1 By process

1.1 $HH \to HH$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		0.2047	0.2047	0

1.2 $HH \to HHH$

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		$2.579 \cdot 10^{-7}$	$2.579 \cdot 10^{-7}$	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		$7.468 \cdot 10^{-11}$	$7.468 \cdot 10^{-11}$	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		$1.226 \cdot 10^{-9}$	$1.226 \cdot 10^{-9}$	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
ctp	$3.449 \cdot 10^{-5}$	$3.449 \cdot 10^{-5}$	0	$2.149 \cdot 10^{-5}$	$2.149 \cdot 10^{-5}$	0
ctpI	$2.398 \cdot 10^{-5}$	$2.398 \cdot 10^{-5}$	0	$4.187 \cdot 10^{-5}$	$4.187 \cdot 10^{-5}$	0
sm	0	0	0	$5.805 \cdot 10^{-6}$	$5.805 \cdot 10^{-6}$	0

1.6 $HH \to Hzz$

	interference			square		
	mod1	mod2	$1-\text{mod2/mod1}$	mod1	mod2	$1-\text{mod2/mod1}$
sm	0	0	0	$7.337 \cdot 10^{-6}$	$7.337 \cdot 10^{-6}$	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	0.09021	0.09021	$1.109 \cdot 10^{-8}$

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	$4.679 \cdot 10^{-5}$	$4.679 \cdot 10^{-5}$	$-2.137 \cdot 10^{-8}$

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

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

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cbW	$-1.176 \cdot 10^{-6}$	$-1.176 \cdot 10^{-6}$	0	$1.346 \cdot 10^{-5}$	$1.346 \cdot 10^{-5}$	0
cbWI	$9.196 \cdot 10^{-7}$	$9.196 \cdot 10^{-7}$	0	$1.346 \cdot 10^{-5}$	$1.346 \cdot 10^{-5}$	0
cpQ3	$1.846 \cdot 10^{-5}$	$1.846 \cdot 10^{-5}$	0	$3.446 \cdot 10^{-5}$	$3.446 \cdot 10^{-5}$	0
cptbI	$-2.918 \cdot 10^{-7}$	$-2.918 \cdot 10^{-7}$	0	$2.402 \cdot 10^{-6}$	$2.402 \cdot 10^{-6}$	0
ctWI	$5.961 \cdot 10^{-6}$	$5.961 \cdot 10^{-6}$	0	$2.238 \cdot 10^{-6}$	$2.238 \cdot 10^{-6}$	0
ctp	$1.764 \cdot 10^{-5}$	$1.764 \cdot 10^{-5}$	0	$5.558 \cdot 10^{-6}$	$5.558 \cdot 10^{-6}$	0
ctpI	$7.674 \cdot 10^{-6}$	$7.674 \cdot 10^{-6}$	$1.303 \cdot 10^{-8}$	$9.878 \cdot 10^{-6}$	$9.878 \cdot 10^{-6}$	$1.012 \cdot 10^{-8}$
sm	0	0	0	0.0001377	0.0001377	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	$1.145 \cdot 10^{-7}$	$1.145 \cdot 10^{-7}$	$8.734 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	$1.107 \cdot 10^{-6}$	$1.107 \cdot 10^{-6}$	$9.033 \cdot 10^{-8}$

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	$2.367 \cdot 10^{-7}$	$2.367 \cdot 10^{-7}$	0	$5.43 \cdot 10^{-6}$	$5.43 \cdot 10^{-6}$	0
cbWI	$-3.295 \cdot 10^{-8}$	$-3.295 \cdot 10^{-8}$	$3.035 \cdot 10^{-8}$	$5.422 \cdot 10^{-6}$	$5.422 \cdot 10^{-6}$	0
cpQ3	$1.636 \cdot 10^{-6}$	$1.636 \cdot 10^{-6}$	0	$5.587 \cdot 10^{-6}$	$5.587 \cdot 10^{-6}$	0

cpQM	$1.013 \cdot 10^{-5}$	$1.013 \cdot 10^{-5}$	0	$2.79 \cdot 10^{-5}$	$2.79 \cdot 10^{-5}$	0
sm	0	0	0	$1.864 \cdot 10^{-6}$	$1.864 \cdot 10^{-6}$	0

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	$1.87 \cdot 10^{-7}$	$1.87 \cdot 10^{-7}$	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	$2.581 \cdot 10^{-7}$	$2.581 \cdot 10^{-7}$	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	0.004286	0.004286	0

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	$6.15 \cdot 10^{-8}$	$6.15 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cpQM	$2.828 \cdot 10^{-5}$	$2.828 \cdot 10^{-5}$	0	$2.942 \cdot 10^{-5}$	$2.942 \cdot 10^{-5}$	0
cpt	$-3.477 \cdot 10^{-5}$	$-3.477 \cdot 10^{-5}$	0	$2.752 \cdot 10^{-5}$	$2.752 \cdot 10^{-5}$	0
ctWI	$\color{red}{-2.015 \cdot 10^{-13}}$	$\color{red}{0}$	$\color{red}{1}$	$\color{blue}{7.154 \cdot 10^{-18}}$	$\color{blue}{0}$	$\color{blue}{1}$
ctZ	$2.295 \cdot 10^{-6}$	$2.295 \cdot 10^{-6}$	$5.664 \cdot 10^{-7}$	$3.342 \cdot 10^{-5}$	$3.342 \cdot 10^{-5}$	$1.107 \cdot 10^{-6}$
ctZI	$-6.854 \cdot 10^{-7}$	$-6.854 \cdot 10^{-7}$	$5.69 \cdot 10^{-7}$	$3.839 \cdot 10^{-5}$	$3.839 \cdot 10^{-5}$	$1.094 \cdot 10^{-6}$
ctp	$5.436 \cdot 10^{-6}$	$5.436 \cdot 10^{-6}$	0	$3.137 \cdot 10^{-6}$	$3.137 \cdot 10^{-6}$	0
ctpI	$4.373 \cdot 10^{-7}$	$4.373 \cdot 10^{-7}$	0	$3.224 \cdot 10^{-6}$	$3.224 \cdot 10^{-6}$	0
sm	0	0	0	$1.378 \cdot 10^{-5}$	$1.378 \cdot 10^{-5}$	0

1.18 $HH \to zz$

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
sm	0	0	0	0.07641	0.07641	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cbW	$-2.009 \cdot 10^{-6}$	$-2.009 \cdot 10^{-6}$	0	$1.602 \cdot 10^{-5}$	$1.602 \cdot 10^{-5}$	$-6.243 \cdot 10^{-8}$
cbWI	$2.122 \cdot 10^{-6}$	$2.122 \cdot 10^{-6}$	0	$1.602 \cdot 10^{-5}$	$1.602 \cdot 10^{-5}$	0
cpQ3	$-1.286 \cdot 10^{-6}$	$-1.286 \cdot 10^{-6}$	0	$1.251 \cdot 10^{-6}$	$1.251 \cdot 10^{-6}$	0
cptbI	$1.891 \cdot 10^{-10}$	$1.891 \cdot 10^{-10}$	0	$6.997 \cdot 10^{-8}$	$6.997 \cdot 10^{-8}$	$-1.429 \cdot 10^{-8}$
ctWI	$1.159 \cdot 10^{-7}$	$1.159 \cdot 10^{-7}$	$9.488 \cdot 10^{-7}$	$1.202 \cdot 10^{-5}$	$1.202 \cdot 10^{-5}$	$1.248 \cdot 10^{-6}$
ctZ	$2.574 \cdot 10^{-7}$	$2.574 \cdot 10^{-7}$	$5.829 \cdot 10^{-7}$	$4.429 \cdot 10^{-6}$	$4.429 \cdot 10^{-6}$	$1.129 \cdot 10^{-6}$

	mod1	mod2	$1-\text{mod2}/\text{mod1}$		mod1	mod2	$1-\text{mod2}/\text{mod1}$
ctZI	$3.144 \cdot 10^{-6}$	$3.144 \cdot 10^{-6}$	$5.725 \cdot 10^{-7}$		$1.44 \cdot 10^{-5}$	$1.44 \cdot 10^{-5}$	$1.111 \cdot 10^{-6}$
ctp	$2.134 \cdot 10^{-7}$	$2.134 \cdot 10^{-7}$	$-4.686 \cdot 10^{-8}$		$6.836 \cdot 10^{-8}$	$6.836 \cdot 10^{-8}$	$-1.463 \cdot 10^{-8}$
ctpI	$-5.57 \cdot 10^{-8}$	$-5.57 \cdot 10^{-8}$	$1.795 \cdot 10^{-8}$		$8.477 \cdot 10^{-8}$	$8.477 \cdot 10^{-8}$	$-1.18 \cdot 10^{-8}$
sm	0	0	0		$1.849 \cdot 10^{-7}$	$1.849 \cdot 10^{-7}$	$-5.407 \cdot 10^{-8}$

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	$7.647 \cdot 10^{-9}$	$7.647 \cdot 10^{-9}$	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	0.02277	0.02277	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	0.006283	0.006283	0	2.265	2.265	0
cbWI	$1.361 \cdot 10^{-7}$	$1.361 \cdot 10^{-7}$	0	2.265	2.265	0
cpQ3	-2.206	-2.206	0	1.533	1.533	0
cptbI	$-8.736 \cdot 10^{-6}$	$-8.736 \cdot 10^{-6}$	$1.145 \cdot 10^{-8}$	0.4891	0.4891	0
ctWI	$-7.623 \cdot 10^{-5}$	$-7.623 \cdot 10^{-5}$	0	2.25	2.25	0
ctp	0.05386	0.05386	0	0.05057	0.05057	0
ctpI	-0.001785	-0.001785	0	0.05654	0.05654	0
sm	0	0	0	0.5399	0.5399	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		$1.453 \cdot 10^{-9}$	$1.453 \cdot 10^{-9}$	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		0.005335	0.005335	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	$-1.604 \cdot 10^{-5}$	$-1.604 \cdot 10^{-5}$	0		0.06302	0.06302	$-1.587 \cdot 10^{-8}$
cbWI	$3.022 \cdot 10^{-20}$	$2.58 \cdot 10^{-20}$	0.1463		0.06302	0.06302	$-1.587 \cdot 10^{-8}$
sm	0	0	0		0.0001188	0.0001188	0

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

| | interference | | | | square | | |
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
ctWI	$-5.388 \cdot 10^{-17}$	$-1.059 \cdot 10^{-16}$	-0.9653		13.48	13.48	$1.187 \cdot 10^{-6}$
ctZ	2.148	2.148	$5.587 \cdot 10^{-7}$		3.645	3.645	$1.125 \cdot 10^{-6}$
ctZI	$6.37 \cdot 10^{-17}$	$5.939 \cdot 10^{-17}$	0.06766		7.532	7.532	$1.115 \cdot 10^{-6}$
ctp	-0.2224	-0.2224	$-4.496 \cdot 10^{-8}$		0.006825	0.006825	$-1.465 \cdot 10^{-8}$

	interference				square		
ctpI	$-5.632 \cdot 10^{-18}$	$-6.498 \cdot 10^{-18}$	-0.1537		0.007789	0.007789	$-1.284 \cdot 10^{-8}$
sm	0	0	0		0.4808	0.4808	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	0.002889	0.002889	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	0.004781	0.004781	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	0.001427	0.001427	0	1.456	1.456	0
cbWI	$-2.213 \cdot 10^{-6}$	$-2.213 \cdot 10^{-6}$	0	1.456	1.456	0
cpQ3	0.3385	0.3385	$2.954 \cdot 10^{-8}$	2.95	2.95	0
cpQM	0.2229	0.2229	0	0.9693	0.9693	0
sm	0	0	0	0.007034	0.007034	$1.422 \cdot 10^{-8}$

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

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		0.007992	0.007992	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cpQM	2.071	2.071	0		1.411	1.411	0
cpt	-1.647	-1.647	0		0.3434	0.3434	0
ctWI	$3.765 \cdot 10^{-10}$	0	1		$9.824 \cdot 10^{-13}$	0	1
ctZ	-0.2343	-0.2343	$5.975 \cdot 10^{-7}$		1.269	1.269	$1.104 \cdot 10^{-6}$
ctZI	0.0002323	0.0002323	$5.597 \cdot 10^{-7}$		3.583	3.583	$1.116 \cdot 10^{-6}$
ctp	-0.1133	-0.1133	0		0.05226	0.05226	0
ctpI	-0.001293	-0.001293	0		0.05186	0.05186	0
sm	0	0	0		3.779	3.779	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		0.01039	0.01039	0

