1 By process

1.1 $HH \to W^+W^-\gamma$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.992 \cdot 10^{-6}$	$1.992 \cdot 10^{-6}$	0

1.2 $HH \to W^+e^-\bar{\nu}_e$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$2.32 \cdot 10^{-7}$	$2.32 \cdot 10^{-7}$	0

1.3 $HH \to z\nu_e\bar{\nu}_e$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$9.566 \cdot 10^{-7}$	$9.566 \cdot 10^{-7}$	0

1.4 $HH \to ze^+e^-$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$4.446 \cdot 10^{-8}$	$4.446 \cdot 10^{-8}$	0

1.5 $HW^- \to \bar{t}b$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.3677	0.3677	0

1.6 $HW^- \to \gamma e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	$1.275 \cdot 10^{-7}$	$1.275 \cdot 10^{-7}$	0

1.7 $HW^- \to \mu^- \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.007437	0.007437	$-1.345 \cdot 10^{-8}$

1.8 $Hz \to \mu^+ \mu^-$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.001907	0.001907	0

1.9 $Hz \to \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$	mod1	mod2	$1 - \texttt{mod2}/\texttt{mod1}$
sm	0	0	0	0.005683	0.005683	0

1.10 $W^+W^- \to W^+W^-$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	21.34	21.34	0

1.11 $W^+W^- \to \gamma\gamma$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	5.232	5.232	$3.823 \cdot 10^{-8}$

1.12 $\gamma W^+ \to z W^+$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.3262	0.3262	0

1.13 $\mu^+\mu^- \to \tau^+\tau^-$

		interference			square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.009736	0.009736	$2.054 \cdot 10^{-8}$

1.14 $\nu_\tau \bar{\nu}_\tau \to \nu_\tau \bar{\nu}_\tau$

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

	mod1	mod2		mod1	mod2	
sm	0	0	0	0.0005449	0.0005449	0

1.15 $\nu_e \bar{\nu}_e \to \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.626 \cdot 10^{-5}$	$1.626 \cdot 10^{-5}$	0

1.16 $b\bar{b} \to \nu_\mu \bar{\nu}_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQl1	-0.007309	-0.007309	0	0.0313	0.0313	0
cQl3	0.007309	0.007309	0	0.0313	0.0313	0
sm	0	0	0	0.0005012	0.0005012	0

1.17 $b\bar{t} \to e^- \bar{\nu}_e$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQl3	0.03448	0.03448	0	0.163	0.163	0
cleQt1Im	0	0	0	0.08333	0.08333	$-3.06 \cdot 10^{-6}$
cleQt1Re	0	0	0	0.08333	0.08333	$-3.06 \cdot 10^{-6}$
cleQt3Im	0	0	0	0.172	0.172	$-3.082 \cdot 10^{-6}$
cleQt3Re	0	0	0	0.172	0.172	$-3.082 \cdot 10^{-6}$
clebQIm	0	0	0	0.08333	0.08333	$-3.06 \cdot 10^{-6}$
clebQRe	0	0	0	0.08333	0.08333	$-3.06 \cdot 10^{-6}$
sm	0	0	0	0.001824	0.001824	0

4

1.18 $c\bar{c} \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.005361	0.005361	$1.865 \cdot 10^{-8}$

1.19 $c\bar{s} \to \tau^+\nu_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.004672	0.004672	$-2.14 \cdot 10^{-8}$

1.20 $d\bar{d} \to e^+e^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.003027	0.003027	0

1.21 $e^+\nu_\mu \to e^+\nu_\mu$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.005241	0.005241	$3.816 \cdot 10^{-8}$

1.22 $e^+\nu_e \to \mu^+\nu_\mu$

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

sm	0	0	0	0.0003472	0.0003472	0

1.23 $e^+\nu_e \to e^+\nu_e$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	0.01616	0.01616	0

1.24 $e^+\tau^- \to e^+\tau^-$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	1.145	1.145	0

1.25 $e^+e^- \to \mu^+\mu^-$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	0.01037	0.01037	0

