1.912 \cdot 10^{-7}$	$1.912 \cdot 10^{-7}$	0

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

		interference			square	
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	$3.426 \cdot 10^{-7}$	$3.426 \cdot 10^{-7}$	0

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

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	$6.412 \cdot 10^{-8}$	$6.412 \cdot 10^{-8}$	$1.56 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
cpQM	$2.713 \cdot 10^{-5}$	$9.998 \cdot 10^{-6}$	0.6315	$3.859 \cdot 10^{-5}$	$7.049 \cdot 10^{-5}$	-0.8266
cpt	$-7.953 \cdot 10^{-5}$	$-7.698 \cdot 10^{-5}$	0.03206	$2.825 \cdot 10^{-5}$	$5.868 \cdot 10^{-5}$	-1.078
ctW	$-3.381 \cdot 10^{-12}$	0	1	$1.687 \cdot 10^{-17}$	0	1
ctWI	$3.373 \cdot 10^{-12}$	0	1	$2.58 \cdot 10^{-17}$	0	1
ctZ	$-7.376 \cdot 10^{-6}$	$-7.376 \cdot 10^{-6}$	$5.83 \cdot 10^{-7}$	$6.777 \cdot 10^{-5}$	$6.777 \cdot 10^{-5}$	$1.092 \cdot 10^{-6}$
ctZI	$-6.375 \cdot 10^{-7}$	$-6.375 \cdot 10^{-7}$	$5.804 \cdot 10^{-7}$	$3.821 \cdot 10^{-5}$	$3.821 \cdot 10^{-5}$	$1.099 \cdot 10^{-6}$
ctp	$-3.606 \cdot 10^{-5}$	$-3.606 \cdot 10^{-5}$	0	$4.702 \cdot 10^{-6}$	$4.702 \cdot 10^{-6}$	$2.127 \cdot 10^{-8}$
ctpI	$-2.975 \cdot 10^{-7}$	$-2.975 \cdot 10^{-7}$	0	$1.259 \cdot 10^{-6}$	$1.259 \cdot 10^{-6}$	0
sm	0	0	0	0.000139	0.000139	0

1.18 $HH \rightarrow zz$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.07754	0.07754	0

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
cbW	$3.465 \cdot 10^{-8}$	$4.211 \cdot 10^{-7}$	-11.15	$6.123 \cdot 10^{-7}$	$8.248 \cdot 10^{-6}$	-12.47
cbWI	$1.38 \cdot 10^{-8}$	$7.651 \cdot 10^{-8}$	-4.545	$2.334 \cdot 10^{-6}$	$1.031 \cdot 10^{-5}$	-3.416

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpQ3	$5.131 \cdot 10^{-7}$	$5.131 \cdot 10^{-7}$	$-1.949 \cdot 10^{-8}$	$2.215 \cdot 10^{-7}$	$2.215 \cdot 10^{-7}$	0
cptb	$-3.226 \cdot 10^{-8}$	$-3.226 \cdot 10^{-8}$	0	$2.072 \cdot 10^{-7}$	$2.072 \cdot 10^{-7}$	0
cptbI	$3.834 \cdot 10^{-9}$	$3.834 \cdot 10^{-9}$	0	$6.235 \cdot 10^{-7}$	$6.235 \cdot 10^{-7}$	$-1.604 \cdot 10^{-8}$
ctW	${\color{red}-4.902 \cdot 10^{-6}}$	${\color{red}-4.163 \cdot 10^{-6}}$	${\color{red}0.1508}$	${\color{red}9.994 \cdot 10^{-6}}$	${\color{red}2.969 \cdot 10^{-5}}$	${\color{red}-1.971}$
ctWI	${\color{red}2.719 \cdot 10^{-6}}$	${\color{red}-1.533 \cdot 10^{-6}}$	${\color{red}1.564}$	${\color{red}1.2 \cdot 10^{-5}}$	${\color{red}2.422 \cdot 10^{-5}}$	${\color{red}-1.019}$
ctZ	$-4.053 \cdot 10^{-7}$	$-4.053 \cdot 10^{-7}$	$5.428 \cdot 10^{-7}$	$2.255 \cdot 10^{-6}$	$2.255 \cdot 10^{-6}$	$1.109 \cdot 10^{-6}$
ctZI	$1.775 \cdot 10^{-6}$	$1.775 \cdot 10^{-6}$	$5.635 \cdot 10^{-7}$	$5.57 \cdot 10^{-5}$	$5.57 \cdot 10^{-5}$	$1.113 \cdot 10^{-6}$
ctp	$-1.013 \cdot 10^{-7}$	$-1.013 \cdot 10^{-7}$	0	$1.187 \cdot 10^{-8}$	$1.187 \cdot 10^{-8}$	0
ctpI	$-1.41 \cdot 10^{-7}$	$-1.41 \cdot 10^{-7}$	0	$2.187 \cdot 10^{-8}$	$2.187 \cdot 10^{-8}$	$-4.573 \cdot 10^{-8}$
sm	0	0	0	$3.196 \cdot 10^{-6}$	$3.196 \cdot 10^{-6}$	$-3.129 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.512 \cdot 10^{-8}$	$1.512 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01496	0.01496	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	0.007299	0.007299	$1.37 \cdot 10^{-8}$	2.24	2.24	0
cbWI	$7.594 \cdot 10^{-7}$	$7.594 \cdot 10^{-7}$	0	2.028	2.028	0

		interference			square	
cpQ3	-2.439	-2.439	0	1.03	1.03	0
cptb	-0.05405	-0.05405	0	0.4161	0.4161	0
cptbI	$-8.628 \cdot 10^{-6}$	$-8.628 \cdot 10^{-6}$	0	0.3438	0.3438	0
ctW	-0.2812	-0.2812	0	2.049	2.049	0
ctWI	-0.0007943	-0.0007943	0	1.47	1.47	0
ctp	0.05981	0.05981	$-1.672 \cdot 10^{-8}$	0.05073	0.05073	0
ctpI	-0.002473	-0.002473	0	0.05467	0.05467	0
sm	0	0	0	0.8838	0.8838	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.316 \cdot 10^{-8}$	$3.316 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.00222	0.00222	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-1.372 \cdot 10^{-6}$	$-1.372 \cdot 10^{-6}$	0	0.7001	0.7001	$-1.428 \cdot 10^{-8}$
cbWI	$1.371 \cdot 10^{-20}$	$1.417 \cdot 10^{-20}$	-0.03378	0.06656	0.06656	$-1.503 \cdot 10^{-8}$
sm	0	0	0	0.001007	0.001007	$-9.927 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctW	-0.6263	-0.6263	$5.748 \cdot 10^{-7}$	15.12	15.12	$1.191 \cdot 10^{-6}$
ctWI	$1.418 \cdot 10^{-16}$	$-1.084 \cdot 10^{-17}$	1.076	10.82	10.82	$1.202 \cdot 10^{-6}$
ctZ	0.8184	0.8184	$5.499 \cdot 10^{-7}$	8.29	8.29	$1.122 \cdot 10^{-6}$
ctZI	$-2.086 \cdot 10^{-16}$	$-9.064 \cdot 10^{-17}$	0.5655	6.651	6.651	$1.128 \cdot 10^{-6}$
ctp	-0.05084	-0.05084	0	0.00156	0.00156	$-6.41 \cdot 10^{-8}$
ctpI	$1.174 \cdot 10^{-17}$	$4.37 \cdot 10^{-18}$	0.6276	0.004466	0.004466	0
sm	0	0	0	0.5063	0.5063	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.001525	0.001525	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0005229	0.0005229	0

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

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

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cbW	0.001427	0.001427	0	1.153	1.153	0
cbWI	$3.185 \cdot 10^{-6}$	$3.185 \cdot 10^{-6}$	0	1.318	1.318	0
cpQ3	0.4586	0.4586	0	3.987	3.987	0
cpQM	0.1787	0.1787	0	0.7782	0.7782	0
cpb	−0.02643	−0.02643	$-3.784 \cdot 10^{-8}$	0.6549	0.6549	0
sm	0	0	0	0.01218	0.01218	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.01435	0.01435	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	1.327	1.327	0
cpt	−2.149	−2.149	0	1.005	1.005	0
ctW	$2.454 \cdot 10^{-8}$	0	1	$1.699 \cdot 10^{-12}$	0	1
ctWI	$1.884 \cdot 10^{-10}$	0	1	$1.566 \cdot 10^{-12}$	0	1
ctZ	−0.04241	−0.04241	$5.659 \cdot 10^{-7}$	3.547	3.547	$1.099 \cdot 10^{-6}$
ctZI	−0.0003279	−0.0003279	$5.49 \cdot 10^{-7}$	3.407	3.407	$1.086 \cdot 10^{-6}$
ctp	−0.01378	−0.01378	$7.258 \cdot 10^{-8}$	0.06664	0.06664	0
ctpI	−0.0004344	−0.0004344	$2.302 \cdot 10^{-8}$	0.06481	0.06481	0
sm	0	0	0	3.721	3.721	0

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

	interference			square		
	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$
sm	0	0	0	0.005394	0.005394	0

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

	interference			square		
	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$
cbW	$-9.048 \cdot 10^{-8}$	$-2.456 \cdot 10^{-6}$	-26.14	$4.596 \cdot 10^{-6}$	$6.438 \cdot 10^{-5}$	-13.01
cbWI	$-6.85 \cdot 10^{-9}$	$4.386 \cdot 10^{-7}$	65.04	$4.073 \cdot 10^{-6}$	0.0007958	-194.4
cpQ3	$-1.181 \cdot 10^{-6}$	$-1.181 \cdot 10^{-6}$	0	$3.327 \cdot 10^{-7}$	$3.327 \cdot 10^{-7}$	0
cpQM	$9.096 \cdot 10^{-7}$	$9.096 \cdot 10^{-7}$	$1.099 \cdot 10^{-8}$	$7.806 \cdot 10^{-8}$	$7.806 \cdot 10^{-8}$	0
cpb	$-4.27 \cdot 10^{-8}$	$-4.27 \cdot 10^{-8}$	0	$6.616 \cdot 10^{-8}$	$6.616 \cdot 10^{-8}$	$1.512 \cdot 10^{-8}$
cptb	$-2.193 \cdot 10^{-7}$	$-2.193 \cdot 10^{-7}$	0	$9.76 \cdot 10^{-7}$	$9.76 \cdot 10^{-7}$	0
cptbI	$2.182 \cdot 10^{-9}$	$2.182 \cdot 10^{-9}$	0	$1.274 \cdot 10^{-7}$	$1.274 \cdot 10^{-7}$	0
ctW	$-6.603 \cdot 10^{-6}$	$-6.603 \cdot 10^{-6}$	0	$4.39 \cdot 10^{-6}$	$4.39 \cdot 10^{-6}$	0
ctWI	$8.927 \cdot 10^{-7}$	$8.927 \cdot 10^{-7}$	0	$1.544 \cdot 10^{-6}$	$1.544 \cdot 10^{-6}$	0
ctp	$1.025 \cdot 10^{-6}$	$1.025 \cdot 10^{-6}$	0	$6.545 \cdot 10^{-8}$	$6.545 \cdot 10^{-8}$	0
ctpI	$8.876 \cdot 10^{-8}$	$8.876 \cdot 10^{-8}$	$1.127 \cdot 10^{-8}$	$5.362 \cdot 10^{-9}$	$5.362 \cdot 10^{-9}$	0
sm	0	0	0	$8.669 \cdot 10^{-6}$	$8.669 \cdot 10^{-6}$	$1.153 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1-\mathrm{mod2}/\mathrm{mod1}$
sm	0	0	0	$2.141 \cdot 10^{-6}$	$2.141 \cdot 10^{-6}$	0

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	$2.944 \cdot 10^{-6}$	$2.944 \cdot 10^{-6}$	0