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

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cbW	$-1.235 \cdot 10^{-8}$	$-1.235 \cdot 10^{-8}$	0		$7.602 \cdot 10^{-6}$	$7.602 \cdot 10^{-6}$	$1.315 \cdot 10^{-8}$
cbWI	$5.341 \cdot 10^{-7}$	$5.341 \cdot 10^{-7}$	$1.872 \cdot 10^{-8}$		$7.603 \cdot 10^{-6}$	$7.603 \cdot 10^{-6}$	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cpQ3	$-2.774 \cdot 10^{-6}$	$-2.774 \cdot 10^{-6}$	0	$1.167 \cdot 10^{-6}$	$1.167 \cdot 10^{-6}$	0
cpQM	$4.696 \cdot 10^{-6}$	$4.696 \cdot 10^{-6}$	0	$6.268 \cdot 10^{-7}$	$6.268 \cdot 10^{-7}$	$1.595 \cdot 10^{-8}$
cptbI	$1.671 \cdot 10^{-8}$	$1.671 \cdot 10^{-8}$	0	$9.133 \cdot 10^{-7}$	$9.133 \cdot 10^{-7}$	0
ctWI	$-1.795 \cdot 10^{-6}$	$-1.795 \cdot 10^{-6}$	0	$3.112 \cdot 10^{-6}$	$3.112 \cdot 10^{-6}$	0
ctp	$6.46 \cdot 10^{-7}$	$6.46 \cdot 10^{-7}$	0	$5.206 \cdot 10^{-8}$	$5.206 \cdot 10^{-8}$	0
ctpI	$6.059 \cdot 10^{-7}$	$6.059 \cdot 10^{-7}$	0	$3.262 \cdot 10^{-8}$	$3.262 \cdot 10^{-8}$	0
sm	0	0	0	$9.787 \cdot 10^{-6}$	$9.787 \cdot 10^{-6}$	$1.022 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	$1.943 \cdot 10^{-7}$	$1.943 \cdot 10^{-7}$	$5.147 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	$1.342 \cdot 10^{-7}$	$1.342 \cdot 10^{-7}$	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	$3.122 \cdot 10^{-8}$	$3.122 \cdot 10^{-8}$	0	$1.047 \cdot 10^{-8}$	$1.047 \cdot 10^{-8}$	0
cbWI	$-3.041 \cdot 10^{-8}$	$-3.041 \cdot 10^{-8}$	0	$1.051 \cdot 10^{-8}$	$1.051 \cdot 10^{-8}$	0
cpQ3	$5.814 \cdot 10^{-6}$	$5.814 \cdot 10^{-6}$	0	$9.25 \cdot 10^{-6}$	$9.25 \cdot 10^{-6}$	0
cpQM	$-2.189 \cdot 10^{-6}$	$-2.189 \cdot 10^{-6}$	$4.567 \cdot 10^{-8}$	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	0

	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
cpt	$2.176 \cdot 10^{-6}$	$2.176 \cdot 10^{-6}$	0	$1.197 \cdot 10^{-6}$	$1.197 \cdot 10^{-6}$	$8.352 \cdot 10^{-8}$
cptbI	$-1.76 \cdot 10^{-7}$	$-1.76 \cdot 10^{-7}$	0	$2.899 \cdot 10^{-9}$	$2.899 \cdot 10^{-9}$	0
ctWI	$-1.866 \cdot 10^{-6}$	$-1.866 \cdot 10^{-6}$	$-1.072 \cdot 10^{-7}$	$2.89 \cdot 10^{-5}$	$2.89 \cdot 10^{-5}$	$-3.46 \cdot 10^{-8}$
ctZ	$2.777 \cdot 10^{-8}$	$2.777 \cdot 10^{-8}$	$3.601 \cdot 10^{-7}$	$1.704 \cdot 10^{-7}$	$1.704 \cdot 10^{-7}$	$1.056 \cdot 10^{-6}$
ctZI	$3.339 \cdot 10^{-8}$	$3.339 \cdot 10^{-8}$	$5.691 \cdot 10^{-7}$	$1.215 \cdot 10^{-8}$	$1.215 \cdot 10^{-8}$	$1.07 \cdot 10^{-6}$
ctp	$-4.895 \cdot 10^{-7}$	$-4.895 \cdot 10^{-7}$	$-2.043 \cdot 10^{-8}$	$5.607 \cdot 10^{-7}$	$5.607 \cdot 10^{-7}$	0
ctpI	$1.101 \cdot 10^{-6}$	$1.101 \cdot 10^{-6}$	0	$7.353 \cdot 10^{-7}$	$7.353 \cdot 10^{-7}$	0
sm	0	0	0	$7.582 \cdot 10^{-5}$	$7.582 \cdot 10^{-5}$	$1.319 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	4.625	4.625	0

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	3.119	3.119	$-3.206 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
sm	0	0	0	$1.026 \cdot 10^{-6}$	$1.026 \cdot 10^{-6}$	$-9.747 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQbqu1	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
cQbqu1I	0	0	0	0.25	0.25	$3.04 \cdot 10^{-6}$
cQbqu1T	0	0	0	23.58	0.8133	0.9655
cQbqu1TI	0	0	0	7.161	1.851	0.7415
cQbqu8	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cQbqu8I	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cQbqu8T	0	0	0	1.591	0.4114	0.7415
cQbqu8TI	0	0	0	5.241	0.1807	0.9655
cQq13	0.5693	0.5693	$1.756 \cdot 10^{-8}$	2.691	2.691	0
cQq83	$4.888 \cdot 10^{-20}$	$-4.329 \cdot 10^{-19}$	9.856	0.02728	0.02728	0
cQtqd1	0	0	0	0.25	0.25	$3.04 \cdot 10^{-6}$
cQtqd1I	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
cQtqd1T	0	0	0	11.6	1.879	0.838
cQtqd1TI	0	0	0	28.66	1.879	0.9344
cQtqd8	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cQtqd8I	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
cQtqd8T	0	0	0	5.241	0.1807	0.9655
cQtqd8TI	0	0	0	6.368	0.4176	0.9344
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	$2.916 \cdot 10^{-6}$
cbQqd8I	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
cbW	0.0003719	0.0003719	0	0.007753	0.007753	0
cbWI	$3.529 \cdot 10^{-20}$	$4.732 \cdot 10^{-20}$	-0.341	0.007753	0.007753	0
cbtud1	0	0	0	0.6728	0.6728	$6.094 \cdot 10^{-6}$
cbtud1I	0	0	0	0.03069	0.03069	$6.092 \cdot 10^{-6}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cbtud8	0	0	0	0.1555	0.1555	$5.916 \cdot 10^{-6}$
cbtud8I	0	0	0	0.01984	0.01984	$5.948 \cdot 10^{-6}$
cpQ3	0.0004845	0.0004845	0	$1.469 \cdot 10^{-5}$	$1.469 \cdot 10^{-5}$	0
cptb	$-2.193 \cdot 10^{-6}$	$-2.193 \cdot 10^{-6}$	$4.559 \cdot 10^{-8}$	$2.896 \cdot 10^{-5}$	$2.896 \cdot 10^{-5}$	0
cptbI	$-4.226 \cdot 10^{-22}$	$1.438 \cdot 10^{-22}$	1.34	$1.301 \cdot 10^{-6}$	$1.301 \cdot 10^{-6}$	0
ctQqu1	0	0	0	0.25	0.25	$3.08 \cdot 10^{-6}$
ctQqu1I	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
ctQqu8	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
ctQqu8I	0	0	0	0.05556	0.05556	$2.934 \cdot 10^{-6}$
ctW	0.0027	0.0027	$3.704 \cdot 10^{-8}$	0.007094	0.007094	0
ctWI	$1.299 \cdot 10^{-18}$	$-5.749 \cdot 10^{-18}$	5.425	0.008208	0.008208	0
sm	0	0	0	0.03132	0.03132	$3.193 \cdot 10^{-8}$

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	0.2246	0.2246	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	0.006648	0.006648	$-3.009 \cdot 10^{-8}$

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		0.2516	0.2516	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	0.007594	0.007594	0

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cbW	$6.873 \cdot 10^{-6}$	$6.873 \cdot 10^{-6}$	$-2.91 \cdot 10^{-8}$	0.0006187	0.0006187	$-4.849 \cdot 10^{-8}$
cbWI	$1.019 \cdot 10^{-23}$	$-1.787 \cdot 10^{-22}$	18.54	0.0006186	0.0006186	$-3.233 \cdot 10^{-8}$
sm	0	0	0	$8.28 \cdot 10^{-5}$	$8.28 \cdot 10^{-5}$	$-3.623 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cQe2	-0.005186	-0.005186	$-1.928 \cdot 10^{-8}$	0.1188	0.1188	0
cQlM2	0.02136	0.02136	0	0.1125	0.1125	0
cbW	$4.436 \cdot 10^{-5}$	$4.436 \cdot 10^{-5}$	$2.254 \cdot 10^{-8}$	0.002113	0.002113	0
cbWI	$4.556 \cdot 10^{-16}$	$4.557 \cdot 10^{-16}$	$-5.603 \cdot 10^{-5}$	0.002113	0.002113	$4.734 \cdot 10^{-8}$
cblS2	0	0	0	0.1667	0.1667	0
cblSI2	0	0	0	0.1667	0.1667	0
cpQ3	0.0001324	0.0001324	$7.551 \cdot 10^{-8}$	$1.162 \cdot 10^{-5}$	$1.162 \cdot 10^{-5}$	0