1.26 $e^+e^- \to e^+e^-$

	interference			square		
	mod1	mod2	$1-\text{mod2}/\text{mod1}$	mod1	mod2	$1-\text{mod2}/\text{mod1}$
sm	0	0	0	0.01863	0.01863	$5.369 \cdot 10^{-8}$

1.27 $s\bar{s} \to \nu_\tau\bar{\nu}_\tau$

6

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.002504	0.002504	0

1.28 $t\bar{t} \to \tau^+\tau^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQe	-0.003051	-0.003051	$3.277 \cdot 10^{-8}$	0.03241	0.03241	0
cQl1	-0.04075	-0.04075	$-2.454 \cdot 10^{-8}$	0.1717	0.1717	0
cQl3	0.04075	0.04075	$-2.454 \cdot 10^{-8}$	0.1717	0.1717	0
cleQt1Im	$\color{blue}{-6.071 \cdot 10^{-18}}$	$\color{blue}{-5.878 \cdot 10^{-18}}$	$\color{blue}{0.03175}$	0.1668	0.1668	$-3.057 \cdot 10^{-6}$
cleQt1Re	0.1592	0.1592	$-1.507 \cdot 10^{-6}$	0.1668	0.1668	$-3.057 \cdot 10^{-6}$
cleQt3Im	$\color{red}{1.052 \cdot 10^{-16}}$	$\color{red}{1.416 \cdot 10^{-17}}$	$\color{red}{0.8655}$	0.5972	0.5972	$-3.048 \cdot 10^{-6}$
cleQt3Re	-0.282	-0.282	$-1.525 \cdot 10^{-6}$	0.5972	0.5972	$-3.048 \cdot 10^{-6}$
cte	-0.02983	-0.02983	$3.353 \cdot 10^{-8}$	0.1717	0.1717	0
ctl	-0.005051	-0.005051	0	0.03241	0.03241	0
sm	0	0	0	0.003801	0.003801	0

1.29 $t\bar{t} \to t\bar{t}$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.3372	0.3372	0

1.30 $u\bar{d} \to \mu^+\nu_\mu$

interference	square

	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
sm	0	0	0		0.01077	0.01077	0

1.31 $u\bar{u} \rightarrow \nu_e\bar{\nu}_e$

	interference				square		
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
sm	0	0	0		0.0009629	0.0009629	$-1.039 \cdot 10^{-8}$

1.32 $zz \rightarrow W^+W^-$

	interference				square		
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
sm	0	0	0		103.1	103.1	0

2 By parameter point

2.1 cQe

	interference				square		
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
$t\bar{t} \rightarrow \tau^+\tau^-$	−0.003051	−0.003051	$3.277 \cdot 10^{-8}$		0.03241	0.03241	0

2.2 cQl1

	interference				square		
	mod1	mod2	1 − mod2/mod1		mod1	mod2	1 − mod2/mod1
$b\bar{b} \rightarrow \nu_\mu\bar{\nu}_\mu$	−0.007309	−0.007309	0		0.0313	0.0313	0

| $t\bar{t} \to \tau^+\tau^-$ | -0.04075 | -0.04075 | $-2.454 \cdot 10^{-8}$ | | 0.1717 | 0.1717 | 0 |

2.3   cQl3

	interference				square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \to \nu_\mu \bar{\nu}_\mu$	0.007309	0.007309	0		0.0313	0.0313	0
$b\bar{t} \to e^- \bar{\nu}_e$	0.03448	0.03448	0		0.163	0.163	0
$t\bar{t} \to \tau^+ \tau^-$	0.04075	0.04075	$-2.454 \cdot 10^{-8}$		0.1717	0.1717	0

2.4   cleQt1Im

	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	$-3.06 \cdot 10^{-6}$
$t\bar{t} \to \tau^+ \tau^-$	$-6.071 \cdot 10^{-18}$	$-5.878 \cdot 10^{-18}$	0.03175		0.1668	0.1668	$-3.057 \cdot 10^{-6}$

2.5   cleQt1Re

	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	$-3.06 \cdot 10^{-6}$
$t\bar{t} \to \tau^+ \tau^-$	0.1592	0.1592	$-1.507 \cdot 10^{-6}$		0.1668	0.1668	$-3.057 \cdot 10^{-6}$