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	$1.423 \cdot 10^{-7}$	$1.423 \cdot 10^{-7}$	0	$1.24 \cdot 10^{-8}$	$1.24 \cdot 10^{-8}$	0
cbWI	$5.265 \cdot 10^{-8}$	$5.265 \cdot 10^{-8}$	0	$1.408 \cdot 10^{-8}$	$1.408 \cdot 10^{-8}$	0
cpQ3	$8.075 \cdot 10^{-6}$	$8.075 \cdot 10^{-6}$	0	$6.367 \cdot 10^{-6}$	$6.367 \cdot 10^{-6}$	0
cpQM	$1.889 \cdot 10^{-6}$	$1.889 \cdot 10^{-6}$	0	$1.614 \cdot 10^{-6}$	$1.614 \cdot 10^{-6}$	0
cpt	$-3.582 \cdot 10^{-6}$	$-3.582 \cdot 10^{-6}$	0	$1.308 \cdot 10^{-6}$	$1.308 \cdot 10^{-6}$	0
cptb	$1.807 \cdot 10^{-8}$	$1.807 \cdot 10^{-8}$	0	$1.626 \cdot 10^{-9}$	$1.626 \cdot 10^{-9}$	0
cptbI	$5.41 \cdot 10^{-9}$	$5.41 \cdot 10^{-9}$	$-1.848 \cdot 10^{-8}$	$1.246 \cdot 10^{-9}$	$1.246 \cdot 10^{-9}$	0
ctW	$-1.017 \cdot 10^{-5}$	$-3.529 \cdot 10^{-5}$	-2.47	$3.674 \cdot 10^{-5}$	0.002931	-78.78
ctWI	$-4.077 \cdot 10^{-6}$	$2.961 \cdot 10^{-5}$	8.264	$2.661 \cdot 10^{-5}$	0.001166	-42.81
ctZ	$5.426 \cdot 10^{-8}$	$5.426 \cdot 10^{-8}$	$4.976 \cdot 10^{-7}$	$1.441 \cdot 10^{-7}$	$1.441 \cdot 10^{-7}$	$1.041 \cdot 10^{-6}$
ctZI	$1.639 \cdot 10^{-8}$	$1.639 \cdot 10^{-8}$	$5.492 \cdot 10^{-7}$	$2.755 \cdot 10^{-8}$	$2.755 \cdot 10^{-8}$	$1.125 \cdot 10^{-6}$
ctp	$2.276 \cdot 10^{-7}$	$2.276 \cdot 10^{-7}$	0	$4.456 \cdot 10^{-7}$	$4.456 \cdot 10^{-7}$	0
ctpI	$2.377 \cdot 10^{-8}$	$2.377 \cdot 10^{-8}$	0	$4.746 \cdot 10^{-7}$	$4.746 \cdot 10^{-7}$	0
sm	0	0	0	$1.985 \cdot 10^{-5}$	$1.985 \cdot 10^{-5}$	$5.038 \cdot 10^{-8}$

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	374.5	374.5	$2.67 \cdot 10^{-8}$

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	5.25	5.25	$-1.905 \cdot 10^{-8}$

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	$5.096 \cdot 10^{-7}$	$5.096 \cdot 10^{-7}$	$-5.887 \cdot 10^{-8}$

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	0
cQbqu1I	0	0	0	0.25	0.25	0
cQbqu8	0	0	0	0.05556	0.05556	0
cQbqu8I	0	0	0	0.05556	0.05556	0
cQq13	0.1613	0.1613	0	0.7626	0.7626	0
cQq83	$2.895 \cdot 10^{-10}$	$1.541 \cdot 10^{-18}$	1	0.04561	0.04561	0
cQtqd1	0	0	0	0.25	0.25	0
cQtqd1I	0	0	0	0.25	0.25	0
cQtqd8	0	0	0	0.05556	0.05556	0
cQtqd8I	0	0	0	0.05556	0.05556	0
cbQqd1	0	0	0	0.25	0.25	$4 \cdot 10^{-8}$
cbQqd1I	0	0	0	0.25	0.25	$4 \cdot 10^{-8}$
cbQqd8	0	0	0	0.05556	0.05556	$-1.44 \cdot 10^{-7}$

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cbQqd8I	0	0	0	0.05556	0.05556	$-1.44 \cdot 10^{-7}$
cbW	0.0003481	0.0003481	0	0.009415	0.009415	$1.062 \cdot 10^{-8}$
cbWI	$-5.402 \cdot 10^{-19}$	$4.497 \cdot 10^{-20}$	1.083	0.01314	0.01314	0
cbtud1	0	0	0	0.2491	0.2491	$-4.015 \cdot 10^{-8}$
cbtud1I	0	0	0	0.1454	0.1454	0
cbtud8	0	0	0	0.1218	0.1218	$-2.462 \cdot 10^{-7}$
cbtud8I	0	0	0	0.00438	0.00438	$-2.055 \cdot 10^{-7}$
cpQ3	0.000814	0.000814	$1.229 \cdot 10^{-8}$	$2.467 \cdot 10^{-5}$	$2.467 \cdot 10^{-5}$	0
cptb	$-2.193 \cdot 10^{-6}$	$-2.193 \cdot 10^{-6}$	0	$2.553 \cdot 10^{-5}$	$2.553 \cdot 10^{-5}$	0
cptbI	$-1.162 \cdot 10^{-21}$	$1.3 \cdot 10^{-21}$	2.119	$3.09 \cdot 10^{-6}$	$3.09 \cdot 10^{-6}$	$3.236 \cdot 10^{-8}$
ctQqu1	0	0	0	0.25	0.25	$4 \cdot 10^{-8}$
ctQqu1I	0	0	0	0.25	0.25	$8 \cdot 10^{-8}$
ctQqu8	0	0	0	0.05556	0.05556	$-1.44 \cdot 10^{-7}$
ctQqu8I	0	0	0	0.05556	0.05556	$-1.44 \cdot 10^{-7}$
ctW	0.0111	0.0111	0	0.01208	0.01208	0
ctWI	$3.725 \cdot 10^{-18}$	$2.088 \cdot 10^{-18}$	0.4394	0.01085	0.01085	0
sm	0	0	0	0.008533	0.008533	$1.172 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.4146	0.4146	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	0.007067	0.007067	$-4.245 \cdot 10^{-8}$

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	0.006293	0.006293	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	0.005847	0.005847	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cbW	$5.05 \cdot 10^{-6}$	$5.05 \cdot 10^{-6}$	$-3.96 \cdot 10^{-8}$	0.0006187	0.0006187	$-3.233 \cdot 10^{-8}$
cbWI	$-3.237 \cdot 10^{-23}$	$-6.783 \cdot 10^{-24}$	0.7904	0.0006186	0.0006186	$-3.233 \cdot 10^{-8}$
sm	0	0	0	$9.076 \cdot 10^{-5}$	$9.076 \cdot 10^{-5}$	$-3.305 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQe2	-0.01069	-0.01069	$-9.358 \cdot 10^{-8}$	0.2448	0.2448	0
cQl32	0.001182	0.001182	0	0.01244	0.01244	0
cQlM2	0.01521	0.01521	0	0.08011	0.08011	0
cbW	$1.575 \cdot 10^{-5}$	$1.575 \cdot 10^{-5}$	0	$9.318 \cdot 10^{-5}$	$9.318 \cdot 10^{-5}$	$1.073 \cdot 10^{-8}$

	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cbWI	$4.553\cdot10^{-16}$	$4.553\cdot10^{-16}$	$3.514\cdot10^{-7}$	0.0017	0.0017	0
cblS2	0	0	0	0.1667	0.1667	0
cblSI2	0	0	0	0.1667	0.1667	0
cpQ3	0.0003403	0.0003403	$2.939\cdot10^{-8}$	$1.681\cdot10^{-5}$	$1.681\cdot10^{-5}$	0
cpQM	$5.581\cdot10^{-5}$	$5.581\cdot10^{-5}$	$-3.584\cdot10^{-8}$	$5.009\cdot10^{-6}$	$5.009\cdot10^{-6}$	$-3.993\cdot10^{-8}$
cpb	$-2.013\cdot10^{-5}$	$-2.013\cdot10^{-5}$	$-4.968\cdot10^{-8}$	$2.897\cdot10^{-6}$	$2.897\cdot10^{-6}$	0
sm	0	0	0	0.0004327	0.0004327	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cQlM1	-0.02201	-0.02201	0	0.09427	0.09427	0
cbW	$-5.059\cdot10^{-6}$	$-5.059\cdot10^{-6}$	$-5.93\cdot10^{-8}$	0.0008089	0.0008089	$1.236\cdot10^{-8}$
cbWI	$-4.612\cdot10^{-21}$	$-8.255\cdot10^{-21}$	-0.79	0.0001924	0.0001924	0
cpQ3	0.0003692	0.0003692	0	$2.651\cdot10^{-5}$	$2.651\cdot10^{-5}$	0
cpQM	$7.129\cdot10^{-6}$	$7.129\cdot10^{-6}$	0	$2.561\cdot10^{-7}$	$2.561\cdot10^{-7}$	0
cpb	$-8.211\cdot10^{-6}$	$-8.211\cdot10^{-6}$	$-2.436\cdot10^{-8}$	$1.6\cdot10^{-6}$	$1.6\cdot10^{-6}$	0
sm	0	0	0	0.0001501	0.0001501	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
cQQ1	-0.001412	-0.001412	0	0.02456	0.02456	0
cQQ8	-0.002518	-0.002518	$3.971\cdot10^{-8}$	0.007566	0.007566	$3.965\cdot10^{-8}$
cQb1	0.04579	0.04579	$-2.184\cdot10^{-8}$	2.523	2.523	0
cQb8	-2.261	-2.261	0	0.5585	0.5585	0
cbW	-0.01166	-0.01166	0	0.214	0.214	0

cbWI	$1.87 \cdot 10^{-19}$	$1.688 \cdot 10^{-18}$	-8.029	0.01307	0.01307	0
cpQ3	-0.02943	-0.02943	0	0.0006995	0.0006995	$1.43 \cdot 10^{-8}$
cpQM	-0.07151	-0.07151	0	0.002387	0.002387	0
cpb	0.03204	0.03204	$-3.121 \cdot 10^{-8}$	0.007763	0.007763	$1.288 \cdot 10^{-8}$
sm	0	0	0	2.013	2.013	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	-0.0001667	-0.0001667	0	0.0115	0.0115	0
cQd8	0.535	0.535	0	0.1805	0.1805	0
cQq11	0.1935	0.1935	0	0.8836	0.8836	0
cQq13	0.1853	0.1853	0	0.8462	0.8462	0
cQq81	0.3505	0.3505	0	0.1183	0.1183	0
cQq83	0.5249	0.5249	0	0.1771	0.1771	0
cbQqd1	-0.01371	0	1	0.5	0.5	$4 \cdot 10^{-8}$
cbQqd1I	$1.995 \cdot 10^{-19}$	0	1	0.5	0.5	$4 \cdot 10^{-8}$
cbQqd8	$6.094 \cdot 10^{-10}$	0	1	0.1111	0.1111	$-9 \cdot 10^{-8}$
cbQqd8I	$-1.699 \cdot 10^{-20}$	0	1	0.1111	0.1111	$-9 \cdot 10^{-8}$
cbW	0.000219	0.000219	0	0.001459	0.001459	0
cbWI	$1.073 \cdot 10^{-17}$	$1.077 \cdot 10^{-17}$	-0.003114	0.001905	0.001905	0
cpQ3	$6.106 \cdot 10^{-5}$	$6.106 \cdot 10^{-5}$	$-1.638 \cdot 10^{-8}$	$7.497 \cdot 10^{-6}$	$7.497 \cdot 10^{-6}$	$-2.668 \cdot 10^{-8}$
cpQM	0.00137	0.00137	0	$4.428 \cdot 10^{-5}$	$4.428 \cdot 10^{-5}$	0
cpb	$-3.088 \cdot 10^{-5}$	$-3.088 \cdot 10^{-5}$	$-3.239 \cdot 10^{-8}$	$1.936 \cdot 10^{-6}$	$1.936 \cdot 10^{-6}$	$-5.164 \cdot 10^{-8}$
sm	0	0	0	0.8421	0.8421	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQQ1	-0.02093	-0.02093	0	0.02639	0.02639	0
cQQ8	-0.02789	-0.02789	$1.793 \cdot 10^{-7}$	0.107	0.107	0
cQb1	-0.005953	-0.005953	$-1.68 \cdot 10^{-8}$	0.2944	0.2944	0
cQb8	0.1082	0.1082	0	0.02997	0.02997	0
cQt1	-0.2379	-0.2379	0	0.5121	0.5121	0
cQt8	-0.078	-0.078	0	0.02997	0.02997	0
cQtQb1	0.002915	0.002915	0	1.196	1.196	0
cQtQb1I	$\color{blue}{-1.315 \cdot 10^{-18}}$	$\color{blue}{-1.154 \cdot 10^{-18}}$	$\color{blue}{0.1226}$	0.6501	0.6501	0
cQtQb8	0.002858	0.002858	0	0.1122	0.1122	0
cQtQb8I	$\color{blue}{-5.411 \cdot 10^{-19}}$	$\color{blue}{-4.515 \cdot 10^{-19}}$	$\color{blue}{0.1657}$	0.1226	0.1226	0
cbW	0.003973	0.003973	0	0.03758	0.03758	$2.661 \cdot 10^{-8}$
cbWI	$\color{blue}{-3.281 \cdot 10^{-18}}$	$\color{blue}{-4.872 \cdot 10^{-20}}$	$\color{blue}{0.9851}$	0.01873	0.01873	0
cpQ3	0.01383	0.01383	0	0.004685	0.004685	0
cpQM	-0.0006697	-0.0006697	$-1.493 \cdot 10^{-8}$	$4.709 \cdot 10^{-6}$	$4.709 \cdot 10^{-6}$	$-4.247 \cdot 10^{-8}$
cpb	$2.832 \cdot 10^{-5}$	$2.832 \cdot 10^{-5}$	0	$1.818 \cdot 10^{-5}$	$1.818 \cdot 10^{-5}$	0
cpt	-0.0008399	-0.0008399	$1.191 \cdot 10^{-8}$	$6.161 \cdot 10^{-6}$	$6.161 \cdot 10^{-6}$	0
cptb	-0.0001867	-0.0001867	0	0.0006426	0.0006426	0
cptbI	$\color{blue}{-7.255 \cdot 10^{-20}}$	$\color{blue}{2.478 \cdot 10^{-20}}$	$\color{blue}{1.342}$	0.005998	0.005998	$1.667 \cdot 10^{-8}$
ctG	0.116	0.116	0	0.03631	0.03631	0
ctGI	$\color{blue}{-2.911 \cdot 10^{-17}}$	$\color{blue}{-1.978 \cdot 10^{-18}}$	$\color{blue}{0.9321}$	0.02686	0.02686	0
ctW	-0.07216	-0.07216	$9.7 \cdot 10^{-8}$	0.1578	0.1578	$6.337 \cdot 10^{-8}$
ctWI	$\color{red}{1.101 \cdot 10^{-16}}$	$\color{red}{3.399 \cdot 10^{-16}}$	$\color{red}{-2.089}$	0.6007	0.6007	$1.665 \cdot 10^{-8}$
ctZ	0.02099	0.02099	$5.716 \cdot 10^{-7}$	0.002947	0.002947	$1.086 \cdot 10^{-6}$
ctZI	$\color{blue}{-4.426 \cdot 10^{-18}}$	$\color{blue}{-1.383 \cdot 10^{-18}}$	$\color{blue}{0.6875}$	0.003248	0.003248	$1.078 \cdot 10^{-6}$
ctb1	-0.005027	-0.005027	$-1.989 \cdot 10^{-8}$	0.08075	0.08075	0
ctb8	0.06605	0.06605	0	0.01572	0.01572	0
ctp	$-1.29 \cdot 10^{-5}$	$-1.29 \cdot 10^{-5}$	0	$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0

	interference			square		
ctpI	$-2.614 \cdot 10^{-22}$	$3.643 \cdot 10^{-22}$	2.393	$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
sm	0	0	0	0.4324	0.4324	0