	mod1	mod2		mod1	mod2	
cpQM	$9.955 \cdot 10^{-5}$	$9.955 \cdot 10^{-5}$	$2.009 \cdot 10^{-8}$	$3.075 \cdot 10^{-6}$	$3.075 \cdot 10^{-6}$	0
sm	0	0	0	0.001274	0.001274	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQlM1	-0.05912	-0.05912	0	0.2532	0.2532	0
cbW	$1.775 \cdot 10^{-5}$	$1.775 \cdot 10^{-5}$	0	0.001927	0.001927	0
cbWI	$8.919 \cdot 10^{-20}$	$-2.927 \cdot 10^{-21}$	1.033	0.001927	0.001927	0
cpQ3	0.0009915	0.0009915	0	$7.12 \cdot 10^{-5}$	$7.12 \cdot 10^{-5}$	0
cpQM	$7.357 \cdot 10^{-5}$	$7.357 \cdot 10^{-5}$	0	$2.642 \cdot 10^{-6}$	$2.642 \cdot 10^{-6}$	0
sm	0	0	0	0.00374	0.00374	$2.674 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.0232	-0.0232	0	0.135	0.135	0
cQQ8	-0.7493	-0.7493	0	0.1567	0.1567	0
cQb1	0.09413	0.09413	$-2.125 \cdot 10^{-8}$	2.149	2.149	0
cbW	0.002395	0.002395	0	0.03118	0.03118	$3.207 \cdot 10^{-8}$
cbWI	$2.191 \cdot 10^{-18}$	$-1.415 \cdot 10^{-18}$	1.646	0.03118	0.03118	0
cpQ3	-0.1049	-0.1049	0	0.004872	0.004872	0
cpQM	-0.002173	-0.002173	$4.602 \cdot 10^{-8}$	$2.545 \cdot 10^{-5}$	$2.545 \cdot 10^{-5}$	0
sm	0	0	0	4.411	4.411	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQd8	0.32	0.32	0	0.108	0.108	0
cQq11	0.02068	0.02068	0	0.09445	0.09445	0
cQq13	0.02068	0.02068	0	0.09445	0.09445	0
cbQqd1	-0.01371	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$
cbQqd1I	$-4.396 \cdot 10^{-21}$	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	$-9.416 \cdot 10^{-22}$	0	1	0.1111	0.1111	$2.97 \cdot 10^{-6}$
cbW	$6.115 \cdot 10^{-5}$	$6.115 \cdot 10^{-5}$	$1.635 \cdot 10^{-8}$	0.005504	0.005504	$1.817 \cdot 10^{-8}$
cbWI	$9.237 \cdot 10^{-18}$	$9.237 \cdot 10^{-18}$	$2.137 \cdot 10^{-5}$	0.005502	0.005502	0
cpQ3	0.0003029	0.0003029	0	$2.17 \cdot 10^{-5}$	$2.17 \cdot 10^{-5}$	0
cpQM	0.0001555	0.0001555	0	$5.551 \cdot 10^{-6}$	$5.551 \cdot 10^{-6}$	0
sm	0	0	0	0.7495	0.7495	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.1676	-0.1676	0	0.2824	0.2824	0
cQQ8	0.03487	0.03487	$-2.868 \cdot 10^{-8}$	0.02004	0.02004	0
cQb1	-0.008725	-0.008725	$-1.146 \cdot 10^{-8}$	0.4893	0.4893	0
cQt1	-0.2334	-0.2334	0	0.4893	0.4893	0
cQtQb1	-0.009963	-0.009963	0	0.6104	0.6104	0
cQtQb8I	$1.273 \cdot 10^{-19}$	$-1.339 \cdot 10^{-19}$	2.053	0.09636	0.09636	0
cbW	0.005785	0.005785	0	0.1088	0.1088	0
cbWI	$-9.398 \cdot 10^{-19}$	$4.22 \cdot 10^{-19}$	1.449	0.1088	0.1088	0
cpQ3	0.000811	0.000811	$6.165 \cdot 10^{-8}$	0.003994	0.003994	$2.504 \cdot 10^{-8}$
cpQM	-0.0006553	-0.0006553	$-1.526 \cdot 10^{-8}$	$2.555 \cdot 10^{-6}$	$2.555 \cdot 10^{-6}$	$-7.826 \cdot 10^{-8}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cpt	-0.001631	-0.001631	$6.132 \cdot 10^{-8}$	$2.532 \cdot 10^{-5}$	$2.532 \cdot 10^{-5}$	0
cptbI	$-9.22 \cdot 10^{-22}$	$-3.414 \cdot 10^{-21}$	-2.703	0.001593	0.001593	0
ctG	0.09253	0.09253	0	0.04447	0.04447	0
ctGI	$3.162 \cdot 10^{-18}$	$-9.667 \cdot 10^{-18}$	4.057	0.03502	0.03502	0
ctWI	$-8.45 \cdot 10^{-19}$	$-1.653 \cdot 10^{-19}$	0.8044	0.22	0.22	$4.545 \cdot 10^{-8}$
ctZ	0.005851	0.005851	$5.64 \cdot 10^{-7}$	0.004479	0.004479	$1.094 \cdot 10^{-6}$
ctZI	$-2.641 \cdot 10^{-19}$	$1.298 \cdot 10^{-18}$	5.913	0.004099	0.004099	$1.098 \cdot 10^{-6}$
ctb1	-0.005564	-0.005564	$-1.797 \cdot 10^{-8}$	0.09017	0.09017	0
ctp	$-1.31 \cdot 10^{-5}$	$-1.31 \cdot 10^{-5}$	0	$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0
ctpI	$-2.691 \cdot 10^{-21}$	$-2.368 \cdot 10^{-21}$	0.1202	$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
sm	0	0	0	0.4884	0.4884	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	$3.06 \cdot 10^{-6}$
cQbqu1T	0.08859	0	1	20.87	1.184	0.9433
cQbqu1TI	$-2.79 \cdot 10^{-18}$	0	1	34.49	0.04681	0.9986
cQbqu8	$-1.324 \cdot 10^{-20}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$
cQbqu8I	$-4.016 \cdot 10^{-20}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$
cQbqu8T	$8.741 \cdot 10^{-19}$	0	1	7.663	0.0104	0.9986
cQbqu8TI	$-8.03 \cdot 10^{-19}$	0	1	4.639	0.2632	0.9433
cQq11	-0.009446	-0.009446	$1.059 \cdot 10^{-8}$	0.04621	0.04621	0
cQq13	0.009446	0.009446	$1.059 \cdot 10^{-8}$	0.04621	0.04621	0
cQu8	0.4059	0.4059	0	0.137	0.137	0
cbW	$5.866 \cdot 10^{-5}$	$5.866 \cdot 10^{-5}$	0	0.004352	0.004352	0
cbWI	$3.376 \cdot 10^{-18}$	$3.458 \cdot 10^{-18}$	-0.0244	0.00435	0.00435	0
cpQ3	0.001146	0.001146	0	$6.647 \cdot 10^{-5}$	$6.647 \cdot 10^{-5}$	$1.504 \cdot 10^{-8}$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cpQM	0.0001014	0.0001014	0	$5.747 \cdot 10^{-6}$	$5.747 \cdot 10^{-6}$	$-3.48 \cdot 10^{-8}$
sm	0	0	0	0.4932	0.4932	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	0.1274	0.1274	0	0.6023	0.6023	0
cbW	0.000102	0.000102	0	0.003878	0.003878	$2.579 \cdot 10^{-8}$
cbWI	$-3.862 \cdot 10^{-19}$	$-1.326 \cdot 10^{-19}$	0.6567	0.003878	0.003878	$2.579 \cdot 10^{-8}$
cblSI1	0	0	0	0.08333	0.08333	0
cpQ3	0.001089	0.001089	$9.181 \cdot 10^{-8}$	$3.301 \cdot 10^{-5}$	$3.301 \cdot 10^{-5}$	0
cptbI	$-1.741 \cdot 10^{-22}$	$-5.391 \cdot 10^{-23}$	0.6903	$8.169 \cdot 10^{-8}$	$8.169 \cdot 10^{-8}$	$1.224 \cdot 10^{-8}$
ctWI	$1.579 \cdot 10^{-18}$	$3.109 \cdot 10^{-18}$	-0.9686	0.001485	0.001485	0
ctlSI1	0	0	0	0.08333	0.08333	0
ctlTI1	0	0	0	1.021	1.021	0
sm	0	0	0	0.01308	0.01308	0

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	0.001819	0.001819	0

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

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

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.5392	0.5392	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0002853	0.0002853	$-7.011 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01341	0.01341	$-7.457 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.02216	0.02216	0

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.3205	0.3205	$3.12 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.02732	0.02732	$-3.66 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.02537	0.02537	$-3.942 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	0.05951	0.05951	$-3.361 \cdot 10^{-8}$

1.63 $gg \to gg$

	interference			square		
	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$	mod1	mod2	$1 - \mathtt{mod2}/\mathtt{mod1}$
sm	0	0	0	577.6	577.6	0

1.64 $gg \to ggg$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.06678	0.06678	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	0.3179	0.3179	0	0.1039	0.1039	0
ctGI	$1.61 \cdot 10^{-17}$	$1.613 \cdot 10^{-17}$	-0.002105	0.09132	0.09132	0
sm	0	0	0	1.022	1.022	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	0.4727	0.4727	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	0.0007149	0.0007149	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	10.3	10.3	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQlM2	0.01718	0.01718	$5.822 \cdot 10^{-8}$	0.09466	0.09466	0
cpQM	-0.0004415	-0.0004415	0	$1.975 \cdot 10^{-5}$	$1.975 \cdot 10^{-5}$	0
cpt	$-2.253 \cdot 10^{-7}$	$-2.253 \cdot 10^{-7}$	$2.13 \cdot 10^{-6}$	$1.51 \cdot 10^{-6}$	$1.51 \cdot 10^{-6}$	0
ctWI	$\color{blue}{-5.711 \cdot 10^{-25}}$	$\color{blue}{0}$	$\color{blue}{1}$	$\color{red}{1.186 \cdot 10^{-15}}$	$\color{red}{0}$	$\color{red}{1}$
ctZ	0.001877	0.001877	$5.862 \cdot 10^{-7}$	0.002553	0.002553	$1.097 \cdot 10^{-6}$
ctZI	$\color{blue}{4.501 \cdot 10^{-19}}$	$\color{blue}{2.372 \cdot 10^{-18}}$	$\color{blue}{-4.269}$	0.0008202	0.0008202	$1.097 \cdot 10^{-6}$
ctl2	-0.00521	-0.00521	$-3.839 \cdot 10^{-8}$	0.08223	0.08223	0
sm	0	0	0	0.0009299	0.0009299	$1.075 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQe3	-0.01114	-0.01114	$-8.975 \cdot 10^{-8}$	0.225	0.225	0
cQlM3	-0.01897	-0.01897	0	0.07802	0.07802	0
cpQM	$2.392 \cdot 10^{-5}$	$2.392 \cdot 10^{-5}$	$-8.36 \cdot 10^{-8}$	$3.775 \cdot 10^{-6}$	$3.775 \cdot 10^{-6}$	$-2.649 \cdot 10^{-8}$
cpt	$7.06 \cdot 10^{-6}$	$7.06 \cdot 10^{-6}$	$-3.399 \cdot 10^{-7}$	$3.21 \cdot 10^{-6}$	$3.21 \cdot 10^{-6}$	$3.116 \cdot 10^{-8}$
ctWI	$\color{blue}{-3.117 \cdot 10^{-19}}$	$\color{blue}{4.458 \cdot 10^{-19}}$	$\color{blue}{2.43}$	0.002414	0.002414	$1.16 \cdot 10^{-6}$
ctZ	-0.005474	-0.005474	$5.298 \cdot 10^{-7}$	0.0163	0.0163	$1.104 \cdot 10^{-6}$
ctZI	$\color{blue}{-5.821 \cdot 10^{-18}}$	$\color{blue}{-4.038 \cdot 10^{-18}}$	$\color{blue}{0.3064}$	0.007842	0.007842	$1.097 \cdot 10^{-6}$
cte3	-0.01378	-0.01378	0	0.07802	0.07802	0

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
ctlSI3	$1.969 \cdot 10^{-19}$	$2.943 \cdot 10^{-19}$	-0.4947	0.1668	0.1668	0
ctlT3	0.008705	0.008705	0	1.162	1.162	0
ctlTI3	$-4.265 \cdot 10^{-19}$	$-4.547 \cdot 10^{-19}$	-0.06605	1.162	1.162	0
ctp	$-1.012 \cdot 10^{-6}$	$-1.012 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
ctpI	$-1.155 \cdot 10^{-22}$	$-2.21 \cdot 10^{-22}$	-0.9133	$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
sm	0	0	0	0.0008761	0.0008761	$-4.566 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
cQq11	0.0202	0.0202	0	0.08869	0.08869	0
cQq13	0.0202	0.0202	0	0.08869	0.08869	0
cQu8	0.3721	0.3721	0	0.119	0.119	0
cpQM	$-6.86 \cdot 10^{-5}$	$-6.86 \cdot 10^{-5}$	$5.831 \cdot 10^{-8}$	$6.61 \cdot 10^{-6}$	$6.61 \cdot 10^{-6}$	$-1.513 \cdot 10^{-8}$
cpt	-0.0001635	-0.0001635	0	$2.749 \cdot 10^{-5}$	$2.749 \cdot 10^{-5}$	0
ctG	0.1977	0.1977	0	0.03952	0.03952	0
ctGI	$-1.471 \cdot 10^{-24}$	0	1	0.03007	0.03007	0
ctQqu1I	$1.55 \cdot 10^{-18}$	0	1	0.5004	0.5004	$3.097 \cdot 10^{-6}$
ctQqu8I	$8.144 \cdot 10^{-19}$	0	1	0.1112	0.1112	$2.967 \cdot 10^{-6}$
ctWI	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.057 \cdot 10^{-7}$	0.007455	0.007455	$9.524 \cdot 10^{-7}$
ctZ	-0.003096	-0.003096	$5.492 \cdot 10^{-7}$	0.008877	0.008877	$1.093 \cdot 10^{-6}$
ctZI	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$6.919 \cdot 10^{-7}$	0.01185	0.01185	$1.097 \cdot 10^{-6}$
ctq8	0.5602	0.5602	0	0.1825	0.1825	0
ctu1	0.01096	0.01096	$-9.127 \cdot 10^{-8}$	0.08869	0.08869	0
ctu8	0.07788	0.07788	0	0.01971	0.01971	0
sm	0	0	0	0.8743	0.8743	0

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

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
cQd1	-0.004706	-0.004706	$-2.125 \cdot 10^{-8}$	0.2155	0.2155	0
cQd8	0.2774	0.2774	0	0.08705	0.08705	0
cQq11	-0.1834	-0.1834	0	0.9012	0.9012	0
cQq13	0.1834	0.1834	0	0.9012	0.9012	0
cQq81	0.23	0.23	0	0.07104	0.07104	0
cQq83	-0.23	-0.23	0	0.07104	0.07104	0
cQtqd1	-0.4725	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd1I	$-2.939 \cdot 10^{-18}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd1T	1.704	0	1	7.099	0.5553	0.9218
cQtqd1TI	$-2.043 \cdot 10^{-17}$	0	1	29.25	0.5553	0.981
cQtqd8	$-5.064 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8I	$4.617 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8T	$4.815 \cdot 10^{-17}$	0	1	8.937	0.1929	0.9784
cQtqd8TI	$-4.481 \cdot 10^{-18}$	0	1	6.5	0.1234	0.981
cpQM	-0.001296	-0.001296	0	$4.517 \cdot 10^{-5}$	$4.517 \cdot 10^{-5}$	$2.214 \cdot 10^{-8}$
cpt	$5.057 \cdot 10^{-5}$	$5.057 \cdot 10^{-5}$	$-5.933 \cdot 10^{-8}$	$1.99 \cdot 10^{-5}$	$1.99 \cdot 10^{-5}$	0
ctG	0.1977	0.1977	0	0.01689	0.01689	0
ctGI	$1.654 \cdot 10^{-24}$	$-9.191 \cdot 10^{-25}$	1.556	0.007443	0.007443	0
ctW	0.003647	0.003647	$-5.485 \cdot 10^{-8}$	0.006616	0.006616	$3.779 \cdot 10^{-7}$
ctWI	$1.466 \cdot 10^{-15}$	$1.465 \cdot 10^{-15}$	0.0004909	0.003127	0.003127	$3.838 \cdot 10^{-7}$
ctZ	$2.861 \cdot 10^{-5}$	$2.861 \cdot 10^{-5}$	$1.748 \cdot 10^{-6}$	0.005277	0.005277	$1.099 \cdot 10^{-6}$
ctZI	$-1.106 \cdot 10^{-15}$	$-1.106 \cdot 10^{-15}$	-0.000512	0.0008715	0.0008715	$1.09 \cdot 10^{-6}$
ctd1	-0.01867	-0.01867	0	0.3197	0.3197	0
ctd8	0.23	0.23	0	0.07104	0.07104	0
ctq1	0.000222	0.000222	$-7.657 \cdot 10^{-7}$	0.2155	0.2155	0
ctq8	0.4697	0.4697	0	0.1519	0.1519	0

| sm | 0 | 0 | 0 | 0.7654 | 0.7654 | 0 |

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

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
cQd1	-0.009047	-0.009047	$-2.211 \cdot 10^{-8}$	0.5256	0.5256	0
cQd8	0.05592	0.05592	0	0.0123	0.0123	0
cQq11	-0.1624	-0.1624	0	0.7989	0.7989	0
cQq13	0.1624	0.1624	0	0.7989	0.7989	0
cQq81	0.08057	0.08057	0	0.02062	0.02062	0
cQq83	-0.08057	-0.08057	0	0.02062	0.02062	0
cQtqd1	-0.4725	0	1	0.5004	0.5004	$3.037 \cdot 10^{-6}$
cQtqd1I	$-1.272 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
cQtqd1T	2.797	0	1	17.32	1.887	0.891
cQtqd1TI	$1.125 \cdot 10^{-18}$	0	1	47.77	1.887	0.9605
cQtqd8	$-5.975 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8I	$2.409 \cdot 10^{-20}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
cQtqd8T	$1.493 \cdot 10^{-17}$	0	1	3.685	0.661	0.8206
cQtqd8TI	$8.44 \cdot 10^{-18}$	0	1	10.61	0.4194	0.9605
cpQM	-0.001147	-0.001147	$8.716 \cdot 10^{-8}$	$4.006 \cdot 10^{-5}$	$4.006 \cdot 10^{-5}$	0
cpt	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	$-1.852 \cdot 10^{-7}$	$3.849 \cdot 10^{-6}$	$3.849 \cdot 10^{-6}$	0
ctG	0.1977	0.1977	0	0.0241	0.0241	0
ctGI	$1.471 \cdot 10^{-24}$	$1.838 \cdot 10^{-24}$	-0.25	0.01466	0.01466	0
ctW	0.001779	0.001779	$5.622 \cdot 10^{-8}$	0.005673	0.005673	$3.878 \cdot 10^{-7}$
ctWI	$5.661 \cdot 10^{-13}$	$5.661 \cdot 10^{-13}$	$9.715 \cdot 10^{-7}$	0.004192	0.004192	$3.817 \cdot 10^{-7}$
ctZ	0.0009073	0.0009073	$6.062 \cdot 10^{-7}$	0.004046	0.004046	$1.112 \cdot 10^{-6}$
ctZI	$-4.955 \cdot 10^{-13}$	$-4.955 \cdot 10^{-13}$	$9.083 \cdot 10^{-7}$	0.001716	0.001716	$1.107 \cdot 10^{-6}$
ctd1	-0.005711	-0.005711	$-3.502 \cdot 10^{-8}$	0.09278	0.09278	0

	interference			square		
ctd8	0.08057	0.08057	0	0.02062	0.02062	0
ctq1	0.009246	0.009246	$-4.326 \cdot 10^{-8}$	0.5256	0.5256	0
ctq8	0.07496	0.07496	0	0.01872	0.01872	0
sm	0	0	0	0.6793	0.6793	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQQ1	-0.2643	-0.2643	0	1.327	1.327	0
cQQ8	0.0002512	0.0002512	$-1.194 \cdot 10^{-7}$	0.01291	0.01291	0
cQt1	-0.268	-0.268	0	13.01	13.01	0
cpQM	0.06129	0.06129	0	0.00851	0.00851	0
cpt	-0.03584	-0.03584	0	0.008763	0.008763	0
ctG	0.1618	0.1618	0	0.4069	0.4069	0
ctGI	$1.93 \cdot 10^{-17}$	$2.358 \cdot 10^{-17}$	-0.2216	0.338	0.338	0
ctWI	$3.93 \cdot 10^{-17}$	$5.799 \cdot 10^{-19}$	0.9852	0.3645	0.3645	$9.602 \cdot 10^{-7}$
ctZ	0.04249	0.04249	$5.413 \cdot 10^{-7}$	0.0923	0.0923	$1.094 \cdot 10^{-6}$
ctZI	$-6.096 \cdot 10^{-18}$	$2.289 \cdot 10^{-17}$	4.754	0.2433	0.2433	$1.11 \cdot 10^{-6}$
ctp	0.04266	0.04266	0	0.008415	0.008415	0
ctpI	$6.35 \cdot 10^{-19}$	$-5.842 \cdot 10^{-19}$	1.92	0.004786	0.004786	0
ctt1	-0.4834	-0.4834	$-2.069 \cdot 10^{-8}$	5.306	5.306	0
sm	0	0	0	1.498	1.498	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	0.007808	0.007808	$1.281 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
sm	0	0	0	$3.016 \cdot 10^{-5}$	$3.016 \cdot 10^{-5}$	0

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

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
sm	0	0	0	443.4	443.4	0

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

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
sm	0	0	0	0.0005301	0.0005301	$-1.887 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1
sm	0	0	0	2.99	2.99	0

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

	interference			square		
	mod1	mod2	$1 - $ mod2/mod1	mod1	mod2	$1 - $ mod2/mod1

sm	0	0	0	42.87	42.87	$2.333 \cdot 10^{-8}$

1.81 $zz \to zz$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.08151	0.08151	0

2   By parameter point

2.1   cQQ1

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
$b\bar{b} \to b\bar{b}$	-0.0232	-0.0232	0	0.135	0.135	0
$b\bar{b} \to t\bar{t}$	-0.1676	-0.1676	0	0.2824	0.2824	0
$t\bar{t} \to t\bar{t}$	-0.2643	-0.2643	0	1.327	1.327	0

2.2   cQQ8

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
$b\bar{b} \to b\bar{b}$	-0.7493	-0.7493	0	0.1567	0.1567	0
$b\bar{b} \to t\bar{t}$	0.03487	0.03487	$-2.868 \cdot 10^{-8}$	0.02004	0.02004	0
$t\bar{t} \to t\bar{t}$	0.0002512	0.0002512	$-1.194 \cdot 10^{-7}$	0.01291	0.01291	0

2.3   cQb1

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$b\bar{b} \to b\bar{b}$	0.09413	0.09413	$-2.125 \cdot 10^{-8}$	2.149	2.149	0
$b\bar{b} \to t\bar{t}$	-0.008725	-0.008725	$-1.146 \cdot 10^{-8}$	0.4893	0.4893	0

2.4 cQbqu1

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

2.5 cQbqu1I

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

2.6 cQbqu1T

	interference			square		
	mod1	mod2	$1 - \mathrm{mod2/mod1}$	mod1	mod2	$1 - \mathrm{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	23.58	0.8133	0.9655
$b\bar{b} \to u\bar{u}$	0.08859	0	1	20.87	1.184	0.9433

2.7 cQbqu1TI

	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	7.161	1.851	0.7415
$b\bar{b} \to u\bar{u}$	$-2.79 \cdot 10^{-18}$	0	1	34.49	0.04681	0.9986

2.8 cQbqu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-1.324 \cdot 10^{-20}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$

2.9 cQbqu8I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$b\bar{b} \to u\bar{u}$	$-4.016 \cdot 10^{-20}$	0	1	0.1111	0.1111	$3.06 \cdot 10^{-6}$

2.10 cQbqu8T

	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	1.591	0.4114	0.7415
$b\bar{b} \to u\bar{u}$	$8.741 \cdot 10^{-19}$	0	1	7.663	0.0104	0.9986

2.11 cQbqu8TI

	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		5.241	0.1807	0.9655
$b\bar{b} \to u\bar{u}$	$-8.03 \cdot 10^{-19}$	0	1		4.639	0.2632	0.9433

2.12 cQd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	-0.004706	-0.004706	$-2.125 \cdot 10^{-8}$	0.2155	0.2155	0
$t\bar{t} \to s\bar{s}$	-0.009047	-0.009047	$-2.211 \cdot 10^{-8}$	0.5256	0.5256	0

2.13 cQd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.32	0.32	0	0.108	0.108	0
$t\bar{t} \to d\bar{d}$	0.2774	0.2774	0	0.08705	0.08705	0
$t\bar{t} \to s\bar{s}$	0.05592	0.05592	0	0.0123	0.0123	0

2.14 cQe2

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	-0.005186	-0.005186	$-1.928 \cdot 10^{-8}$	0.1188	0.1188	0

2.15 cQe3

interference	square

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.01114	-0.01114	$-8.975 \cdot 10^{-8}$	0.225	0.225	0

2.16 cQl31

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \to e^-\bar{\nu}_e$	0.1274	0.1274	0	0.6023	0.6023	0

2.17 cQlM1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \nu_e\bar{\nu}_e$	-0.05912	-0.05912	0	0.2532	0.2532	0

2.18 cQlM2

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \mu^+\mu^-$	0.02136	0.02136	0	0.1125	0.1125	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.01718	0.01718	$5.822 \cdot 10^{-8}$	0.09466	0.09466	0

2.19 cQlM3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.01897	-0.01897	0	0.07802	0.07802	0

2.20 cQq11

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to d\bar{d}$	0.02068	0.02068	0	0.09445	0.09445	0
$b\bar{b} \to u\bar{u}$	-0.009446	-0.009446	$1.059 \cdot 10^{-8}$	0.04621	0.04621	0
$t\bar{t} \to c\bar{c}$	0.0202	0.0202	0	0.08869	0.08869	0
$t\bar{t} \to d\bar{d}$	-0.1834	-0.1834	0	0.9012	0.9012	0
$t\bar{t} \to s\bar{s}$	-0.1624	-0.1624	0	0.7989	0.7989	0

2.21 cQq13

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0.5693	0.5693	$1.756 \cdot 10^{-8}$	2.691	2.691	0
$b\bar{b} \to d\bar{d}$	0.02068	0.02068	0	0.09445	0.09445	0
$b\bar{b} \to u\bar{u}$	0.009446	0.009446	$1.059 \cdot 10^{-8}$	0.04621	0.04621	0
$t\bar{t} \to c\bar{c}$	0.0202	0.0202	0	0.08869	0.08869	0
$t\bar{t} \to d\bar{d}$	0.1834	0.1834	0	0.9012	0.9012	0
$t\bar{t} \to s\bar{s}$	0.1624	0.1624	0	0.7989	0.7989	0

2.22 cQq81

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	0.23	0.23	0	0.07104	0.07104	0
$t\bar{t} \to s\bar{s}$	0.08057	0.08057	0	0.02062	0.02062	0