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

	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	0
cQbqu1I	$9.637 \cdot 10^{-19}$	0	1	0.5	0.5	0
cQbqu8	$-1.622 \cdot 10^{-19}$	0	1	0.1111	0.1111	0
cQbqu8I	$4.793 \cdot 10^{-20}$	0	1	0.1111	0.1111	0
cQq11	-0.04489	-0.04489	$2.228 \cdot 10^{-8}$	0.2196	0.2196	0
cQq13	0.02125	0.02125	$4.707 \cdot 10^{-8}$	0.1039	0.1039	0
cQq81	0.0112	0.0112	0	0.003774	0.003774	0
cQq83	-0.2311	-0.2311	0	0.078	0.078	0
cQu1	$1.716 \cdot 10^{-5}$	$1.716 \cdot 10^{-5}$	0	0.0006331	0.0006331	0
cQu8	0.3024	0.3024	0	0.102	0.102	0
cbW	0.0001101	0.0001101	0	0.006421	0.006421	$1.557 \cdot 10^{-8}$
cbWI	$1.526 \cdot 10^{-18}$	$1.714 \cdot 10^{-18}$	-0.123	0.005632	0.005632	0
cpQ3	0.0005001	0.0005001	0	$3.416 \cdot 10^{-5}$	$3.416 \cdot 10^{-5}$	0
cpQM	0.0002806	0.0002806	0	$9.244 \cdot 10^{-6}$	$9.244 \cdot 10^{-6}$	0
cpb	$-3.891 \cdot 10^{-5}$	$-3.891 \cdot 10^{-5}$	$-5.14 \cdot 10^{-8}$	$7.931 \cdot 10^{-6}$	$7.931 \cdot 10^{-6}$	0
sm	0	0	0	0.5507	0.5507	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQl31	0.2062	0.2062	0	0.9745	0.9745	0

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
cbW	$6.151\cdot10^{-5}$	$6.151\cdot10^{-5}$	0		0.004285	0.004285	$2.334\cdot10^{-8}$
cbWI	$-4.688\cdot10^{-20}$	$2.01\cdot10^{-19}$	5.288		0.003463	0.003463	$2.888\cdot10^{-8}$
cblS1	0	0	0		0.08333	0.08333	0
cblSI1	0	0	0		0.08333	0.08333	0
cpQ3	0.0002842	0.0002842	$3.519\cdot10^{-8}$		$8.615\cdot10^{-6}$	$8.615\cdot10^{-6}$	$1.161\cdot10^{-8}$
cptb	$-7.312\cdot10^{-7}$	$-7.312\cdot10^{-7}$	$1.368\cdot10^{-8}$		$6.636\cdot10^{-6}$	$6.636\cdot10^{-6}$	$1.507\cdot10^{-8}$
cptbI	$1.491\cdot10^{-21}$	$-6.25\cdot10^{-22}$	1.419		$4.252\cdot10^{-6}$	$4.252\cdot10^{-6}$	0
ctW	0.0007448	0.0007448	$1.343\cdot10^{-8}$		0.002021	0.002021	0
ctWI	$7.508\cdot10^{-18}$	$9.12\cdot10^{-18}$	-0.2146		0.004362	0.004362	0
ctlS1	0	0	0		0.08333	0.08333	0
ctlSI1	0	0	0		0.08333	0.08333	0
ctlT1	0	0	0		0.3369	0.3369	0
ctlTI1	0	0	0		0.0643	0.0643	0
sm	0	0	0		0.0009673	0.0009673	$1.034\cdot10^{-8}$

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

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0		0.001186	0.001186	0

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

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0		0.01454	0.01454	0

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
sm	0	0	0	0.8891	0.8891	0

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
sm	0	0	0	0.0002982	0.0002982	$-3.353 \cdot 10^{-8}$

1.57 $\quad e^+ \nu_\mu \to e^+ \nu_\mu$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
sm	0	0	0	0.3799	0.3799	0

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
sm	0	0	0	0.00429	0.00429	$2.331 \cdot 10^{-8}$

1.59 $\quad e^+ \nu_e \to e^+ \nu_e$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2/mod1}$	mod1	mod2	$1 - \mathtt{mod2/mod1}$
sm	0	0	0	0.1574	0.1574	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.09531	0.09531	$-2.099 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0346	0.0346	0

1.62 $e^+e^- \to e^+e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.142	0.142	0

1.63 $gg \to gg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	33.86	33.86	0

1.64 $gg \to ggg$

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

| | | | | | 0.86 | 0.86 | | 0 |

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctG	0.1765	0.1765	0		0.09195	0.09195	0
ctGI	$1.438 \cdot 10^{-17}$	$1.526 \cdot 10^{-17}$	-0.06053		0.08448	0.08448	0
sm	0	0	0		1.008	1.008	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		0.3229	0.3229	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		0.002076	0.002076	0

1.68 $s\bar{s} \to s\bar{s}$

	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

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQl32	0.00937	0.00937	$1.067 \cdot 10^{-8}$	0.1163	0.1163	0
cQlM2	0.008576	0.008576	$1.166 \cdot 10^{-8}$	0.0495	0.0495	0
cpQM	$-2.086 \cdot 10^{-5}$	$-2.086 \cdot 10^{-5}$	$4.795 \cdot 10^{-8}$	$1.232 \cdot 10^{-6}$	$1.232 \cdot 10^{-6}$	0
cpt	$-1.064 \cdot 10^{-7}$	$-1.064 \cdot 10^{-7}$	$4.418 \cdot 10^{-6}$	$1.521 \cdot 10^{-6}$	$1.521 \cdot 10^{-6}$	0
ctW	$7.041 \cdot 10^{-11}$	0	1	$1.243 \cdot 10^{-15}$	0	1
ctWI	$-9.293 \cdot 10^{-26}$	0	1	$1.186 \cdot 10^{-15}$	0	1
ctZ	0.0008873	0.0008873	$5.861 \cdot 10^{-7}$	0.003316	0.003316	$1.086 \cdot 10^{-6}$
ctZI	$2.603 \cdot 10^{-19}$	$-2.546 \cdot 10^{-18}$	10.78	0.001735	0.001735	$1.095 \cdot 10^{-6}$
ctl2	-0.005124	-0.005124	$-3.903 \cdot 10^{-8}$	0.08123	0.08123	0
sm	0	0	0	0.0004638	0.0004638	$-4.313 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQe3	-0.01019	-0.01019	0	0.2023	0.2023	0
cQlM3	-0.05074	-0.05074	0	0.2147	0.2147	0
cpQM	-0.0003438	-0.0003438	0	$6.679 \cdot 10^{-6}$	$6.679 \cdot 10^{-6}$	$2.995 \cdot 10^{-8}$
cpt	-0.0001238	-0.0001238	0	$6.209 \cdot 10^{-6}$	$6.209 \cdot 10^{-6}$	$4.832 \cdot 10^{-8}$
ctW	0.004753	0.004753	$5.26 \cdot 10^{-7}$	0.01287	0.01287	$1.088 \cdot 10^{-6}$
ctWI	$2.228 \cdot 10^{-18}$	$-1.32 \cdot 10^{-18}$	1.592	0.01037	0.01037	$1.157 \cdot 10^{-6}$
ctZ	-0.007385	-0.007385	$5.281 \cdot 10^{-7}$	0.01176	0.01176	$1.106 \cdot 10^{-6}$
ctZI	$-1.49 \cdot 10^{-20}$	$-1.259 \cdot 10^{-20}$	0.1547	$1.914 \cdot 10^{-5}$	$1.914 \cdot 10^{-5}$	$1.097 \cdot 10^{-6}$
cte3	-0.03719	-0.03719	$-2.689 \cdot 10^{-8}$	0.2147	0.2147	0
ctl3	-0.00323	-0.00323	0	0.01102	0.01102	0

ctlS3	0.00332	0.00332	0	0.1668	0.1668	0
ctlSI3	$2.455 \cdot 10^{-19}$	$2.404 \cdot 10^{-19}$	0.02068	0.1668	0.1668	0
ctlT3	0.007543	0.007543	0	0.9026	0.9026	0
ctlTI3	$4.566 \cdot 10^{-19}$	$3.729 \cdot 10^{-19}$	0.1834	0.9026	0.9026	0
ctp	$-1.026 \cdot 10^{-6}$	$-1.026 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
ctpI	$-7.273 \cdot 10^{-23}$	$-9.962 \cdot 10^{-23}$	-0.3698	$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
sm	0	0	0	0.005017	0.005017	$-1.993 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQq11	0.1205	0.1205	0	0.5478	0.5478	0
cQq13	0.07494	0.07494	0	0.3393	0.3393	0
cQq81	0.04857	0.04857	0	0.009817	0.009817	0
cQq83	0.1987	0.1987	0	0.0605	0.0605	0
cQu1	0.02093	0.02093	$-4.777 \cdot 10^{-8}$	0.627	0.627	0
cQu8	0.1511	0.1511	0	0.04441	0.04441	0
cpQM	-0.0006805	-0.0006805	$1.469 \cdot 10^{-8}$	$1.882 \cdot 10^{-5}$	$1.882 \cdot 10^{-5}$	0
cpt	$-2.126 \cdot 10^{-5}$	$-2.126 \cdot 10^{-5}$	$9.408 \cdot 10^{-8}$	$1.204 \cdot 10^{-5}$	$1.204 \cdot 10^{-5}$	0
ctG	0.1977	0.1977	0	0.047	0.047	0
ctGI	$-8.823 \cdot 10^{-24}$	0	1	0.03755	0.03755	0
ctQqu1	-0.4725	0	1	0.5004	0.5004	$3.997 \cdot 10^{-8}$
ctQqu1I	$1.832 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.997 \cdot 10^{-8}$
ctQqu8	$2.1 \cdot 10^{-8}$	0	1	0.1112	0.1112	$-1.798 \cdot 10^{-7}$
ctQqu8I	$-4.948 \cdot 10^{-19}$	0	1	0.1112	0.1112	$-1.798 \cdot 10^{-7}$
ctW	0.005996	0.005996	$4.17 \cdot 10^{-7}$	0.01829	0.01829	$9.842 \cdot 10^{-7}$
ctWI	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.922 \cdot 10^{-7}$	0.02023	0.02023	$9.887 \cdot 10^{-7}$
ctZ	-0.005311	-0.005311	$5.272 \cdot 10^{-7}$	0.01777	0.01777	$1.125 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
ctZI	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$4.942 \cdot 10^{-7}$	0.01162	0.01162	$1.033 \cdot 10^{-6}$
ctq1	0.02402	0.02402	$-4.164 \cdot 10^{-8}$	0.627	0.627	0
ctq8	0.04763	0.04763	0	0.009499	0.009499	0
ctu1	0.06339	0.06339	$-1.578 \cdot 10^{-8}$	0.5478	0.5478	0
ctu8	0.2429	0.2429	0	0.07541	0.07541	0
sm	0	0	0	0.5891	0.5891	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cQd1	-0.001875	-0.001875	$-5.333 \cdot 10^{-8}$	0.0133	0.0133	0
cQd8	0.2553	0.2553	0	0.07957	0.07957	0
cQq11	-0.0594	-0.0594	0	0.2948	0.2948	0
cQq13	0.1912	0.1912	0	0.9397	0.9397	0
cQq81	0.1532	0.1532	0	0.04513	0.04513	0
cQq83	-0.5699	-0.5699	0	0.1858	0.1858	0
cQtqd1	-0.4725	0	1	0.5004	0.5004	0
cQtqd1I	$9.637 \cdot 10^{-19}$	0	1	0.5004	0.5004	0
cQtqd8	$-1.927 \cdot 10^{-19}$	0	1	0.1112	0.1112	0
cQtqd8I	$-1.446 \cdot 10^{-18}$	0	1	0.1112	0.1112	0
cpQM	-0.000414	-0.000414	$2.416 \cdot 10^{-8}$	$1.518 \cdot 10^{-5}$	$1.518 \cdot 10^{-5}$	0
cpt	0.0001078	0.0001078	0	$3.597 \cdot 10^{-5}$	$3.597 \cdot 10^{-5}$	$2.78 \cdot 10^{-8}$
ctG	0.1977	0.1977	0	0.04085	0.04085	0
ctGI	$2.941 \cdot 10^{-24}$	$5.147 \cdot 10^{-24}$	-0.75	0.0314	0.0314	0
ctW	0.002825	0.002825	$-3.54 \cdot 10^{-8}$	0.006581	0.006581	$3.951 \cdot 10^{-7}$
ctWI	$1.319 \cdot 10^{-15}$	$1.318 \cdot 10^{-15}$	0.0003188	0.004255	0.004255	$3.761 \cdot 10^{-7}$
ctZ	-0.0002125	-0.0002125	$4.236 \cdot 10^{-7}$	0.004617	0.004617	$1.083 \cdot 10^{-6}$
ctZI	$-1.399 \cdot 10^{-15}$	$-1.401 \cdot 10^{-15}$	-0.001438	0.004386	0.004386	$1.094 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctd1	-0.01201	-0.01201	0	0.2031	0.2031	0
ctd8	0.1532	0.1532	0	0.04513	0.04513	0
ctq1	$4.794 \cdot 10^{-5}$	$4.794 \cdot 10^{-5}$	$-3.567 \cdot 10^{-6}$	0.2095	0.2095	0
ctq8	0.5639	0.5639	0	0.1837	0.1837	0
sm	0	0	0	0.9886	0.9886	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd1	-0.01099	-0.01099	0	0.6641	0.6641	0
cQd8	0.4195	0.4195	0	0.135	0.135	0
cQq11	-0.07561	-0.07561	$1.323 \cdot 10^{-8}$	0.3741	0.3741	0
cQq13	0.03396	0.03396	0	0.1703	0.1703	0
cQq81	0.02197	0.02197	0	0.0008408	0.0008408	0
cQq83	-0.04982	-0.04982	0	0.01024	0.01024	0
cQtqd1	$\textcolor{red}{-0.4725}$	$\textcolor{red}{0}$	$\textcolor{red}{1}$	0.5004	0.5004	0
cQtqd1I	$\textcolor{blue}{-5.782 \cdot 10^{-18}}$	$\textcolor{blue}{0}$	$\textcolor{blue}{1}$	0.5004	0.5004	0
cQtqd8	$\textcolor{blue}{-8.464 \cdot 10^{-18}}$	$\textcolor{blue}{0}$	$\textcolor{blue}{1}$	0.1112	0.1112	0
cQtqd8I	$\textcolor{blue}{-2.293 \cdot 10^{-18}}$	$\textcolor{blue}{0}$	$\textcolor{blue}{1}$	0.1112	0.1112	0
cpQM	-0.0005298	-0.0005298	$1.888 \cdot 10^{-8}$	$1.904 \cdot 10^{-5}$	$1.904 \cdot 10^{-5}$	0
cpt	$2.453 \cdot 10^{-5}$	$2.453 \cdot 10^{-5}$	$-1.223 \cdot 10^{-7}$	$1.957 \cdot 10^{-6}$	$1.957 \cdot 10^{-6}$	0
ctG	0.1977	0.1977	0	0.04399	0.04399	0
ctGI	$\textcolor{blue}{0}$	$\textcolor{blue}{-7.353 \cdot 10^{-25}}$	$\textcolor{blue}{\infty}$	0.03454	0.03454	0
ctW	$3.808 \cdot 10^{-5}$	$3.808 \cdot 10^{-5}$	$1.323 \cdot 10^{-5}$	0.002019	0.002019	$3.466 \cdot 10^{-7}$
ctWI	$5.661 \cdot 10^{-13}$	$5.661 \cdot 10^{-13}$	$3.886 \cdot 10^{-7}$	0.00532	0.00532	$3.759 \cdot 10^{-7}$
ctZ	0.0002234	0.0002234	$7.163 \cdot 10^{-7}$	0.005496	0.005496	$1.092 \cdot 10^{-6}$
ctZI	$-4.956 \cdot 10^{-13}$	$-4.956 \cdot 10^{-13}$	$-5.327 \cdot 10^{-6}$	0.004226	0.004226	$1.088 \cdot 10^{-6}$
ctd1	-0.0006302	-0.0006302	$-3.174 \cdot 10^{-8}$	0.003784	0.003784	0

		interference				square	
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
ctd8	0.02197	0.02197	0		0.0008408	0.0008408	0
ctq1	0.02123	0.02123	$-4.71 \cdot 10^{-8}$		0.9375	0.9375	0
ctq8	0.1104	0.1104	0		0.03067	0.03067	0
sm	0	0	0		0.5971	0.5971	0

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

		interference				square	
	mod1	mod2	$1 - \text{mod2/mod1}$		mod1	mod2	$1 - \text{mod2/mod1}$
cQQ1	-0.2351	-0.2351	0		1.243	1.243	0
cQQ8	-0.001786	-0.001786	$5.6 \cdot 10^{-8}$		0.02111	0.02111	0
cQt1	-0.542	-0.542	$-1.845 \cdot 10^{-8}$		7.925	7.925	0
cQt8	-0.327	-0.327	0		2.928	2.928	0
cpQM	0.1968	0.1968	0		0.009418	0.009418	0
cpt	-0.03667	-0.03667	0		0.008769	0.008769	0
ctG	0.2162	0.2162	0		0.7323	0.7323	0
ctGI	$1.388 \cdot 10^{-16}$	$1.287 \cdot 10^{-16}$	0.0725		0.6638	0.6638	0
ctW	-0.05729	-0.05729	$4.887 \cdot 10^{-7}$		0.1414	0.1414	$9.191 \cdot 10^{-7}$
ctWI	$1.438 \cdot 10^{-17}$	$3.448 \cdot 10^{-17}$	-1.397		0.1084	0.1084	$9.227 \cdot 10^{-7}$
ctZ	0.04565	0.04565	$5.476 \cdot 10^{-7}$		0.107	0.107	$1.028 \cdot 10^{-6}$
ctZI	$-9.603 \cdot 10^{-17}$	$-4.688 \cdot 10^{-17}$	0.5118		0.6871	0.6871	$1.092 \cdot 10^{-6}$
ctp	0.04328	0.04328	0		0.008428	0.008428	0
ctpI	$1.239 \cdot 10^{-17}$	$6.353 \cdot 10^{-18}$	0.4872		0.004989	0.004989	0
ctt1	-0.4298	-0.4298	0		4.973	4.973	0
sm	0	0	0		1.33	1.33	0

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

	interference		square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		0.0123	0.0123	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.002805	0.002805	$3.564 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	1.55	1.55	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0009222	0.0009222	0

1.79 $u\bar{u} \to u\bar{u}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	3.963	3.963	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	38.36	38.36	$5.214 \cdot 10^{-8}$

1.81 $zz \to zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.08094	0.08094	0

2 By parameter point

2.1 cQQ1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.001412	-0.001412	0	0.02456	0.02456	0
$b\bar{b} \to t\bar{t}$	-0.02093	-0.02093	0	0.02639	0.02639	0
$t\bar{t} \to t\bar{t}$	-0.2351	-0.2351	0	1.243	1.243	0

2.2 cQQ8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.002518	-0.002518	$3.971 \cdot 10^{-8}$	0.007566	0.007566	$3.965 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	-0.02789	-0.02789	$1.793 \cdot 10^{-7}$	0.107	0.107	0

$t\bar{t} \to t\bar{t}$	-0.001786	-0.001786	$5.6 \cdot 10^{-8}$	0.02111	0.02111	0

2.3   cQb1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	0.04579	0.04579	$-2.184 \cdot 10^{-8}$	2.523	2.523	0
$b\bar{b} \to t\bar{t}$	-0.005953	-0.005953	$-1.68 \cdot 10^{-8}$	0.2944	0.2944	0

2.4   cQb8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-2.261	-2.261	0	0.5585	0.5585	0
$b\bar{b} \to t\bar{t}$	0.1082	0.1082	0	0.02997	0.02997	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	0
$b\bar{b} \to u\bar{u}$	-0.01371	0	1	0.5	0.5	0

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	0

$b\bar{b} \to u\bar{u}$	$9.637 \cdot 10^{-19}$	0	1	0.5	0.5	0

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	0
$b\bar{b} \to u\bar{u}$	$-1.622 \cdot 10^{-19}$	0	1	0.1111	0.1111	0

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	0
$b\bar{b} \to u\bar{u}$	$4.793 \cdot 10^{-20}$	0	1	0.1111	0.1111	0

2.9 cQd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	-0.0001667	-0.0001667	0	0.0115	0.0115	0
$t\bar{t} \to d\bar{d}$	-0.001875	-0.001875	$-5.333 \cdot 10^{-8}$	0.0133	0.0133	0
$t\bar{t} \to s\bar{s}$	-0.01099	-0.01099	0	0.6641	0.6641	0

2.10 cQd8

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

$b\bar{b} \to d\bar{d}$	0.535	0.535	0	0.1805	0.1805	0
$t\bar{t} \to d\bar{d}$	0.2553	0.2553	0	0.07957	0.07957	0
$t\bar{t} \to s\bar{s}$	0.4195	0.4195	0	0.135	0.135	0

2.11 cQe2

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	-0.01069	-0.01069	$-9.358 \cdot 10^{-8}$	0.2448	0.2448	0

2.12 cQe3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.01019	-0.01019	0	0.2023	0.2023	0

2.13 cQl31

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^- \bar{\nu}_e$	0.2062	0.2062	0	0.9745	0.9745	0

2.14 cQl32

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	0.001182	0.001182	0	0.01244	0.01244	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.00937	0.00937	$1.067 \cdot 10^{-8}$	0.1163	0.1163	0

2.15   cQlM1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \nu_e \bar{\nu}_e$	-0.02201	-0.02201	0	0.09427	0.09427	0

2.16   cQlM2

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+ \mu^-$	0.01521	0.01521	0	0.08011	0.08011	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.008576	0.008576	$1.166 \cdot 10^{-8}$	0.0495	0.0495	0

2.17   cQlM3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+ \tau^-$	-0.05074	-0.05074	0	0.2147	0.2147	0

2.18   cQq11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.1935	0.1935	0	0.8836	0.8836	0
$b\bar{b} \to u\bar{u}$	-0.04489	-0.04489	$2.228 \cdot 10^{-8}$	0.2196	0.2196	0
$t\bar{t} \to c\bar{c}$	0.1205	0.1205	0	0.5478	0.5478	0
$t\bar{t} \to d\bar{d}$	-0.0594	-0.0594	0	0.2948	0.2948	0
$t\bar{t} \to s\bar{s}$	-0.07561	-0.07561	$1.323 \cdot 10^{-8}$	0.3741	0.3741	0

2.19   cQq13

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0.1613	0.1613	0	0.7626	0.7626	0
$b\bar{b} \to d\bar{d}$	0.1853	0.1853	0	0.8462	0.8462	0
$b\bar{b} \to u\bar{u}$	0.02125	0.02125	$4.707 \cdot 10^{-8}$	0.1039	0.1039	0
$t\bar{t} \to c\bar{c}$	0.07494	0.07494	0	0.3393	0.3393	0
$t\bar{t} \to d\bar{d}$	0.1912	0.1912	0	0.9397	0.9397	0
$t\bar{t} \to s\bar{s}$	0.03396	0.03396	0	0.1703	0.1703	0

2.20   cQq81

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to d\bar{d}$	0.3505	0.3505	0	0.1183	0.1183	0
$b\bar{b} \to u\bar{u}$	0.0112	0.0112	0	0.003774	0.003774	0
$t\bar{t} \to c\bar{c}$	0.04857	0.04857	0	0.009817	0.009817	0
$t\bar{t} \to d\bar{d}$	0.1532	0.1532	0	0.04513	0.04513	0
$t\bar{t} \to s\bar{s}$	0.02197	0.02197	0	0.0008408	0.0008408	0

2.21   cQq83

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	$2.895 \cdot 10^{-10}$	$1.541 \cdot 10^{-18}$	1	0.04561	0.04561	0
$b\bar{b} \to d\bar{d}$	0.5249	0.5249	0	0.1771	0.1771	0
$b\bar{b} \to u\bar{u}$	−0.2311	−0.2311	0	0.078	0.078	0
$t\bar{t} \to c\bar{c}$	0.1987	0.1987	0	0.0605	0.0605	0

	mod1	mod2			mod1	mod2	
$t\bar{t} \to d\bar{d}$	-0.5699	-0.5699	0		0.1858	0.1858	0
$t\bar{t} \to s\bar{s}$	-0.04982	-0.04982	0		0.01024	0.01024	0