2.23 cQq83

<table>
<tr><td></td><td colspan="3">interference</td><td colspan="3">square</td></tr>
<tr><td></td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td></tr>
<tr><td>$\bar{b}t \to \bar{d}u$</td><td>$4.888 \cdot 10^{-20}$</td><td>$-4.329 \cdot 10^{-19}$</td><td>9.856</td><td>0.02728</td><td>0.02728</td><td>0</td></tr>
<tr><td>$t\bar{t} \to d\bar{d}$</td><td>-0.23</td><td>-0.23</td><td>0</td><td>0.07104</td><td>0.07104</td><td>0</td></tr>
<tr><td>$t\bar{t} \to s\bar{s}$</td><td>-0.08057</td><td>-0.08057</td><td>0</td><td>0.02062</td><td>0.02062</td><td>0</td></tr>
</table>

2.24 cQt1

<table>
<tr><td></td><td colspan="3">interference</td><td colspan="3">square</td></tr>
<tr><td></td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td></tr>
<tr><td>$b\bar{b} \to t\bar{t}$</td><td>-0.2334</td><td>-0.2334</td><td>0</td><td>0.4893</td><td>0.4893</td><td>0</td></tr>
<tr><td>$t\bar{t} \to t\bar{t}$</td><td>-0.268</td><td>-0.268</td><td>0</td><td>13.01</td><td>13.01</td><td>0</td></tr>
</table>

2.25 cQtQb1

<table>
<tr><td></td><td colspan="3">interference</td><td colspan="3">square</td></tr>
<tr><td></td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td></tr>
<tr><td>$b\bar{b} \to t\bar{t}$</td><td>-0.009963</td><td>-0.009963</td><td>0</td><td>0.6104</td><td>0.6104</td><td>0</td></tr>
</table>

2.26 cQtQb8I

<table>
<tr><td></td><td colspan="3">interference</td><td colspan="3">square</td></tr>
<tr><td></td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td><td>mod1</td><td>mod2</td><td>$1 - \text{mod2}/\text{mod1}$</td></tr>
<tr><td>$b\bar{b} \to t\bar{t}$</td><td>$1.273 \cdot 10^{-19}$</td><td>$-1.339 \cdot 10^{-19}$</td><td>2.053</td><td>0.09636</td><td>0.09636</td><td>0</td></tr>
</table>

2.27 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	$3.04 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	-0.4725	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	-0.4725	0	1	0.5004	0.5004	$3.037 \cdot 10^{-6}$

2.28 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	$3.08 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-2.939 \cdot 10^{-18}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-1.272 \cdot 10^{-17}$	0	1	0.5004	0.5004	$3.057 \cdot 10^{-6}$

2.29 cQtqd1T

	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	11.6	1.879	0.838
$t\bar{t} \to d\bar{d}$	1.704	0	1	7.099	0.5553	0.9218
$t\bar{t} \to s\bar{s}$	2.797	0	1	17.32	1.887	0.891

2.30 cQtqd1TI

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

	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	28.66	1.879	0.9344
$t\bar{t} \to d\bar{d}$	$-2.043 \cdot 10^{-17}$	0	1	29.25	0.5553	0.981
$t\bar{t} \to s\bar{s}$	$1.125 \cdot 10^{-18}$	0	1	47.77	1.887	0.9605

2.31 cQtqd8

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-5.064 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-5.975 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$

2.32 cQtqd8I

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$3.06 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$4.617 \cdot 10^{-18}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$2.409 \cdot 10^{-20}$	0	1	0.1112	0.1112	$3.057 \cdot 10^{-6}$

2.33 cQtqd8T

	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	5.241	0.1807	0.9655
$t\bar{t} \to d\bar{d}$	$4.815 \cdot 10^{-17}$	0	1	8.937	0.1929	0.9784
$t\bar{t} \to s\bar{s}$	$1.493 \cdot 10^{-17}$	0	1	3.685	0.661	0.8206

2.34   cQtqd8TI

	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	6.368	0.4176	0.9344
$t\bar{t} \to d\bar{d}$	$-4.481 \cdot 10^{-18}$	0	1	6.5	0.1234	0.981
$t\bar{t} \to s\bar{s}$	$8.44 \cdot 10^{-18}$	0	1	10.61	0.4194	0.9605

2.35   cQu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to u\bar{u}$	0.4059	0.4059	0	0.137	0.137	0
$t\bar{t} \to c\bar{c}$	0.3721	0.3721	0	0.119	0.119	0

2.36   cbQqd1

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

2.37   cbQqd1I

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.25	0.25	$3.12 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-4.396 \cdot 10^{-21}$	0	1	0.5	0.5	$3.1 \cdot 10^{-6}$

2.38   cbQqd8

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$6.094 \cdot 10^{-10}$	0	1	0.1111	0.1111	$2.97 \cdot 10^{-6}$

2.39   cbQqd8I

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.05556	0.05556	$2.916 \cdot 10^{-6}$
$b\bar{b} \to d\bar{d}$	$-9.416 \cdot 10^{-22}$	0	1	0.1111	0.1111	$2.97 \cdot 10^{-6}$

2.40   cbW

	interference			square		
	mod1	mod2	$1 - \text{mod2/mod1}$	mod1	mod2	$1 - \text{mod2/mod1}$
$HH \to W^+\bar{t}b$	$-1.176 \cdot 10^{-6}$	$-1.176 \cdot 10^{-6}$	0	$1.346 \cdot 10^{-5}$	$1.346 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$2.367 \cdot 10^{-7}$	$2.367 \cdot 10^{-7}$	0	$5.43 \cdot 10^{-6}$	$5.43 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-2.009 \cdot 10^{-6}$	$-2.009 \cdot 10^{-6}$	0	$1.602 \cdot 10^{-5}$	$1.602 \cdot 10^{-5}$	$-6.243 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	0.006283	0.006283	0	2.265	2.265	0
$H\gamma \to b\bar{b}$	$-1.604 \cdot 10^{-5}$	$-1.604 \cdot 10^{-5}$	0	0.06302	0.06302	$-1.587 \cdot 10^{-8}$
$Hz \to b\bar{b}$	0.001427	0.001427	0	1.456	1.456	0
$W^+W^- \to Hb\bar{b}$	$-1.235 \cdot 10^{-8}$	$-1.235 \cdot 10^{-8}$	0	$7.602 \cdot 10^{-6}$	$7.602 \cdot 10^{-6}$	$1.315 \cdot 10^{-8}$
$W^+W^- \to Ht\bar{t}$	$3.122 \cdot 10^{-8}$	$3.122 \cdot 10^{-8}$	0	$1.047 \cdot 10^{-8}$	$1.047 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	0.0003719	0.0003719	0	0.007753	0.007753	0
$b\bar{b} \to \gamma\gamma$	$6.873 \cdot 10^{-6}$	$6.873 \cdot 10^{-6}$	$-2.91 \cdot 10^{-8}$	0.0006187	0.0006187	$-4.849 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	$4.436 \cdot 10^{-5}$	$4.436 \cdot 10^{-5}$	$2.254 \cdot 10^{-8}$	0.002113	0.002113	0

$b\bar{b} \to \nu_e \bar{\nu}_e$	$1.775 \cdot 10^{-5}$	$1.775 \cdot 10^{-5}$	0	0.001927	0.001927	0
$b\bar{b} \to b\bar{b}$	0.002395	0.002395	0	0.03118	0.03118	$3.207 \cdot 10^{-8}$
$b\bar{b} \to d\bar{d}$	$6.115 \cdot 10^{-5}$	$6.115 \cdot 10^{-5}$	$1.635 \cdot 10^{-8}$	0.005504	0.005504	$1.817 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	0.005785	0.005785	0	0.1088	0.1088	0
$b\bar{b} \to u\bar{u}$	$5.866 \cdot 10^{-5}$	$5.866 \cdot 10^{-5}$	0	0.004352	0.004352	0
$b\bar{t} \to e^- \bar{\nu}_e$	0.000102	0.000102	0	0.003878	0.003878	$2.579 \cdot 10^{-8}$

2.41 cbWI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+ \bar{t} b$	$9.196 \cdot 10^{-7}$	$9.196 \cdot 10^{-7}$	0	$1.346 \cdot 10^{-5}$	$1.346 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$-3.295 \cdot 10^{-8}$	$-3.295 \cdot 10^{-8}$	$3.035 \cdot 10^{-8}$	$5.422 \cdot 10^{-6}$	$5.422 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$2.122 \cdot 10^{-6}$	$2.122 \cdot 10^{-6}$	0	$1.602 \cdot 10^{-5}$	$1.602 \cdot 10^{-5}$	0
$HW^- \to \bar{t}b$	$1.361 \cdot 10^{-7}$	$1.361 \cdot 10^{-7}$	0	2.265	2.265	0
$H\gamma \to b\bar{b}$	$3.022 \cdot 10^{-20}$	$2.58 \cdot 10^{-20}$	0.1463	0.06302	0.06302	$-1.587 \cdot 10^{-8}$
$Hz \to b\bar{b}$	$-2.213 \cdot 10^{-6}$	$-2.213 \cdot 10^{-6}$	0	1.456	1.456	0
$W^+ W^- \to Hb\bar{b}$	$5.341 \cdot 10^{-7}$	$5.341 \cdot 10^{-7}$	$1.872 \cdot 10^{-8}$	$7.603 \cdot 10^{-6}$	$7.603 \cdot 10^{-6}$	0
$W^+ W^- \to Ht\bar{t}$	$-3.041 \cdot 10^{-8}$	$-3.041 \cdot 10^{-8}$	0	$1.051 \cdot 10^{-8}$	$1.051 \cdot 10^{-8}$	0
$\bar{b}t \to \bar{d}u$	$3.529 \cdot 10^{-20}$	$4.732 \cdot 10^{-20}$	-0.341	0.007753	0.007753	0
$b\bar{b} \to \gamma\gamma$	$1.019 \cdot 10^{-23}$	$-1.787 \cdot 10^{-22}$	18.54	0.0006186	0.0006186	$-3.233 \cdot 10^{-8}$
$b\bar{b} \to \mu^+ \mu^-$	$4.556 \cdot 10^{-16}$	$4.557 \cdot 10^{-16}$	$-5.603 \cdot 10^{-5}$	0.002113	0.002113	$4.734 \cdot 10^{-8}$
$b\bar{b} \to \nu_e \bar{\nu}_e$	$8.919 \cdot 10^{-20}$	$-2.927 \cdot 10^{-21}$	1.033	0.001927	0.001927	0
$b\bar{b} \to b\bar{b}$	$2.191 \cdot 10^{-18}$	$-1.415 \cdot 10^{-18}$	1.646	0.03118	0.03118	0
$b\bar{b} \to d\bar{d}$	$9.237 \cdot 10^{-18}$	$9.237 \cdot 10^{-18}$	$2.137 \cdot 10^{-5}$	0.005502	0.005502	0
$b\bar{b} \to t\bar{t}$	$-9.398 \cdot 10^{-19}$	$4.22 \cdot 10^{-19}$	1.449	0.1088	0.1088	0
$b\bar{b} \to u\bar{u}$	$3.376 \cdot 10^{-18}$	$3.458 \cdot 10^{-18}$	-0.0244	0.00435	0.00435	0
$b\bar{t} \to e^- \bar{\nu}_e$	$-3.862 \cdot 10^{-19}$	$-1.326 \cdot 10^{-19}$	0.6567	0.003878	0.003878	$2.579 \cdot 10^{-8}$

2.42 cblS2

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

2.43 cblSI1

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

2.44 cblSI2

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

2.45 cbtud1

	interference				square		
	mod1	mod2	$1 - \texttt{mod2/mod1}$		mod1	mod2	$1 - \texttt{mod2/mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0		0.6728	0.6728	$6.094 \cdot 10^{-6}$

2.46 cbtud1I

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

$\bar{b}t \to \bar{d}u$	0	0	0	0.03069	0.03069	$6.092 \cdot 10^{-6}$

2.47 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	0.1555	0.1555	$5.916 \cdot 10^{-6}$

2.48 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	0.01984	0.01984	$5.948 \cdot 10^{-6}$