2.22 cQt1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.2379	-0.2379	0		0.5121	0.5121	0
$t\bar{t} \to t\bar{t}$	-0.542	-0.542	$-1.845 \cdot 10^{-8}$		7.925	7.925	0

2.23 cQt8

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.078	-0.078	0		0.02997	0.02997	0
$t\bar{t} \to t\bar{t}$	-0.327	-0.327	0		2.928	2.928	0

2.24 cQtQb1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.002915	0.002915	0		1.196	1.196	0

2.25 cQtQb1I

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	$-1.315 \cdot 10^{-18}$	$-1.154 \cdot 10^{-18}$	0.1226		0.6501	0.6501	0

2.26 cQtQb8

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.002858	0.002858	0	0.1122	0.1122	0

2.27 cQtQb8I

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	$-5.411 \cdot 10^{-19}$	$-4.515 \cdot 10^{-19}$	0.1657	0.1226	0.1226	0

2.28 cQtqd1

	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	0
$t\bar{t} \to d\bar{d}$	-0.4725	0	1	0.5004	0.5004	0
$t\bar{t} \to s\bar{s}$	-0.4725	0	1	0.5004	0.5004	0

2.29 cQtqd1I

	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	0
$t\bar{t} \to d\bar{d}$	$9.637 \cdot 10^{-19}$	0	1	0.5004	0.5004	0
$t\bar{t} \to s\bar{s}$	$-5.782 \cdot 10^{-18}$	0	1	0.5004	0.5004	0

2.30 cQtqd8

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	0
$t\bar{t} \to d\bar{d}$	$-1.927 \cdot 10^{-19}$	0	1	0.1112	0.1112	0
$t\bar{t} \to s\bar{s}$	$-8.464 \cdot 10^{-18}$	0	1	0.1112	0.1112	0

2.31 cQtqd8I

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	0
$t\bar{t} \to d\bar{d}$	$-1.446 \cdot 10^{-18}$	0	1	0.1112	0.1112	0
$t\bar{t} \to s\bar{s}$	$-2.293 \cdot 10^{-18}$	0	1	0.1112	0.1112	0

2.32 cQu1

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$b\bar{b} \to u\bar{u}$	$1.716 \cdot 10^{-5}$	$1.716 \cdot 10^{-5}$	0	0.0006331	0.0006331	0
$t\bar{t} \to c\bar{c}$	0.02093	0.02093	$-4.777 \cdot 10^{-8}$	0.627	0.627	0

2.33 cQu8

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
$b\bar{b} \to u\bar{u}$	0.3024	0.3024	0	0.102	0.102	0

| $t\bar{t} \to c\bar{c}$ | 0.1511 | 0.1511 | 0 | 0.04441 | 0.04441 | 0 |

2.34 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	$4 \cdot 10^{-8}$
$b\bar{b} \to d\bar{d}$	−0.01371	0	1	0.5	0.5	$4 \cdot 10^{-8}$

2.35 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	$4 \cdot 10^{-8}$
$b\bar{b} \to d\bar{d}$	$1.995 \cdot 10^{-19}$	0	1	0.5	0.5	$4 \cdot 10^{-8}$

2.36 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	$-1.44 \cdot 10^{-7}$
$b\bar{b} \to d\bar{d}$	$6.094 \cdot 10^{-10}$	0	1	0.1111	0.1111	$-9 \cdot 10^{-8}$

2.37 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	$-1.44 \cdot 10^{-7}$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to d\bar{d}$	$-1.699 \cdot 10^{-20}$	0	1	0.1111	0.1111	$-9 \cdot 10^{-8}$

2.38 cbW

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to W^+\bar{t}b$	$2.494 \cdot 10^{-7}$	$2.494 \cdot 10^{-7}$	0	$2.018 \cdot 10^{-5}$	$2.018 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$7.75 \cdot 10^{-8}$	$7.75 \cdot 10^{-8}$	$1.29 \cdot 10^{-8}$	$3.316 \cdot 10^{-6}$	$3.316 \cdot 10^{-6}$	$3.015 \cdot 10^{-8}$
$HW^+ \to \gamma t\bar{b}$	$3.465 \cdot 10^{-8}$	$4.211 \cdot 10^{-7}$	-11.15	$6.123 \cdot 10^{-7}$	$8.248 \cdot 10^{-6}$	-12.47
$HW^- \to \bar{t}b$	0.007299	0.007299	$1.37 \cdot 10^{-8}$	2.24	2.24	0
$H\gamma \to b\bar{b}$	$-1.372 \cdot 10^{-6}$	$-1.372 \cdot 10^{-6}$	0	0.7001	0.7001	$-1.428 \cdot 10^{-8}$
$Hz \to b\bar{b}$	0.001427	0.001427	0	1.153	1.153	0
$W^+W^- \to Hb\bar{b}$	$-9.048 \cdot 10^{-8}$	$-2.456 \cdot 10^{-6}$	-26.14	$4.596 \cdot 10^{-6}$	$6.438 \cdot 10^{-5}$	-13.01
$W^+W^- \to Ht\bar{t}$	$1.423 \cdot 10^{-7}$	$1.423 \cdot 10^{-7}$	0	$1.24 \cdot 10^{-8}$	$1.24 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	0.0003481	0.0003481	0	0.009415	0.009415	$1.062 \cdot 10^{-8}$
$b\bar{b} \to \gamma\gamma$	$5.05 \cdot 10^{-6}$	$5.05 \cdot 10^{-6}$	$-3.96 \cdot 10^{-8}$	0.0006187	0.0006187	$-3.233 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	$1.575 \cdot 10^{-5}$	$1.575 \cdot 10^{-5}$	0	$9.318 \cdot 10^{-5}$	$9.318 \cdot 10^{-5}$	$1.073 \cdot 10^{-8}$
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-5.059 \cdot 10^{-6}$	$-5.059 \cdot 10^{-6}$	$-5.93 \cdot 10^{-8}$	0.0008089	0.0008089	$1.236 \cdot 10^{-8}$
$b\bar{b} \to b\bar{b}$	-0.01166	-0.01166	0	0.214	0.214	0
$b\bar{b} \to d\bar{d}$	0.000219	0.000219	0	0.001459	0.001459	0
$b\bar{b} \to t\bar{t}$	0.003973	0.003973	0	0.03758	0.03758	$2.661 \cdot 10^{-8}$
$b\bar{b} \to u\bar{u}$	0.0001101	0.0001101	0	0.006421	0.006421	$1.557 \cdot 10^{-8}$
$b\bar{t} \to e^-\bar{\nu}_e$	$6.151 \cdot 10^{-5}$	$6.151 \cdot 10^{-5}$	0	0.004285	0.004285	$2.334 \cdot 10^{-8}$

2.39 cbWI

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to W^+\bar{t}b$	$-9.06 \cdot 10^{-7}$	$-9.06 \cdot 10^{-7}$	0	$1.074 \cdot 10^{-5}$	$1.074 \cdot 10^{-5}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$HH \to z\bar{b}b$	$-1.998 \cdot 10^{-8}$	$-1.998 \cdot 10^{-8}$	0	$9.344 \cdot 10^{-7}$	$9.344 \cdot 10^{-7}$	0
$HW^+ \to \gamma t\bar{b}$	$1.38 \cdot 10^{-8}$	$7.651 \cdot 10^{-8}$	-4.545	$2.334 \cdot 10^{-6}$	$1.031 \cdot 10^{-5}$	-3.416
$HW^- \to \bar{t}b$	$7.594 \cdot 10^{-7}$	$7.594 \cdot 10^{-7}$	0	2.028	2.028	0
$H\gamma \to b\bar{b}$	$1.371 \cdot 10^{-20}$	$1.417 \cdot 10^{-20}$	-0.03378	0.06656	0.06656	$-1.503 \cdot 10^{-8}$
$Hz \to b\bar{b}$	$3.185 \cdot 10^{-6}$	$3.185 \cdot 10^{-6}$	0	1.318	1.318	0
$W^+W^- \to Hb\bar{b}$	$-6.85 \cdot 10^{-9}$	$4.386 \cdot 10^{-7}$	65.04	$4.073 \cdot 10^{-6}$	0.0007958	-194.4
$W^+W^- \to Ht\bar{t}$	$5.265 \cdot 10^{-8}$	$5.265 \cdot 10^{-8}$	0	$1.408 \cdot 10^{-8}$	$1.408 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	$-5.402 \cdot 10^{-19}$	$4.497 \cdot 10^{-20}$	1.083	0.01314	0.01314	0
$b\bar{b} \to \gamma\gamma$	$-3.237 \cdot 10^{-23}$	$-6.783 \cdot 10^{-24}$	0.7904	0.0006186	0.0006186	$-3.233 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	$4.553 \cdot 10^{-16}$	$4.553 \cdot 10^{-16}$	$3.514 \cdot 10^{-7}$	0.0017	0.0017	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-4.612 \cdot 10^{-21}$	$-8.255 \cdot 10^{-21}$	-0.79	0.0001924	0.0001924	0
$b\bar{b} \to b\bar{b}$	$1.87 \cdot 10^{-19}$	$1.688 \cdot 10^{-18}$	-8.029	0.01307	0.01307	0
$b\bar{b} \to d\bar{d}$	$1.073 \cdot 10^{-17}$	$1.077 \cdot 10^{-17}$	-0.003114	0.001905	0.001905	0
$b\bar{b} \to t\bar{t}$	$-3.281 \cdot 10^{-18}$	$-4.872 \cdot 10^{-20}$	0.9851	0.01873	0.01873	0
$b\bar{b} \to u\bar{u}$	$1.526 \cdot 10^{-18}$	$1.714 \cdot 10^{-18}$	-0.123	0.005632	0.005632	0
$b\bar{t} \to e^-\bar{\nu}_e$	$-4.688 \cdot 10^{-20}$	$2.01 \cdot 10^{-19}$	5.288	0.003463	0.003463	$2.888 \cdot 10^{-8}$

2.40 cblS1

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

2.41 cblS2

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

2.42 cblSI1

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

2.43 cblSI2

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

2.44 cbtud1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.2491	0.2491	$-4.015 \cdot 10^{-8}$

2.45 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	0.1454	0.1454	0

2.46 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		0.1218	0.1218	$-2.462 \cdot 10^{-7}$

2.47 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	0.00438	0.00438	$-2.055 \cdot 10^{-7}$

2.48 cpQ3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-9.182 \cdot 10^{-6}$	$-1.536 \cdot 10^{-5}$	-0.6726	$4.185 \cdot 10^{-5}$	$4.068 \cdot 10^{-5}$	0.02797
$HH \to z\bar{b}b$	$6.958 \cdot 10^{-6}$	$1.367 \cdot 10^{-5}$	-0.9643	$1.729 \cdot 10^{-5}$	0.0001009	-4.838
$HW^+ \to \gamma t\bar{b}$	$5.131 \cdot 10^{-7}$	$5.131 \cdot 10^{-7}$	$-1.949 \cdot 10^{-8}$	$2.215 \cdot 10^{-7}$	$2.215 \cdot 10^{-7}$	0
$HW^- \to \bar{t}b$	-2.439	-2.439	0	1.03	1.03	0
$Hz \to b\bar{b}$	0.4586	0.4586	0	3.987	3.987	0
$W^+W^- \to Hb\bar{b}$	$-1.181 \cdot 10^{-6}$	$-1.181 \cdot 10^{-6}$	0	$3.327 \cdot 10^{-7}$	$3.327 \cdot 10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$8.075 \cdot 10^{-6}$	$8.075 \cdot 10^{-6}$	0	$6.367 \cdot 10^{-6}$	$6.367 \cdot 10^{-6}$	0
$\bar{b}t \to \bar{d}u$	0.000814	0.000814	$1.229 \cdot 10^{-8}$	$2.467 \cdot 10^{-5}$	$2.467 \cdot 10^{-5}$	0
$b\bar{b} \to \mu^+\mu^-$	0.0003403	0.0003403	$2.939 \cdot 10^{-8}$	$1.681 \cdot 10^{-5}$	$1.681 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.0003692	0.0003692	0	$2.651 \cdot 10^{-5}$	$2.651 \cdot 10^{-5}$	0
$b\bar{b} \to b\bar{b}$	-0.02943	-0.02943	0	0.0006995	0.0006995	$1.43 \cdot 10^{-8}$
$b\bar{b} \to d\bar{d}$	$6.106 \cdot 10^{-5}$	$6.106 \cdot 10^{-5}$	$-1.638 \cdot 10^{-8}$	$7.497 \cdot 10^{-6}$	$7.497 \cdot 10^{-6}$	$-2.668 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	0.01383	0.01383	0	0.004685	0.004685	0
$b\bar{b} \to u\bar{u}$	0.0005001	0.0005001	0	$3.416 \cdot 10^{-5}$	$3.416 \cdot 10^{-5}$	0
$b\bar{t} \to e^-\bar{\nu}_e$	0.0002842	0.0002842	$3.519 \cdot 10^{-8}$	$8.615 \cdot 10^{-6}$	$8.615 \cdot 10^{-6}$	$1.161 \cdot 10^{-8}$

2.49 cpQM

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$6.357 \cdot 10^{-6}$	$7.518 \cdot 10^{-6}$	-0.1828		$1.784 \cdot 10^{-5}$	$3.025 \cdot 10^{-5}$	-0.6955
$HH \to zt\bar{t}$	$2.713 \cdot 10^{-5}$	$9.998 \cdot 10^{-6}$	0.6315		$3.859 \cdot 10^{-5}$	$7.049 \cdot 10^{-5}$	-0.8266
$Hz \to b\bar{b}$	0.1787	0.1787	0		0.7782	0.7782	0
$Hz \to t\bar{t}$	2.071	2.071	0		1.327	1.327	0
$W^+W^- \to Hb\bar{b}$	$9.096 \cdot 10^{-7}$	$9.096 \cdot 10^{-7}$	$1.099 \cdot 10^{-8}$		$7.806 \cdot 10^{-8}$	$7.806 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$1.889 \cdot 10^{-6}$	$1.889 \cdot 10^{-6}$	0		$1.614 \cdot 10^{-6}$	$1.614 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+\mu^-$	$5.581 \cdot 10^{-5}$	$5.581 \cdot 10^{-5}$	$-3.584 \cdot 10^{-8}$		$5.009 \cdot 10^{-6}$	$5.009 \cdot 10^{-6}$	$-3.993 \cdot 10^{-8}$
$b\bar{b} \to \nu_e\bar{\nu}_e$	$7.129 \cdot 10^{-6}$	$7.129 \cdot 10^{-6}$	0		$2.561 \cdot 10^{-7}$	$2.561 \cdot 10^{-7}$	0
$b\bar{b} \to b\bar{b}$	-0.07151	-0.07151	0		0.002387	0.002387	0
$b\bar{b} \to d\bar{d}$	0.00137	0.00137	0		$4.428 \cdot 10^{-5}$	$4.428 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.0006697	-0.0006697	$-1.493 \cdot 10^{-8}$		$4.709 \cdot 10^{-6}$	$4.709 \cdot 10^{-6}$	$-4.247 \cdot 10^{-8}$
$b\bar{b} \to u\bar{u}$	0.0002806	0.0002806	0		$9.244 \cdot 10^{-6}$	$9.244 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-2.086 \cdot 10^{-5}$	$-2.086 \cdot 10^{-5}$	$4.795 \cdot 10^{-8}$		$1.232 \cdot 10^{-6}$	$1.232 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	-0.0003438	-0.0003438	0		$6.679 \cdot 10^{-6}$	$6.679 \cdot 10^{-6}$	$2.995 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	-0.0006805	-0.0006805	$1.469 \cdot 10^{-8}$		$1.882 \cdot 10^{-5}$	$1.882 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	-0.000414	-0.000414	$2.416 \cdot 10^{-8}$		$1.518 \cdot 10^{-5}$	$1.518 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	-0.0005298	-0.0005298	$1.888 \cdot 10^{-8}$		$1.904 \cdot 10^{-5}$	$1.904 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.1968	0.1968	0		0.009418	0.009418	0

2.50 cpb

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$-2.701 \cdot 10^{-6}$	$-3.488 \cdot 10^{-6}$	-0.2915		$3.91 \cdot 10^{-5}$	$6.923 \cdot 10^{-5}$	-0.7706
$Hz \to b\bar{b}$	-0.02643	-0.02643	$-3.784 \cdot 10^{-8}$		0.6549	0.6549	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$W^+W^- \to Hb\bar{b}$	$-4.27 \cdot 10^{-8}$	$-4.27 \cdot 10^{-8}$	0		$6.616 \cdot 10^{-8}$	$6.616 \cdot 10^{-8}$	$1.512 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	$-2.013 \cdot 10^{-5}$	$-2.013 \cdot 10^{-5}$	$-4.968 \cdot 10^{-8}$		$2.897 \cdot 10^{-6}$	$2.897 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	$-8.211 \cdot 10^{-6}$	$-8.211 \cdot 10^{-6}$	$-2.436 \cdot 10^{-8}$		$1.6 \cdot 10^{-6}$	$1.6 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	0.03204	0.03204	$-3.121 \cdot 10^{-8}$		0.007763	0.007763	$1.288 \cdot 10^{-8}$
$b\bar{b} \to d\bar{d}$	$-3.088 \cdot 10^{-5}$	$-3.088 \cdot 10^{-5}$	$-3.239 \cdot 10^{-8}$		$1.936 \cdot 10^{-6}$	$1.936 \cdot 10^{-6}$	$-5.164 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	$2.832 \cdot 10^{-5}$	$2.832 \cdot 10^{-5}$	0		$1.818 \cdot 10^{-5}$	$1.818 \cdot 10^{-5}$	0
$b\bar{b} \to u\bar{u}$	$-3.891 \cdot 10^{-5}$	$-3.891 \cdot 10^{-5}$	$-5.14 \cdot 10^{-8}$		$7.931 \cdot 10^{-6}$	$7.931 \cdot 10^{-6}$	0

2.51 cpt

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$-7.953 \cdot 10^{-5}$	$-7.698 \cdot 10^{-5}$	0.03206		$2.825 \cdot 10^{-5}$	$5.868 \cdot 10^{-5}$	-1.078
$Hz \to t\bar{t}$	-2.149	-2.149	0		1.005	1.005	0
$W^+W^- \to Ht\bar{t}$	$-3.582 \cdot 10^{-6}$	$-3.582 \cdot 10^{-6}$	0		$1.308 \cdot 10^{-6}$	$1.308 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.0008399	-0.0008399	$1.191 \cdot 10^{-8}$		$6.161 \cdot 10^{-6}$	$6.161 \cdot 10^{-6}$	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-1.064 \cdot 10^{-7}$	$-1.064 \cdot 10^{-7}$	$4.418 \cdot 10^{-6}$		$1.521 \cdot 10^{-6}$	$1.521 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	-0.0001238	-0.0001238	0		$6.209 \cdot 10^{-6}$	$6.209 \cdot 10^{-6}$	$4.832 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	$-2.126 \cdot 10^{-5}$	$-2.126 \cdot 10^{-5}$	$9.408 \cdot 10^{-8}$		$1.204 \cdot 10^{-5}$	$1.204 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	0.0001078	0.0001078	0		$3.597 \cdot 10^{-5}$	$3.597 \cdot 10^{-5}$	$2.78 \cdot 10^{-8}$
$t\bar{t} \to s\bar{s}$	$2.453 \cdot 10^{-5}$	$2.453 \cdot 10^{-5}$	$-1.223 \cdot 10^{-7}$		$1.957 \cdot 10^{-6}$	$1.957 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	-0.03667	-0.03667	0		0.008769	0.008769	0

2.52 cptb

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-6.952 \cdot 10^{-7}$	$-4.345 \cdot 10^{-7}$	0.3751		$2.117 \cdot 10^{-6}$	$1.094 \cdot 10^{-5}$	-4.169
$H\bar{W}^+ \to \gamma t\bar{b}$	$-3.226 \cdot 10^{-8}$	$-3.226 \cdot 10^{-8}$	0		$2.072 \cdot 10^{-7}$	$2.072 \cdot 10^{-7}$	0

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HW^- \to \bar{t}b$	-0.05405	-0.05405	0		0.4161	0.4161	0
$W^+W^- \to Hb\bar{b}$	$-2.193\cdot10^{-7}$	$-2.193\cdot10^{-7}$	0		$9.76\cdot10^{-7}$	$9.76\cdot10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$1.807\cdot10^{-8}$	$1.807\cdot10^{-8}$	0		$1.626\cdot10^{-9}$	$1.626\cdot10^{-9}$	0
$\bar{b}t \to \bar{d}u$	$-2.193\cdot10^{-6}$	$-2.193\cdot10^{-6}$	0		$2.553\cdot10^{-5}$	$2.553\cdot10^{-5}$	0
$b\bar{b} \to t\bar{t}$	-0.0001867	-0.0001867	0		0.0006426	0.0006426	0
$b\bar{t} \to e^-\bar{\nu}_e$	$-7.312\cdot10^{-7}$	$-7.312\cdot10^{-7}$	$1.368\cdot10^{-8}$		$6.636\cdot10^{-6}$	$6.636\cdot10^{-6}$	$1.507\cdot10^{-8}$

2.53 cptbI

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-1.445\cdot10^{-6}$	$-1.751\cdot10^{-6}$	-0.2123		$6.123\cdot10^{-6}$	$3.514\cdot10^{-5}$	-4.739
$HW^+ \to \gamma t\bar{b}$	$3.834\cdot10^{-9}$	$3.834\cdot10^{-9}$	0		$6.235\cdot10^{-7}$	$6.235\cdot10^{-7}$	$-1.604\cdot10^{-8}$
$HW^- \to \bar{t}b$	$-8.628\cdot10^{-6}$	$-8.628\cdot10^{-6}$	0		0.3438	0.3438	0
$W^+W^- \to Hb\bar{b}$	$2.182\cdot10^{-9}$	$2.182\cdot10^{-9}$	0		$1.274\cdot10^{-7}$	$1.274\cdot10^{-7}$	0
$W^+W^- \to Ht\bar{t}$	$5.41\cdot10^{-9}$	$5.41\cdot10^{-9}$	$-1.848\cdot10^{-8}$		$1.246\cdot10^{-9}$	$1.246\cdot10^{-9}$	0
$\bar{b}t \to \bar{d}u$	$-1.162\cdot10^{-21}$	$1.3\cdot10^{-21}$	2.119		$3.09\cdot10^{-6}$	$3.09\cdot10^{-6}$	$3.236\cdot10^{-8}$
$b\bar{b} \to t\bar{t}$	$-7.255\cdot10^{-20}$	$2.478\cdot10^{-20}$	1.342		0.005998	0.005998	$1.667\cdot10^{-8}$
$b\bar{t} \to e^-\bar{\nu}_e$	$1.491\cdot10^{-21}$	$-6.25\cdot10^{-22}$	1.419		$4.252\cdot10^{-6}$	$4.252\cdot10^{-6}$	0

2.54 ctG

	interference				square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.116	0.116	0		0.03631	0.03631	0
$gg \to t\bar{t}$	0.1765	0.1765	0		0.09195	0.09195	0
$t\bar{t} \to c\bar{c}$	0.1977	0.1977	0		0.047	0.047	0
$t\bar{t} \to d\bar{d}$	0.1977	0.1977	0		0.04085	0.04085	0
$t\bar{t} \to s\bar{s}$	0.1977	0.1977	0		0.04399	0.04399	0

$t\bar{t} \to t\bar{t}$	0.2162	0.2162	0		0.7323	0.7323	0

2.55 ctGI

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$b\bar{b} \to t\bar{t}$	$-2.911 \cdot 10^{-17}$	$-1.978 \cdot 10^{-18}$	0.9321	0.02686	0.02686	0
$gg \to t\bar{t}$	$1.438 \cdot 10^{-17}$	$1.526 \cdot 10^{-17}$	-0.06053	0.08448	0.08448	0
$t\bar{t} \to c\bar{c}$	$-8.823 \cdot 10^{-24}$	0	1	0.03755	0.03755	0
$t\bar{t} \to d\bar{d}$	$2.941 \cdot 10^{-24}$	$5.147 \cdot 10^{-24}$	-0.75	0.0314	0.0314	0
$t\bar{t} \to s\bar{s}$	0	$-7.353 \cdot 10^{-25}$	∞	0.03454	0.03454	0
$t\bar{t} \to t\bar{t}$	$1.388 \cdot 10^{-16}$	$1.287 \cdot 10^{-16}$	0.0725	0.6638	0.6638	0

2.56 ctQqu1

	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	$4 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	-0.4725	0	1	0.5004	0.5004	$3.997 \cdot 10^{-8}$

2.57 ctQqu1I

	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	$8 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	$1.832 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.997 \cdot 10^{-8}$

2.58 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	$-1.44 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$2.1 \cdot 10^{-8}$	0	1	0.1112	0.1112	$-1.798 \cdot 10^{-7}$

2.59 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	$-1.44 \cdot 10^{-7}$
$t\bar{t} \to c\bar{c}$	$-4.948 \cdot 10^{-19}$	0	1	0.1112	0.1112	$-1.798 \cdot 10^{-7}$