2.49 cpQ3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$1.846 \cdot 10^{-5}$	$1.846 \cdot 10^{-5}$	0	$3.446 \cdot 10^{-5}$	$3.446 \cdot 10^{-5}$	0
$HH \to z\bar{b}b$	$1.636 \cdot 10^{-6}$	$1.636 \cdot 10^{-6}$	0	$5.587 \cdot 10^{-6}$	$5.587 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-1.286 \cdot 10^{-6}$	$-1.286 \cdot 10^{-6}$	0	$1.251 \cdot 10^{-6}$	$1.251 \cdot 10^{-6}$	0
$HW^- \to \bar{t}b$	-2.206	-2.206	0	1.533	1.533	0
$Hz \to b\bar{b}$	0.3385	0.3385	$2.954 \cdot 10^{-8}$	2.95	2.95	0
$W^+W^- \to Hb\bar{b}$	$-2.774 \cdot 10^{-6}$	$-2.774 \cdot 10^{-6}$	0	$1.167 \cdot 10^{-6}$	$1.167 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$5.814 \cdot 10^{-6}$	$5.814 \cdot 10^{-6}$	0	$9.25 \cdot 10^{-6}$	$9.25 \cdot 10^{-6}$	0
$\bar{b}t \to \bar{d}u$	0.0004845	0.0004845	0	$1.469 \cdot 10^{-5}$	$1.469 \cdot 10^{-5}$	0
$b\bar{b} \to \mu^+\mu^-$	0.0001324	0.0001324	$7.551 \cdot 10^{-8}$	$1.162 \cdot 10^{-5}$	$1.162 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_e\bar{\nu}_e$	0.0009915	0.0009915	0	$7.12 \cdot 10^{-5}$	$7.12 \cdot 10^{-5}$	0

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to b\bar{b}$	-0.1049	-0.1049	0	0.004872	0.004872	0
$b\bar{b} \to d\bar{d}$	0.0003029	0.0003029	0	$2.17 \cdot 10^{-5}$	$2.17 \cdot 10^{-5}$	0
$b\bar{b} \to t\bar{t}$	0.000811	0.000811	$6.165 \cdot 10^{-8}$	0.003994	0.003994	$2.504 \cdot 10^{-8}$
$b\bar{b} \to u\bar{u}$	0.001146	0.001146	0	$6.647 \cdot 10^{-5}$	$6.647 \cdot 10^{-5}$	$1.504 \cdot 10^{-8}$
$b\bar{t} \to e^- \bar{\nu}_e$	0.001089	0.001089	$9.181 \cdot 10^{-8}$	$3.301 \cdot 10^{-5}$	$3.301 \cdot 10^{-5}$	0

2.50 cpQM

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to z\bar{b}b$	$1.013 \cdot 10^{-5}$	$1.013 \cdot 10^{-5}$	0	$2.79 \cdot 10^{-5}$	$2.79 \cdot 10^{-5}$	0
$HH \to zt\bar{t}$	$2.828 \cdot 10^{-5}$	$2.828 \cdot 10^{-5}$	0	$2.942 \cdot 10^{-5}$	$2.942 \cdot 10^{-5}$	0
$Hz \to b\bar{b}$	0.2229	0.2229	0	0.9693	0.9693	0
$Hz \to t\bar{t}$	2.071	2.071	0	1.411	1.411	0
$W^+ W^- \to Hb\bar{b}$	$4.696 \cdot 10^{-6}$	$4.696 \cdot 10^{-6}$	0	$6.268 \cdot 10^{-7}$	$6.268 \cdot 10^{-7}$	$1.595 \cdot 10^{-8}$
$W^+ W^- \to Ht\bar{t}$	$-2.189 \cdot 10^{-6}$	$-2.189 \cdot 10^{-6}$	$4.567 \cdot 10^{-8}$	$2.031 \cdot 10^{-6}$	$2.031 \cdot 10^{-6}$	0
$b\bar{b} \to \mu^+ \mu^-$	$9.955 \cdot 10^{-5}$	$9.955 \cdot 10^{-5}$	$2.009 \cdot 10^{-8}$	$3.075 \cdot 10^{-6}$	$3.075 \cdot 10^{-6}$	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	$7.357 \cdot 10^{-5}$	$7.357 \cdot 10^{-5}$	0	$2.642 \cdot 10^{-6}$	$2.642 \cdot 10^{-6}$	0
$b\bar{b} \to b\bar{b}$	-0.002173	-0.002173	$4.602 \cdot 10^{-8}$	$2.545 \cdot 10^{-5}$	$2.545 \cdot 10^{-5}$	0
$b\bar{b} \to d\bar{d}$	0.0001555	0.0001555	0	$5.551 \cdot 10^{-6}$	$5.551 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	-0.0006553	-0.0006553	$-1.526 \cdot 10^{-8}$	$2.555 \cdot 10^{-6}$	$2.555 \cdot 10^{-6}$	$-7.826 \cdot 10^{-8}$
$b\bar{b} \to u\bar{u}$	0.0001014	0.0001014	0	$5.747 \cdot 10^{-6}$	$5.747 \cdot 10^{-6}$	$-3.48 \cdot 10^{-8}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	-0.0004415	-0.0004415	0	$1.975 \cdot 10^{-5}$	$1.975 \cdot 10^{-5}$	0
$t\bar{t} \to \tau^+ \tau^-$	$2.392 \cdot 10^{-5}$	$2.392 \cdot 10^{-5}$	$-8.36 \cdot 10^{-8}$	$3.775 \cdot 10^{-6}$	$3.775 \cdot 10^{-6}$	$-2.649 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	$-6.86 \cdot 10^{-5}$	$-6.86 \cdot 10^{-5}$	$5.831 \cdot 10^{-8}$	$6.61 \cdot 10^{-6}$	$6.61 \cdot 10^{-6}$	$-1.513 \cdot 10^{-8}$
$t\bar{t} \to d\bar{d}$	-0.001296	-0.001296	0	$4.517 \cdot 10^{-5}$	$4.517 \cdot 10^{-5}$	$2.214 \cdot 10^{-8}$
$t\bar{t} \to s\bar{s}$	-0.001147	-0.001147	$8.716 \cdot 10^{-8}$	$4.006 \cdot 10^{-5}$	$4.006 \cdot 10^{-5}$	0
$t\bar{t} \to t\bar{t}$	0.06129	0.06129	0	0.00851	0.00851	0

2.51 cpt

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$-3.477 \cdot 10^{-5}$	$-3.477 \cdot 10^{-5}$	0	$2.752 \cdot 10^{-5}$	$2.752 \cdot 10^{-5}$	0
$Hz \to t\bar{t}$	-1.647	-1.647	0	0.3434	0.3434	0
$W^+W^- \to Ht\bar{t}$	$2.176 \cdot 10^{-6}$	$2.176 \cdot 10^{-6}$	0	$1.197 \cdot 10^{-6}$	$1.197 \cdot 10^{-6}$	$8.352 \cdot 10^{-8}$
$b\bar{b} \to t\bar{t}$	-0.001631	-0.001631	$6.132 \cdot 10^{-8}$	$2.532 \cdot 10^{-5}$	$2.532 \cdot 10^{-5}$	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	$-2.253 \cdot 10^{-7}$	$-2.253 \cdot 10^{-7}$	$2.13 \cdot 10^{-6}$	$1.51 \cdot 10^{-6}$	$1.51 \cdot 10^{-6}$	0
$t\bar{t} \to \tau^+\tau^-$	$7.06 \cdot 10^{-6}$	$7.06 \cdot 10^{-6}$	$-3.399 \cdot 10^{-7}$	$3.21 \cdot 10^{-6}$	$3.21 \cdot 10^{-6}$	$3.116 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	-0.0001635	-0.0001635	0	$2.749 \cdot 10^{-5}$	$2.749 \cdot 10^{-5}$	0
$t\bar{t} \to d\bar{d}$	$5.057 \cdot 10^{-5}$	$5.057 \cdot 10^{-5}$	$-5.933 \cdot 10^{-8}$	$1.99 \cdot 10^{-5}$	$1.99 \cdot 10^{-5}$	0
$t\bar{t} \to s\bar{s}$	$1.619 \cdot 10^{-5}$	$1.619 \cdot 10^{-5}$	$-1.852 \cdot 10^{-7}$	$3.849 \cdot 10^{-6}$	$3.849 \cdot 10^{-6}$	0
$t\bar{t} \to t\bar{t}$	-0.03584	-0.03584	0	0.008763	0.008763	0

2.52 cptb

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	$-2.193 \cdot 10^{-6}$	$-2.193 \cdot 10^{-6}$	$4.559 \cdot 10^{-8}$	$2.896 \cdot 10^{-5}$	$2.896 \cdot 10^{-5}$	0

2.53 cptbI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$-2.918 \cdot 10^{-7}$	$-2.918 \cdot 10^{-7}$	0	$2.402 \cdot 10^{-6}$	$2.402 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$1.891 \cdot 10^{-10}$	$1.891 \cdot 10^{-10}$	0	$6.997 \cdot 10^{-8}$	$6.997 \cdot 10^{-8}$	$-1.429 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	$-8.736 \cdot 10^{-6}$	$-8.736 \cdot 10^{-6}$	$1.145 \cdot 10^{-8}$	0.4891	0.4891	0
$W^+W^- \to Hb\bar{b}$	$1.671 \cdot 10^{-8}$	$1.671 \cdot 10^{-8}$	0	$9.133 \cdot 10^{-7}$	$9.133 \cdot 10^{-7}$	0

	interference			square		
$W^+W^- \to Ht\bar{t}$	$-1.76 \cdot 10^{-7}$	$-1.76 \cdot 10^{-7}$	0	$2.899 \cdot 10^{-9}$	$2.899 \cdot 10^{-9}$	0
$\bar{b}t \to \bar{d}u$	$-4.226 \cdot 10^{-22}$	$1.438 \cdot 10^{-22}$	1.34	$1.301 \cdot 10^{-6}$	$1.301 \cdot 10^{-6}$	0
$b\bar{b} \to t\bar{t}$	$-9.22 \cdot 10^{-22}$	$-3.414 \cdot 10^{-21}$	-2.703	0.001593	0.001593	0
$b\bar{t} \to e^-\bar{\nu}_e$	$-1.741 \cdot 10^{-22}$	$-5.391 \cdot 10^{-23}$	0.6903	$8.169 \cdot 10^{-8}$	$8.169 \cdot 10^{-8}$	$1.224 \cdot 10^{-8}$

2.54 ctG

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	0.09253	0.09253	0	0.04447	0.04447	0
$gg \to t\bar{t}$	0.3179	0.3179	0	0.1039	0.1039	0
$t\bar{t} \to c\bar{c}$	0.1977	0.1977	0	0.03952	0.03952	0
$t\bar{t} \to d\bar{d}$	0.1977	0.1977	0	0.01689	0.01689	0
$t\bar{t} \to s\bar{s}$	0.1977	0.1977	0	0.0241	0.0241	0
$t\bar{t} \to t\bar{t}$	0.1618	0.1618	0	0.4069	0.4069	0

2.55 ctGI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	$3.162 \cdot 10^{-18}$	$-9.667 \cdot 10^{-18}$	4.057	0.03502	0.03502	0
$gg \to t\bar{t}$	$1.61 \cdot 10^{-17}$	$1.613 \cdot 10^{-17}$	-0.002105	0.09132	0.09132	0
$t\bar{t} \to c\bar{c}$	$-1.471 \cdot 10^{-24}$	0	1	0.03007	0.03007	0
$t\bar{t} \to d\bar{d}$	$1.654 \cdot 10^{-24}$	$-9.191 \cdot 10^{-25}$	1.556	0.007443	0.007443	0
$t\bar{t} \to s\bar{s}$	$1.471 \cdot 10^{-24}$	$1.838 \cdot 10^{-24}$	-0.25	0.01466	0.01466	0
$t\bar{t} \to t\bar{t}$	$1.93 \cdot 10^{-17}$	$2.358 \cdot 10^{-17}$	-0.2216	0.338	0.338	0

2.56 ctQqu1

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

2.57 ctQqu1I

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0	0	0		0.25	0.25	$3.12 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$1.55 \cdot 10^{-18}$	0	1		0.5004	0.5004	$3.097 \cdot 10^{-6}$

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	$2.916 \cdot 10^{-6}$

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	$2.934 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$8.144 \cdot 10^{-19}$	0	1		0.1112	0.1112	$2.967 \cdot 10^{-6}$

2.60 ctW

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$\bar{b}t \to \bar{d}u$	0.0027	0.0027	$3.704 \cdot 10^{-8}$	0.007094	0.007094	0
$t\bar{t} \to d\bar{d}$	0.003647	0.003647	$-5.485 \cdot 10^{-8}$	0.006616	0.006616	$3.779 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	0.001779	0.001779	$5.622 \cdot 10^{-8}$	0.005673	0.005673	$3.878 \cdot 10^{-7}$

2.61 ctWI

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+\bar{t}b$	$5.961 \cdot 10^{-6}$	$5.961 \cdot 10^{-6}$	0	$2.238 \cdot 10^{-6}$	$2.238 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$-2.015 \cdot 10^{-13}$	0	1	$7.154 \cdot 10^{-18}$	0	1
$HW^+ \to \gamma t\bar{b}$	$1.159 \cdot 10^{-7}$	$1.159 \cdot 10^{-7}$	$9.488 \cdot 10^{-7}$	$1.202 \cdot 10^{-5}$	$1.202 \cdot 10^{-5}$	$1.248 \cdot 10^{-6}$
$HW^- \to \bar{t}b$	$-7.623 \cdot 10^{-5}$	$-7.623 \cdot 10^{-5}$	0	2.25	2.25	0
$H\gamma \to t\bar{t}$	$-5.388 \cdot 10^{-17}$	$-1.059 \cdot 10^{-16}$	-0.9653	13.48	13.48	$1.187 \cdot 10^{-6}$
$Hz \to t\bar{t}$	$3.765 \cdot 10^{-10}$	0	1	$9.824 \cdot 10^{-13}$	0	1
$W^+W^- \to Hb\bar{b}$	$-1.795 \cdot 10^{-6}$	$-1.795 \cdot 10^{-6}$	0	$3.112 \cdot 10^{-6}$	$3.112 \cdot 10^{-6}$	0
$W^+W^- \to Ht\bar{t}$	$-1.866 \cdot 10^{-6}$	$-1.866 \cdot 10^{-6}$	$-1.072 \cdot 10^{-7}$	$2.89 \cdot 10^{-5}$	$2.89 \cdot 10^{-5}$	$-3.46 \cdot 10^{-8}$
$\bar{b}t \to \bar{d}u$	$1.299 \cdot 10^{-18}$	$-5.749 \cdot 10^{-18}$	5.425	0.008208	0.008208	0
$b\bar{b} \to t\bar{t}$	$-8.45 \cdot 10^{-19}$	$-1.653 \cdot 10^{-19}$	0.8044	0.22	0.22	$4.545 \cdot 10^{-8}$
$b\bar{t} \to e^-\bar{\nu}_e$	$1.579 \cdot 10^{-18}$	$3.109 \cdot 10^{-18}$	-0.9686	0.001485	0.001485	0
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$-5.711 \cdot 10^{-25}$	0	1	$1.186 \cdot 10^{-15}$	0	1
$t\bar{t} \to \tau^+\tau^-$	$-3.117 \cdot 10^{-19}$	$4.458 \cdot 10^{-19}$	2.43	0.002414	0.002414	$1.16 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$1.156 \cdot 10^{-10}$	$1.156 \cdot 10^{-10}$	$6.057 \cdot 10^{-7}$	0.007455	0.007455	$9.524 \cdot 10^{-7}$
$t\bar{t} \to d\bar{d}$	$1.466 \cdot 10^{-15}$	$1.465 \cdot 10^{-15}$	0.0004909	0.003127	0.003127	$3.838 \cdot 10^{-7}$
$t\bar{t} \to s\bar{s}$	$5.661 \cdot 10^{-13}$	$5.661 \cdot 10^{-13}$	$9.715 \cdot 10^{-7}$	0.004192	0.004192	$3.817 \cdot 10^{-7}$
$t\bar{t} \to t\bar{t}$	$3.93 \cdot 10^{-17}$	$5.799 \cdot 10^{-19}$	0.9852	0.3645	0.3645	$9.602 \cdot 10^{-7}$

2.62 ctZ

interference	square

	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$2.295 \cdot 10^{-6}$	$2.295 \cdot 10^{-6}$	$5.664 \cdot 10^{-7}$	$3.342 \cdot 10^{-5}$	$3.342 \cdot 10^{-5}$	$1.107 \cdot 10^{-6}$
$HW^+ \to \gamma t\bar{b}$	$2.574 \cdot 10^{-7}$	$2.574 \cdot 10^{-7}$	$5.829 \cdot 10^{-7}$	$4.429 \cdot 10^{-6}$	$4.429 \cdot 10^{-6}$	$1.129 \cdot 10^{-6}$
$H\gamma \to t\bar{t}$	2.148	2.148	$5.587 \cdot 10^{-7}$	3.645	3.645	$1.125 \cdot 10^{-6}$
$Hz \to t\bar{t}$	-0.2343	-0.2343	$5.975 \cdot 10^{-7}$	1.269	1.269	$1.104 \cdot 10^{-6}$
$W^+W^- \to Ht\bar{t}$	$2.777 \cdot 10^{-8}$	$2.777 \cdot 10^{-8}$	$3.601 \cdot 10^{-7}$	$1.704 \cdot 10^{-7}$	$1.704 \cdot 10^{-7}$	$1.056 \cdot 10^{-6}$
$b\bar{b} \to t\bar{t}$	0.005851	0.005851	$5.64 \cdot 10^{-7}$	0.004479	0.004479	$1.094 \cdot 10^{-6}$
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	0.001877	0.001877	$5.862 \cdot 10^{-7}$	0.002553	0.002553	$1.097 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	-0.005474	-0.005474	$5.298 \cdot 10^{-7}$	0.0163	0.0163	$1.104 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	-0.003096	-0.003096	$5.492 \cdot 10^{-7}$	0.008877	0.008877	$1.093 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$2.861 \cdot 10^{-5}$	$2.861 \cdot 10^{-5}$	$1.748 \cdot 10^{-6}$	0.005277	0.005277	$1.099 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	0.0009073	0.0009073	$6.062 \cdot 10^{-7}$	0.004046	0.004046	$1.112 \cdot 10^{-6}$
$t\bar{t} \to t\bar{t}$	0.04249	0.04249	$5.413 \cdot 10^{-7}$	0.0923	0.0923	$1.094 \cdot 10^{-6}$

2.63 ctZI

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
$HH \to zt\bar{t}$	$-6.854 \cdot 10^{-7}$	$-6.854 \cdot 10^{-7}$	$5.69 \cdot 10^{-7}$	$3.839 \cdot 10^{-5}$	$3.839 \cdot 10^{-5}$	$1.094 \cdot 10^{-6}$
$HW^+ \to \gamma t\bar{b}$	$3.144 \cdot 10^{-6}$	$3.144 \cdot 10^{-6}$	$5.725 \cdot 10^{-7}$	$1.44 \cdot 10^{-5}$	$1.44 \cdot 10^{-5}$	$1.111 \cdot 10^{-6}$
$H\gamma \to t\bar{t}$	$6.37 \cdot 10^{-17}$	$5.939 \cdot 10^{-17}$	0.06766	7.532	7.532	$1.115 \cdot 10^{-6}$
$Hz \to t\bar{t}$	0.0002323	0.0002323	$5.597 \cdot 10^{-7}$	3.583	3.583	$1.116 \cdot 10^{-6}$
$W^+W^- \to Ht\bar{t}$	$3.339 \cdot 10^{-8}$	$3.339 \cdot 10^{-8}$	$5.691 \cdot 10^{-7}$	$1.215 \cdot 10^{-8}$	$1.215 \cdot 10^{-8}$	$1.07 \cdot 10^{-6}$
$b\bar{b} \to t\bar{t}$	$-2.641 \cdot 10^{-19}$	$1.298 \cdot 10^{-18}$	5.913	0.004099	0.004099	$1.098 \cdot 10^{-6}$
$t\bar{t} \to \nu_\mu\bar{\nu}_\mu$	$4.501 \cdot 10^{-19}$	$2.372 \cdot 10^{-18}$	-4.269	0.0008202	0.0008202	$1.097 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$-5.821 \cdot 10^{-18}$	$-4.038 \cdot 10^{-18}$	0.3064	0.007842	0.007842	$1.097 \cdot 10^{-6}$
$t\bar{t} \to c\bar{c}$	$-1.012 \cdot 10^{-10}$	$-1.012 \cdot 10^{-10}$	$6.919 \cdot 10^{-7}$	0.01185	0.01185	$1.097 \cdot 10^{-6}$
$t\bar{t} \to d\bar{d}$	$-1.106 \cdot 10^{-15}$	$-1.106 \cdot 10^{-15}$	-0.000512	0.0008715	0.0008715	$1.09 \cdot 10^{-6}$
$t\bar{t} \to s\bar{s}$	$-4.955 \cdot 10^{-13}$	$-4.955 \cdot 10^{-13}$	$9.083 \cdot 10^{-7}$	0.001716	0.001716	$1.107 \cdot 10^{-6}$

$t\bar{t} \to t\bar{t}$	$-6.096 \cdot 10^{-18}$	$2.289 \cdot 10^{-17}$	4.754	0.2433	0.2433	$1.11 \cdot 10^{-6}$

2.64 ctb1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to t\bar{t}$	-0.005564	-0.005564	$-1.797 \cdot 10^{-8}$	0.09017	0.09017	0

2.65 ctd1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	-0.01867	-0.01867	0	0.3197	0.3197	0
$t\bar{t} \to s\bar{s}$	-0.005711	-0.005711	$-3.502 \cdot 10^{-8}$	0.09278	0.09278	0

2.66 ctd8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	0.23	0.23	0	0.07104	0.07104	0
$t\bar{t} \to s\bar{s}$	0.08057	0.08057	0	0.02062	0.02062	0

2.67 cte3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.01378	-0.01378	0	0.07802	0.07802	0

2.68   ctl2

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	-0.00521	-0.00521	$-3.839 \cdot 10^{-8}$		0.08223	0.08223	0

2.69   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

2.70   ctlSI3

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+ \tau^-$	$1.969 \cdot 10^{-19}$	$2.943 \cdot 10^{-19}$	-0.4947		0.1668	0.1668	0

2.71   ctlT3

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+ \tau^-$	0.008705	0.008705	0		1.162	1.162	0

2.72   ctlTI1

	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	1.021	1.021	0

2.73 ctlTI3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	$-4.265 \cdot 10^{-19}$	$-4.547 \cdot 10^{-19}$	-0.06605	1.162	1.162	0

2.74 ctp

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$3.449 \cdot 10^{-5}$	$3.449 \cdot 10^{-5}$	0	$2.149 \cdot 10^{-5}$	$2.149 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	$1.764 \cdot 10^{-5}$	$1.764 \cdot 10^{-5}$	0	$5.558 \cdot 10^{-6}$	$5.558 \cdot 10^{-6}$	0
$HH \to zt\bar{t}$	$5.436 \cdot 10^{-6}$	$5.436 \cdot 10^{-6}$	0	$3.137 \cdot 10^{-6}$	$3.137 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$2.134 \cdot 10^{-7}$	$2.134 \cdot 10^{-7}$	$-4.686 \cdot 10^{-8}$	$6.836 \cdot 10^{-8}$	$6.836 \cdot 10^{-8}$	$-1.463 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	0.05386	0.05386	0	0.05057	0.05057	0
$H\gamma \to t\bar{t}$	-0.2224	-0.2224	$-4.496 \cdot 10^{-8}$	0.006825	0.006825	$-1.465 \cdot 10^{-8}$
$Hz \to t\bar{t}$	-0.1133	-0.1133	0	0.05226	0.05226	0
$W^+W^- \to Hb\bar{b}$	$6.46 \cdot 10^{-7}$	$6.46 \cdot 10^{-7}$	0	$5.206 \cdot 10^{-8}$	$5.206 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$-4.895 \cdot 10^{-7}$	$-4.895 \cdot 10^{-7}$	$-2.043 \cdot 10^{-8}$	$5.607 \cdot 10^{-7}$	$5.607 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$-1.31 \cdot 10^{-5}$	$-1.31 \cdot 10^{-5}$	0	$6.089 \cdot 10^{-7}$	$6.089 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$-1.012 \cdot 10^{-6}$	$-1.012 \cdot 10^{-6}$	0	$3.101 \cdot 10^{-8}$	$3.101 \cdot 10^{-8}$	0
$t\bar{t} \to t\bar{t}$	0.04266	0.04266	0	0.008415	0.008415	0