2.60 ctW

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$1.146 \cdot 10^{-5}$	$1.146 \cdot 10^{-5}$	0	$4.549 \cdot 10^{-6}$	$4.549 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$-3.381 \cdot 10^{-12}$	0	1	$1.687 \cdot 10^{-17}$	0	1
$HW^+ \to \gamma t\bar{b}$	$-4.902 \cdot 10^{-6}$	$-4.163 \cdot 10^{-6}$	0.1508	$9.994 \cdot 10^{-6}$	$2.969 \cdot 10^{-5}$	-1.971
$HW^- \to \bar{t}b$	-0.2812	-0.2812	0	2.049	2.049	0
$H\gamma \to t\bar{t}$	-0.6263	-0.6263	$5.748 \cdot 10^{-7}$	15.12	15.12	$1.191 \cdot 10^{-6}$
$Hz \to t\bar{t}$	$2.454 \cdot 10^{-8}$	0	1	$1.699 \cdot 10^{-12}$	0	1
$W^+W^- \to Hb\bar{b}$	$-6.603 \cdot 10^{-6}$	$-6.603 \cdot 10^{-6}$	0	$4.39 \cdot 10^{-6}$	$4.39 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$-1.017 \cdot 10^{-5}$	$-3.529 \cdot 10^{-5}$	-2.47	$3.674 \cdot 10^{-5}$	0.002931	-78.78
$\bar{b}t \to \bar{d}u$	0.0111	0.0111	0	0.01208	0.01208	0
$b\bar{b} \to t\bar{t}$	-0.07216	-0.07216	$9.7 \cdot 10^{-8}$	0.1578	0.1578	$6.337 \cdot 10^{-8}$
$b\bar{t} \to e^-\bar{\nu}_e$	0.0007448	0.0007448	$1.343 \cdot 10^{-8}$	0.002021	0.002021	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$7.041 \cdot 10^{-11}$	0	1	$1.243 \cdot 10^{-15}$	0	1
$t\bar{t} \to \tau^+ \tau^-$	0.004753	0.004753	$5.26 \cdot 10^{-7}$	0.01287	0.01287	$1.088 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	0.005996	0.005996	$4.17 \cdot 10^{-7}$	0.01829	0.01829	$9.842 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	0.002825	0.002825	$-3.54 \cdot 10^{-8}$	0.006581	0.006581	$3.951 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	$3.808 \cdot 10^{-5}$	$3.808 \cdot 10^{-5}$	$1.323 \cdot 10^{-5}$	0.002019	0.002019	$3.466 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	-0.05729	-0.05729	$4.887 \cdot 10^{-7}$	0.1414	0.1414	$9.191 \cdot 10^{-7}$

2.61   ctWI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+ \bar{t} b$	$3.675 \cdot 10^{-5}$	$3.675 \cdot 10^{-5}$	0	$3.404 \cdot 10^{-5}$	$3.404 \cdot 10^{-5}$	0
$HH \to z t\bar{t}$	$3.373 \cdot 10^{-12}$	0	1	$2.58 \cdot 10^{-17}$	0	1
$HW^+ \to \gamma t\bar{b}$	$2.719 \cdot 10^{-6}$	$-1.533 \cdot 10^{-6}$	1.564	$1.2 \cdot 10^{-5}$	$2.422 \cdot 10^{-5}$	-1.019
$HW^- \to \bar{t} b$	-0.0007943	-0.0007943	0	1.47	1.47	0
$H\gamma \to t\bar{t}$	$1.418 \cdot 10^{-16}$	$-1.084 \cdot 10^{-17}$	1.076	10.82	10.82	$1.202 \cdot 10^{-6}$
$Hz \to t\bar{t}$	$1.884 \cdot 10^{-10}$	0	1	$1.566 \cdot 10^{-12}$	0	1
$W^+ W^- \to H b\bar{b}$	$8.927 \cdot 10^{-7}$	$8.927 \cdot 10^{-7}$	0	$1.544 \cdot 10^{-6}$	$1.544 \cdot 10^{-6}$	0
$W^+ W^- \to H t\bar{t}$	$-4.077 \cdot 10^{-6}$	$2.961 \cdot 10^{-5}$	8.264	$2.661 \cdot 10^{-5}$	0.001166	-42.81
$\bar{b} t \to \bar{d} u$	$3.725 \cdot 10^{-18}$	$2.088 \cdot 10^{-18}$	0.4394	0.01085	0.01085	0
$b\bar{b} \to t\bar{t}$	$1.101 \cdot 10^{-16}$	$3.399 \cdot 10^{-16}$	-2.089	0.6007	0.6007	$1.665 \cdot 10^{-8}$
$b\bar{t} \to e^- \bar{\nu}_e$	$7.508 \cdot 10^{-18}$	$9.12 \cdot 10^{-18}$	-0.2146	0.004362	0.004362	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$-9.293 \cdot 10^{-26}$	0	1	$1.186 \cdot 10^{-15}$	0	1
$t\bar{t} \to \tau^+ \tau^-$	$2.228 \cdot 10^{-18}$	$-1.32 \cdot 10^{-18}$	1.592	0.01037	0.01037	$1.157 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.922 \cdot 10^{-7}$	0.02023	0.02023	$9.887 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$1.319 \cdot 10^{-15}$	$1.318 \cdot 10^{-15}$	0.0003188	0.004255	0.004255	$3.761 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	$5.661 \cdot 10^{-13}$	$5.661 \cdot 10^{-13}$	$3.886 \cdot 10^{-7}$	0.00532	0.00532	$3.759 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	$1.438 \cdot 10^{-17}$	$3.448 \cdot 10^{-17}$	-1.397	0.1084	0.1084	$9.227 \cdot 10^{-7}$

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2.62 ctZ

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$-7.376 \cdot 10^{-6}$	$-7.376 \cdot 10^{-6}$	$5.83 \cdot 10^{-7}$	$6.777 \cdot 10^{-5}$	$6.777 \cdot 10^{-5}$	$1.092 \cdot 10^{-6}$
$HW^+ \to \gamma t\bar{b}$	$-4.053 \cdot 10^{-7}$	$-4.053 \cdot 10^{-7}$	$5.428 \cdot 10^{-7}$	$2.255 \cdot 10^{-6}$	$2.255 \cdot 10^{-6}$	$1.109 \cdot 10^{-6}$
$H\gamma \to t\bar{t}$	0.8184	0.8184	$5.499 \cdot 10^{-7}$	8.29	8.29	$1.122 \cdot 10^{-6}$
$Hz \to t\bar{t}$	-0.04241	-0.04241	$5.659 \cdot 10^{-7}$	3.547	3.547	$1.099 \cdot 10^{-6}$
$W^+W^- \to Ht\bar{t}$	$5.426 \cdot 10^{-8}$	$5.426 \cdot 10^{-8}$	$4.976 \cdot 10^{-7}$	$1.441 \cdot 10^{-7}$	$1.441 \cdot 10^{-7}$	$1.041 \cdot 10^{-6}$
$b\bar{b} \to t\bar{t}$	0.02099	0.02099	$5.716 \cdot 10^{-7}$	0.002947	0.002947	$1.086 \cdot 10^{-6}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0.0008873	0.0008873	$5.861 \cdot 10^{-7}$	0.003316	0.003316	$1.086 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	-0.007385	-0.007385	$5.281 \cdot 10^{-7}$	0.01176	0.01176	$1.106 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	-0.005311	-0.005311	$5.272 \cdot 10^{-7}$	0.01777	0.01777	$1.125 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	-0.0002125	-0.0002125	$4.236 \cdot 10^{-7}$	0.004617	0.004617	$1.083 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	0.0002234	0.0002234	$7.163 \cdot 10^{-7}$	0.005496	0.005496	$1.092 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	0.04565	0.04565	$5.476 \cdot 10^{-7}$	0.107	0.107	$1.028 \cdot 10^{-6}$

2.63 ctZI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$-6.375 \cdot 10^{-7}$	$-6.375 \cdot 10^{-7}$	$5.804 \cdot 10^{-7}$	$3.821 \cdot 10^{-5}$	$3.821 \cdot 10^{-5}$	$1.099 \cdot 10^{-6}$
$HW^+ \to \gamma t\bar{b}$	$1.775 \cdot 10^{-6}$	$1.775 \cdot 10^{-6}$	$5.635 \cdot 10^{-7}$	$5.57 \cdot 10^{-5}$	$5.57 \cdot 10^{-5}$	$1.113 \cdot 10^{-6}$
$H\gamma \to t\bar{t}$	$\color{red}-2.086 \cdot 10^{-16}$	$\color{red}-9.064 \cdot 10^{-17}$	$\color{red}0.5655$	6.651	6.651	$1.128 \cdot 10^{-6}$
$Hz \to t\bar{t}$	-0.0003279	-0.0003279	$5.49 \cdot 10^{-7}$	3.407	3.407	$1.086 \cdot 10^{-6}$
$W^+W^- \to Ht\bar{t}$	$1.639 \cdot 10^{-8}$	$1.639 \cdot 10^{-8}$	$5.492 \cdot 10^{-7}$	$2.755 \cdot 10^{-8}$	$2.755 \cdot 10^{-8}$	$1.125 \cdot 10^{-6}$
$b\bar{b} \to t\bar{t}$	$\color{blue}-4.426 \cdot 10^{-18}$	$\color{blue}-1.383 \cdot 10^{-18}$	$\color{blue}0.6875$	0.003248	0.003248	$1.078 \cdot 10^{-6}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$\color{blue}2.603 \cdot 10^{-19}$	$\color{blue}-2.546 \cdot 10^{-18}$	$\color{blue}10.78$	0.001735	0.001735	$1.095 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$\color{blue}-1.49 \cdot 10^{-20}$	$\color{blue}-1.259 \cdot 10^{-20}$	$\color{blue}0.1547$	$1.914 \cdot 10^{-5}$	$1.914 \cdot 10^{-5}$	$1.097 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
$t\bar{t} \to c\bar{c}$	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$4.942 \cdot 10^{-7}$	0.01162	0.01162	$1.033 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-1.399 \cdot 10^{-15}$	$-1.401 \cdot 10^{-15}$	-0.001438	0.004386	0.004386	$1.094 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-4.956 \cdot 10^{-13}$	$-4.956 \cdot 10^{-13}$	$-5.327 \cdot 10^{-6}$	0.004226	0.004226	$1.088 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	$-9.603 \cdot 10^{-17}$	$-4.688 \cdot 10^{-17}$	0.5118	0.6871	0.6871	$1.092 \cdot 10^{-6}$

2.64   ctb1

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
$b\bar{b} \to t\bar{t}$	-0.005027	-0.005027	$-1.989 \cdot 10^{-8}$	0.08075	0.08075	0

2.65   ctb8

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
$b\bar{b} \to t\bar{t}$	0.06605	0.06605	0	0.01572	0.01572	0

2.66   ctd1

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$	mod1	mod2	$1 - \mathrm{mod2}/\mathrm{mod1}$
$t\bar{t} \to d\bar{d}$	-0.01201	-0.01201	0	0.2031	0.2031	0
$t\bar{t} \to s\bar{s}$	-0.0006302	-0.0006302	$-3.174 \cdot 10^{-8}$	0.003784	0.003784	0

2.67   ctd8

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

	mod1	mod2		mod1	mod2	
$t\bar{t} \to d\bar{d}$	0.1532	0.1532	0	0.04513	0.04513	0
$t\bar{t} \to s\bar{s}$	0.02197	0.02197	0	0.0008408	0.0008408	0

2.68 cte3

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.03719	-0.03719	$-2.689 \cdot 10^{-8}$	0.2147	0.2147	0

2.69 ctl2

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	-0.005124	-0.005124	$-3.903 \cdot 10^{-8}$	0.08123	0.08123	0

2.70 ctl3

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.00323	-0.00323	0	0.01102	0.01102	0

2.71 ctlS1

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

2.72 ctlS3

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	0.00332	0.00332	0		0.1668	0.1668	0

2.73 ctlSI1

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

2.74 ctlSI3

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	$2.455 \cdot 10^{-19}$	$2.404 \cdot 10^{-19}$	0.02068		0.1668	0.1668	0

2.75 ctlT1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0		0.3369	0.3369	0

2.76 ctlT3

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

| $t\bar{t} \rightarrow \tau^+\tau^-$ | 0.007543 | 0.007543 | 0 | | 0.9026 | 0.9026 | 0 |

2.77 ctlTI1

| | 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		0.0643	0.0643	0

2.78 ctlTI3

| | interference | | | | square | | |
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+\tau^-$	$4.566 \cdot 10^{-19}$	$3.729 \cdot 10^{-19}$	0.1834		0.9026	0.9026	0