2.75 ctpI

	interference			square		

	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to Ht\bar{t}$	$2.398 \cdot 10^{-5}$	$2.398 \cdot 10^{-5}$	0	$4.187 \cdot 10^{-5}$	$4.187 \cdot 10^{-5}$	0
$HH \to W^+\bar{t}b$	$7.674 \cdot 10^{-6}$	$7.674 \cdot 10^{-6}$	$1.303 \cdot 10^{-8}$	$9.878 \cdot 10^{-6}$	$9.878 \cdot 10^{-6}$	$1.012 \cdot 10^{-8}$
$HH \to zt\bar{t}$	$4.373 \cdot 10^{-7}$	$4.373 \cdot 10^{-7}$	0	$3.224 \cdot 10^{-6}$	$3.224 \cdot 10^{-6}$	0
$HW^+ \to \gamma t\bar{b}$	$-5.57 \cdot 10^{-8}$	$-5.57 \cdot 10^{-8}$	$1.795 \cdot 10^{-8}$	$8.477 \cdot 10^{-8}$	$8.477 \cdot 10^{-8}$	$-1.18 \cdot 10^{-8}$
$HW^- \to \bar{t}b$	-0.001785	-0.001785	0	0.05654	0.05654	0
$H\gamma \to t\bar{t}$	$-5.632 \cdot 10^{-18}$	$-6.498 \cdot 10^{-18}$	-0.1537	0.007789	0.007789	$-1.284 \cdot 10^{-8}$
$Hz \to t\bar{t}$	-0.001293	-0.001293	0	0.05186	0.05186	0
$W^+W^- \to Hb\bar{b}$	$6.059 \cdot 10^{-7}$	$6.059 \cdot 10^{-7}$	0	$3.262 \cdot 10^{-8}$	$3.262 \cdot 10^{-8}$	0
$W^+W^- \to Ht\bar{t}$	$1.101 \cdot 10^{-6}$	$1.101 \cdot 10^{-6}$	0	$7.353 \cdot 10^{-7}$	$7.353 \cdot 10^{-7}$	0
$b\bar{b} \to t\bar{t}$	$-2.691 \cdot 10^{-21}$	$-2.368 \cdot 10^{-21}$	0.1202	$6.906 \cdot 10^{-7}$	$6.906 \cdot 10^{-7}$	0
$t\bar{t} \to \tau^+\tau^-$	$-1.155 \cdot 10^{-22}$	$-2.21 \cdot 10^{-22}$	-0.9133	$3.49 \cdot 10^{-8}$	$3.49 \cdot 10^{-8}$	0
$t\bar{t} \to t\bar{t}$	$6.35 \cdot 10^{-19}$	$-5.842 \cdot 10^{-19}$	1.92	0.004786	0.004786	0

2.76 ctq1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to d\bar{d}$	0.000222	0.000222	$-7.657 \cdot 10^{-7}$	0.2155	0.2155	0
$t\bar{t} \to s\bar{s}$	0.009246	0.009246	$-4.326 \cdot 10^{-8}$	0.5256	0.5256	0

2.77 ctq8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.5602	0.5602	0	0.1825	0.1825	0
$t\bar{t} \to d\bar{d}$	0.4697	0.4697	0	0.1519	0.1519	0
$t\bar{t} \to s\bar{s}$	0.07496	0.07496	0	0.01872	0.01872	0

2.78 ctt1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to t\bar{t}$	-0.4834	-0.4834	$-2.069 \cdot 10^{-8}$	5.306	5.306	0

2.79 ctu1

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.01096	0.01096	$-9.127 \cdot 10^{-8}$	0.08869	0.08869	0

2.80 ctu8

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to c\bar{c}$	0.07788	0.07788	0	0.01971	0.01971	0

2.81 sm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to HH$	0	0	0	0.2047	0.2047	0
$HH \to HHH$	0	0	0	$2.579 \cdot 10^{-7}$	$2.579 \cdot 10^{-7}$	0
$HH \to H\tau^+\tau^-$	0	0	0	$7.468 \cdot 10^{-11}$	$7.468 \cdot 10^{-11}$	0
$HH \to Hb\bar{b}$	0	0	0	$1.226 \cdot 10^{-9}$	$1.226 \cdot 10^{-9}$	0
$HH \to Ht\bar{t}$	0	0	0	$5.805 \cdot 10^{-6}$	$5.805 \cdot 10^{-6}$	0
$HH \to Hzz$	0	0	0	$7.337 \cdot 10^{-6}$	$7.337 \cdot 10^{-6}$	0

$HH \to W^+W^-$	0	0	0	0.09021	0.09021	$1.109 \cdot 10^{-8}$
$HH \to W^+W^-\gamma$	0	0	0	$4.679 \cdot 10^{-5}$	$4.679 \cdot 10^{-5}$	$-2.137 \cdot 10^{-8}$
$HH \to W^+\bar{t}b$	0	0	0	0.0001377	0.0001377	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$1.145 \cdot 10^{-7}$	$1.145 \cdot 10^{-7}$	$8.734 \cdot 10^{-8}$
$HH \to W^-u\bar{d}$	0	0	0	$1.107 \cdot 10^{-6}$	$1.107 \cdot 10^{-6}$	$9.033 \cdot 10^{-8}$
$HH \to z\bar{b}b$	0	0	0	$1.864 \cdot 10^{-6}$	$1.864 \cdot 10^{-6}$	0
$HH \to z\nu_e\bar{\nu}_e$	0	0	0	$1.87 \cdot 10^{-7}$	$1.87 \cdot 10^{-7}$	0
$HH \to zc\bar{c}$	0	0	0	$2.581 \cdot 10^{-7}$	$2.581 \cdot 10^{-7}$	0
$HH \to zd\bar{d}$	0	0	0	0.004286	0.004286	0
$HH \to ze^+e^-$	0	0	0	$6.15 \cdot 10^{-8}$	$6.15 \cdot 10^{-8}$	0
$HH \to zt\bar{t}$	0	0	0	$1.378 \cdot 10^{-5}$	$1.378 \cdot 10^{-5}$	0
$HH \to zz$	0	0	0	0.07641	0.07641	0
$HW^+ \to \gamma t\bar{b}$	0	0	0	$1.849 \cdot 10^{-7}$	$1.849 \cdot 10^{-7}$	$-5.407 \cdot 10^{-8}$
$HW^+ \to \gamma u\bar{d}$	0	0	0	$7.647 \cdot 10^{-9}$	$7.647 \cdot 10^{-9}$	0
$HW^+ \to u\bar{d}$	0	0	0	0.02277	0.02277	0
$HW^- \to \bar{t}b$	0	0	0	0.5399	0.5399	0
$HW^- \to \gamma e^-\bar{\nu}_e$	0	0	0	$1.453 \cdot 10^{-9}$	$1.453 \cdot 10^{-9}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0	0	0	0.005335	0.005335	0
$H\gamma \to b\bar{b}$	0	0	0	0.0001188	0.0001188	0
$H\gamma \to t\bar{t}$	0	0	0	0.4808	0.4808	0
$Hz \to \mu^+\mu^-$	0	0	0	0.002889	0.002889	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.004781	0.004781	0
$Hz \to b\bar{b}$	0	0	0	0.007034	0.007034	$1.422 \cdot 10^{-8}$
$Hz \to s\bar{s}$	0	0	0	0.007992	0.007992	0
$Hz \to t\bar{t}$	0	0	0	3.779	3.779	0
$Hz \to u\bar{u}$	0	0	0	0.01039	0.01039	0
$W^+W^- \to Hb\bar{b}$	0	0	0	$9.787 \cdot 10^{-6}$	$9.787 \cdot 10^{-6}$	$1.022 \cdot 10^{-8}$
$W^+W^- \to Hc\bar{c}$	0	0	0	$1.943 \cdot 10^{-7}$	$1.943 \cdot 10^{-7}$	$5.147 \cdot 10^{-8}$
$W^+W^- \to Hd\bar{d}$	0	0	0	$1.342 \cdot 10^{-7}$	$1.342 \cdot 10^{-7}$	0

$W^+W^- \to Ht\bar{t}$	0	0	0	$7.582 \cdot 10^{-5}$	$7.582 \cdot 10^{-5}$	$1.319 \cdot 10^{-8}$
$W^+W^- \to W^+W^-$	0	0	0	4.625	4.625	0
$W^+W^- \to \gamma\gamma$	0	0	0	3.119	3.119	$-3.206 \cdot 10^{-8}$
$W^+W^- \to \gamma\gamma\gamma$	0	0	0	$1.026 \cdot 10^{-6}$	$1.026 \cdot 10^{-6}$	$-9.747 \cdot 10^{-8}$
$\bar{b}t \to \bar{d}u$	0	0	0	0.03132	0.03132	$3.193 \cdot 10^{-8}$
$\gamma W^+ \to zW^+$	0	0	0	0.2246	0.2246	0
$\mu^+\mu^- \to \tau^+\tau^-$	0	0	0	0.006648	0.006648	$-3.009 \cdot 10^{-8}$
$\nu_\tau \bar{\nu}_\tau \to \nu_\tau \bar{\nu}_\tau$	0	0	0	0.2516	0.2516	0
$\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$	0	0	0	0.007594	0.007594	0
$b\bar{b} \to \gamma\gamma$	0	0	0	$8.28 \cdot 10^{-5}$	$8.28 \cdot 10^{-5}$	$-3.623 \cdot 10^{-8}$
$b\bar{b} \to \mu^+\mu^-$	0	0	0	0.001274	0.001274	0
$b\bar{b} \to \nu_e \bar{\nu}_e$	0	0	0	0.00374	0.00374	$2.674 \cdot 10^{-8}$
$b\bar{b} \to b\bar{b}$	0	0	0	4.411	4.411	0
$b\bar{b} \to d\bar{d}$	0	0	0	0.7495	0.7495	0
$b\bar{b} \to t\bar{t}$	0	0	0	0.4884	0.4884	0
$b\bar{b} \to u\bar{u}$	0	0	0	0.4932	0.4932	0
$b\bar{t} \to e^- \bar{\nu}_e$	0	0	0	0.01308	0.01308	0
$c\bar{c} \to \mu^+\mu^-$	0	0	0	0.001819	0.001819	0
$c\bar{s} \to \tau^+\nu_\tau$	0	0	0	0.005257	0.005257	$1.902 \cdot 10^{-8}$
$d\bar{d} \to c\bar{c}$	0	0	0	0.5392	0.5392	0
$d\bar{d} \to e^+e^-$	0	0	0	0.0002853	0.0002853	$-7.011 \cdot 10^{-8}$
$e^+\nu_\mu \to e^+\nu_\mu$	0	0	0	0.01341	0.01341	$-7.457 \cdot 10^{-8}$
$e^+\nu_e \to \mu^+\nu_\mu$	0	0	0	0.02216	0.02216	0
$e^+\nu_e \to e^+\nu_e$	0	0	0	0.3205	0.3205	$3.12 \cdot 10^{-8}$
$e^+\tau^- \to e^+\tau^-$	0	0	0	0.02732	0.02732	$-3.66 \cdot 10^{-8}$
$e^+e^- \to \mu^+\mu^-$	0	0	0	0.02537	0.02537	$-3.942 \cdot 10^{-8}$
$e^+e^- \to e^+e^-$	0	0	0	0.05951	0.05951	$-3.361 \cdot 10^{-8}$
$gg \to gg$	0	0	0	577.6	577.6	0
$gg \to ggg$	0	0	0	0.06678	0.06678	0

$gg \to t\bar{t}$	0	0	0	1.022	1.022	0
$gg \to u\bar{u}$	0	0	0	0.4727	0.4727	0
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0	0	0	0.0007149	0.0007149	0
$s\bar{s} \to s\bar{s}$	0	0	0	10.3	10.3	0
$t\bar{t} \to \nu_\mu \bar{\nu}_\mu$	0	0	0	0.0009299	0.0009299	$1.075 \cdot 10^{-8}$
$t\bar{t} \to \tau^+ \tau^-$	0	0	0	0.0008761	0.0008761	$-4.566 \cdot 10^{-8}$
$t\bar{t} \to c\bar{c}$	0	0	0	0.8743	0.8743	0
$t\bar{t} \to d\bar{d}$	0	0	0	0.7654	0.7654	0
$t\bar{t} \to s\bar{s}$	0	0	0	0.6793	0.6793	0
$t\bar{t} \to t\bar{t}$	0	0	0	1.498	1.498	0
$u\bar{d} \to \mu^+ \nu_\mu$	0	0	0	0.007808	0.007808	$1.281 \cdot 10^{-8}$
$u\bar{d} \to c\bar{s}$	0	0	0	$3.016 \cdot 10^{-5}$	$3.016 \cdot 10^{-5}$	0
$u\bar{d} \to u\bar{d}$	0	0	0	443.4	443.4	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	0	0	0	0.0005301	0.0005301	$-1.887 \cdot 10^{-8}$
$u\bar{u} \to u\bar{u}$	0	0	0	2.99	2.99	0
$zz \to W^+ W^-$	0	0	0	42.87	42.87	$2.333 \cdot 10^{-8}$
$zz \to zz$	0	0	0	0.08151	0.08151	0