2.79 ctp

| | interference | | | | square | | |
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \rightarrow Ht\bar{t}$	$6.984 \cdot 10^{-6}$	$-3.966 \cdot 10^{-6}$	1.568		$7.86 \cdot 10^{-6}$	$4.003 \cdot 10^{-6}$	0.4907
$HH \rightarrow W^+\bar{t}b$	$1.425 \cdot 10^{-6}$	$1.425 \cdot 10^{-6}$	0		$2.61 \cdot 10^{-6}$	$2.61 \cdot 10^{-6}$	0
$HH \rightarrow zt\bar{t}$	$-3.606 \cdot 10^{-5}$	$-3.606 \cdot 10^{-5}$	0		$4.702 \cdot 10^{-6}$	$4.702 \cdot 10^{-6}$	$2.127 \cdot 10^{-8}$
$HW^+ \rightarrow \gamma t\bar{b}$	$-1.013 \cdot 10^{-7}$	$-1.013 \cdot 10^{-7}$	0		$1.187 \cdot 10^{-8}$	$1.187 \cdot 10^{-8}$	0
$HW^- \rightarrow \bar{t}b$	0.05981	0.05981	$-1.672 \cdot 10^{-8}$		0.05073	0.05073	0
$H\gamma \rightarrow t\bar{t}$	-0.05084	-0.05084	0		0.00156	0.00156	$-6.41 \cdot 10^{-8}$
$Hz \rightarrow t\bar{t}$	-0.01378	-0.01378	$7.258 \cdot 10^{-8}$		0.06664	0.06664	0
$W^+W^- \rightarrow Hb\bar{b}$	$1.025 \cdot 10^{-6}$	$1.025 \cdot 10^{-6}$	0		$6.545 \cdot 10^{-8}$	$6.545 \cdot 10^{-8}$	0
$W^+W^- \rightarrow Ht\bar{t}$	$2.276 \cdot 10^{-7}$	$2.276 \cdot 10^{-7}$	0		$4.456 \cdot 10^{-7}$	$4.456 \cdot 10^{-7}$	0
$b\bar{b} \rightarrow t\bar{t}$	$-1.29 \cdot 10^{-5}$	$-1.29 \cdot 10^{-5}$	0		$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	$-1.026 \cdot 10^{-6}$	$-1.026 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
$t\bar{t} \to t\bar{t}$	0.04328	0.04328	0	0.008428	0.008428	0

2.80 ctpI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$-2.719 \cdot 10^{-5}$	$-5.988 \cdot 10^{-7}$	0.978	$3.982 \cdot 10^{-5}$	$1.563 \cdot 10^{-5}$	0.6075
$HH \to W^+\bar{t}b$	$-2.34 \cdot 10^{-7}$	$-2.34 \cdot 10^{-7}$	0	$3.086 \cdot 10^{-6}$	$3.086 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$-2.975 \cdot 10^{-7}$	$-2.975 \cdot 10^{-7}$	0	$1.259 \cdot 10^{-6}$	$1.259 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-1.41 \cdot 10^{-7}$	$-1.41 \cdot 10^{-7}$	0	$2.187 \cdot 10^{-8}$	$2.187 \cdot 10^{-8}$	$-4.573 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	-0.002473	-0.002473	0	0.05467	0.05467	0
$H\gamma \to t\bar{t}$	$1.174 \cdot 10^{-17}$	$4.37 \cdot 10^{-18}$	0.6276	0.004466	0.004466	0
$Hz \to t\bar{t}$	-0.0004344	-0.0004344	$2.302 \cdot 10^{-8}$	0.06481	0.06481	0
$W^+W^- \to Hb\bar{b}$	$8.876 \cdot 10^{-8}$	$8.876 \cdot 10^{-8}$	$1.127 \cdot 10^{-8}$	$5.362 \cdot 10^{-9}$	$5.362 \cdot 10^{-9}$	0
$W^+W^- \to Ht\bar{t}$	$2.377 \cdot 10^{-8}$	$2.377 \cdot 10^{-8}$	0	$4.746 \cdot 10^{-7}$	$4.746 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$-2.614 \cdot 10^{-22}$	$3.643 \cdot 10^{-22}$	2.393	$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$-7.273 \cdot 10^{-23}$	$-9.962 \cdot 10^{-23}$	-0.3698	$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
$t\bar{t} \to t\bar{t}$	$1.239 \cdot 10^{-17}$	$6.353 \cdot 10^{-18}$	0.4872	0.004989	0.004989	0

2.81 ctq1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.02402	0.02402	$-4.164 \cdot 10^{-8}$	0.627	0.627	0
$t\bar{t} \to d\bar{d}$	$4.794 \cdot 10^{-5}$	$4.794 \cdot 10^{-5}$	$-3.567 \cdot 10^{-6}$	0.2095	0.2095	0
$t\bar{t} \to s\bar{s}$	0.02123	0.02123	$-4.71 \cdot 10^{-8}$	0.9375	0.9375	0

2.82 ctq8

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.04763	0.04763	0		0.009499	0.009499	0
$t\bar{t} \to d\bar{d}$	0.5639	0.5639	0		0.1837	0.1837	0
$t\bar{t} \to s\bar{s}$	0.1104	0.1104	0		0.03067	0.03067	0

2.83 ctt1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to t\bar{t}$	-0.4298	-0.4298	0		4.973	4.973	0

2.84 ctu1

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.06339	0.06339	$-1.578 \cdot 10^{-8}$		0.5478	0.5478	0

2.85 ctu8

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.2429	0.2429	0		0.07541	0.07541	0

2.86 sm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	0	0	0	0.2189	0.2189	0
$HH \to HHH$	0	0	0	$4.771 \cdot 10^{-7}$	$4.771 \cdot 10^{-7}$	0
$HH \to H\tau^+\tau^-$	0	0	0	$1.175 \cdot 10^{-11}$	$1.175 \cdot 10^{-11}$	0
$HH \to Hb\bar{b}$	0	0	0	$2.033 \cdot 10^{-9}$	$2.033 \cdot 10^{-9}$	0
$HH \to Ht\bar{t}$	0	0	0	$3.445 \cdot 10^{-5}$	$3.445 \cdot 10^{-5}$	0
$HH \to Hzz$	0	0	0	$8.03 \cdot 10^{-6}$	$8.03 \cdot 10^{-6}$	0
$HH \to W^+W^-$	0	0	0	0.759	0.759	$2.635 \cdot 10^{-8}$
$HH \to W^+W^-\gamma$	0	0	0	$1.407 \cdot 10^{-7}$	$1.407 \cdot 10^{-7}$	$-7.108 \cdot 10^{-8}$
$HH \to W^+\bar{t}b$	0	0	0	0.0004913	0.0004913	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$5.225 \cdot 10^{-7}$	$5.225 \cdot 10^{-7}$	$3.828 \cdot 10^{-8}$
$HH \to W^-u\bar{d}$	0	0	0	$2.561 \cdot 10^{-6}$	$2.561 \cdot 10^{-6}$	$3.905 \cdot 10^{-8}$
$HH \to z\bar{b}b$	0	0	0	$3.306 \cdot 10^{-7}$	$3.306 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	0	0	0	$7.419 \cdot 10^{-8}$	$7.419 \cdot 10^{-8}$	0
$HH \to zc\bar{c}$	0	0	0	$1.912 \cdot 10^{-7}$	$1.912 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	0	0	0	$3.426 \cdot 10^{-7}$	$3.426 \cdot 10^{-7}$	0
$HH \to ze^+e^-$	0	0	0	$6.412 \cdot 10^{-8}$	$6.412 \cdot 10^{-8}$	$1.56 \cdot 10^{-8}$
$HH \to zt\bar{t}$	0	0	0	0.000139	0.000139	0
$HH \to zz$	0	0	0	0.07754	0.07754	0
$HW^+ \to \gamma t\bar{b}$	0	0	0	$3.196 \cdot 10^{-6}$	$3.196 \cdot 10^{-6}$	$-3.129 \cdot 10^{-8}$
$HW^+ \to \gamma u\bar{d}$	0	0	0	$1.512 \cdot 10^{-8}$	$1.512 \cdot 10^{-8}$	0
$HW^+ \to u\bar{d}$	0	0	0	0.01496	0.01496	0
$HW^- \to \bar{t}b$	0	0	0	0.8838	0.8838	0
$HW^- \to \gamma e^-\bar{\nu}_e$	0	0	0	$3.316 \cdot 10^{-8}$	$3.316 \cdot 10^{-8}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0	0	0	0.00222	0.00222	0
$H\gamma \to b\bar{b}$	0	0	0	0.001007	0.001007	$-9.927 \cdot 10^{-8}$
$H\gamma \to t\bar{t}$	0	0	0	0.5063	0.5063	0
$Hz \to \mu^+\mu^-$	0	0	0	0.001525	0.001525	0

$Hz \to \nu_\tau \bar{\nu}_\tau$	0	0	0	0.0005229	0.0005229	0
$Hz \to b\bar{b}$	0	0	0	0.01218	0.01218	0
$Hz \to s\bar{s}$	0	0	0	0.01435	0.01435	0
$Hz \to t\bar{t}$	0	0	0	3.721	3.721	0
$Hz \to u\bar{u}$	0	0	0	0.005394	0.005394	0
$W^+W^- \to Hb\bar{b}$	0	0	0	$8.669 \cdot 10^{-6}$	$8.669 \cdot 10^{-6}$	$1.153 \cdot 10^{-8}$
$W^+W^- \to Hc\bar{c}$	0	0	0	$2.141 \cdot 10^{-6}$	$2.141 \cdot 10^{-6}$	0
$W^+W^- \to Hd\bar{d}$	0	0	0	$2.944 \cdot 10^{-6}$	$2.944 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	0	0	0	$1.985 \cdot 10^{-5}$	$1.985 \cdot 10^{-5}$	$5.038 \cdot 10^{-8}$
$W^+W^- \to W^+W^-$	0	0	0	374.5	374.5	$2.67 \cdot 10^{-8}$
$W^+W^- \to \gamma\gamma$	0	0	0	5.25	5.25	$-1.905 \cdot 10^{-8}$
$W^+W^- \to \gamma\gamma\gamma$	0	0	0	$5.096 \cdot 10^{-7}$	$5.096 \cdot 10^{-7}$	$-5.887 \cdot 10^{-8}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.008533	0.008533	$1.172 \cdot 10^{-8}$
$\gamma W^+ \to zW^+$	0	0	0	0.4146	0.4146	0
$\mu^+\mu^- \to \tau^+\tau^-$	0	0	0	0.007067	0.007067	$-4.245 \cdot 10^{-8}$
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.006293	0.006293	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.005847	0.005847	0
$b\bar{b} \to \gamma\gamma$	0	0	0	$9.076 \cdot 10^{-5}$	$9.076 \cdot 10^{-5}$	$-3.305 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	0	0	0	0.0004327	0.0004327	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0	0	0	0.0001501	0.0001501	0
$b\bar{b} \to b\bar{b}$	0	0	0	2.013	2.013	0
$b\bar{b} \to d\bar{d}$	0	0	0	0.8421	0.8421	0
$b\bar{b} \to t\bar{t}$	0	0	0	0.4324	0.4324	0
$b\bar{b} \to u\bar{u}$	0	0	0	0.5507	0.5507	0
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.0009673	0.0009673	$1.034 \cdot 10^{-8}$
$c\bar{c} \to \mu^+\mu^-$	0	0	0	0.001186	0.001186	0
$c\bar{s} \to \tau^+\nu_\tau$	0	0	0	0.01454	0.01454	0
$d\bar{d} \to c\bar{c}$	0	0	0	0.8891	0.8891	0
$d\bar{d} \to e^+e^-$	0	0	0	0.0002982	0.0002982	$-3.353 \cdot 10^{-8}$

$e^+\nu_\mu \to e^+\nu_\mu$	0	0	0	0.3799	0.3799	0
$e^+\nu_e \to \mu^+\nu_\mu$	0	0	0	0.00429	0.00429	$2.331 \cdot 10^{-8}$
$e^+\nu_e \to e^+\nu_e$	0	0	0	0.1574	0.1574	0
$e^+\tau^- \to e^+\tau^-$	0	0	0	0.09531	0.09531	$-2.099 \cdot 10^{-8}$
$e^+e^- \to \mu^+\mu^-$	0	0	0	0.0346	0.0346	0
$e^+e^- \to e^+e^-$	0	0	0	0.142	0.142	0
$gg \to gg$	0	0	0	33.86	33.86	0
$gg \to ggg$	0	0	0	0.86	0.86	0
$gg \to t\bar{t}$	0	0	0	1.008	1.008	0
$gg \to u\bar{u}$	0	0	0	0.3229	0.3229	0
$s\bar{s} \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.002076	0.002076	0
$s\bar{s} \to s\bar{s}$	0	0	0	4.503	4.503	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.0004638	0.0004638	$-4.313 \cdot 10^{-8}$
$t\bar{t} \to \tau^+\tau^-$	0	0	0	0.005017	0.005017	$-1.993 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	0	0	0	0.5891	0.5891	0
$t\bar{t} \to d\bar{d}$	0	0	0	0.9886	0.9886	0
$t\bar{t} \to s\bar{s}$	0	0	0	0.5971	0.5971	0
$t\bar{t} \to t\bar{t}$	0	0	0	1.33	1.33	0
$u\bar{d} \to \mu^+\nu_\mu$	0	0	0	0.0123	0.0123	0
$u\bar{d} \to c\bar{s}$	0	0	0	0.002805	0.002805	$3.564 \cdot 10^{-8}$
$u\bar{d} \to u\bar{d}$	0	0	0	1.55	1.55	0
$u\bar{u} \to \nu_e\bar{\nu}_e$	0	0	0	0.0009222	0.0009222	0
$u\bar{u} \to u\bar{u}$	0	0	0	3.963	3.963	0
$zz \to W^+W^-$	0	0	0	38.36	38.36	$5.214 \cdot 10^{-8}$
$zz \to zz$	0	0	0	0.08094	0.08094	0