2.6   cleQt3Im

	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
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.172	0.172	$-3.082 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	$1.052 \cdot 10^{-16}$	$1.416 \cdot 10^{-17}$	0.8655	0.5972	0.5972	$-3.048 \cdot 10^{-6}$

2.7 cleQt3Re

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.172	0.172	$-3.082 \cdot 10^{-6}$
$t\bar{t} \to \tau^+\tau^-$	-0.282	-0.282	$-1.525 \cdot 10^{-6}$	0.5972	0.5972	$-3.048 \cdot 10^{-6}$

2.8 clebQIm

	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	$-3.06 \cdot 10^{-6}$

2.9 clebQRe

	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	$-3.06 \cdot 10^{-6}$

2.10 cte

	interference			square		
	mod1	mod2	1 − mod2/mod1	mod1	mod2	1 − mod2/mod1
$t\bar{t} \to \tau^+\tau^-$	-0.02983	-0.02983	$3.353 \cdot 10^{-8}$	0.1717	0.1717	0

2.11   ctl

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \to \tau^+\tau^-$	-0.005051	-0.005051	0	0.03241	0.03241	0

2.12   sm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$HH \to W^+W^-\gamma$	0	0	0	$1.992 \cdot 10^{-6}$	$1.992 \cdot 10^{-6}$	0
$HH \to W^+e^-\bar{\nu}_e$	0	0	0	$2.32 \cdot 10^{-7}$	$2.32 \cdot 10^{-7}$	0
$HH \to z\nu_e\bar{\nu}_e$	0	0	0	$9.566 \cdot 10^{-7}$	$9.566 \cdot 10^{-7}$	0
$HH \to ze^+e^-$	0	0	0	$4.446 \cdot 10^{-8}$	$4.446 \cdot 10^{-8}$	0
$HW^- \to \bar{t}b$	0	0	0	0.3677	0.3677	0
$HW^- \to \gamma e^-\bar{\nu}_e$	0	0	0	$1.275 \cdot 10^{-7}$	$1.275 \cdot 10^{-7}$	0
$HW^- \to \mu^-\bar{\nu}_\mu$	0	0	0	0.007437	0.007437	$-1.345 \cdot 10^{-8}$
$Hz \to \mu^+\mu^-$	0	0	0	0.001907	0.001907	0
$Hz \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.005683	0.005683	0
$W^+W^- \to W^+W^-$	0	0	0	21.34	21.34	0
$W^+W^- \to \gamma\gamma$	0	0	0	5.232	5.232	$3.823 \cdot 10^{-8}$
$\gamma W^+ \to zW^+$	0	0	0	0.3262	0.3262	0
$\mu^+\mu^- \to \tau^+\tau^-$	0	0	0	0.009736	0.009736	$2.054 \cdot 10^{-8}$
$\nu_\tau\bar{\nu}_\tau \to \nu_\tau\bar{\nu}_\tau$	0	0	0	0.0005449	0.0005449	0
$\nu_e\bar{\nu}_e \to \nu_\mu\bar{\nu}_\mu$	0	0	0	$1.626 \cdot 10^{-5}$	$1.626 \cdot 10^{-5}$	0
$b\bar{b} \to \nu_\mu\bar{\nu}_\mu$	0	0	0	0.0005012	0.0005012	0
$b\bar{t} \to e^-\bar{\nu}_e$	0	0	0	0.001824	0.001824	0
$c\bar{c} \to \mu^+\mu^-$	0	0	0	0.005361	0.005361	$1.865 \cdot 10^{-8}$
$c\bar{s} \to \tau^+\nu_\tau$	0	0	0	0.004672	0.004672	$-2.14 \cdot 10^{-8}$

$d\bar{d} \to e^+ e^-$	0	0	0	0.003027	0.003027	0
$e^+ \nu_\mu \to e^+ \nu_\mu$	0	0	0	0.005241	0.005241	$3.816 \cdot 10^{-8}$
$e^+ \nu_e \to \mu^+ \nu_\mu$	0	0	0	0.0003472	0.0003472	0
$e^+ \nu_e \to e^+ \nu_e$	0	0	0	0.01616	0.01616	0
$e^+ \tau^- \to e^+ \tau^-$	0	0	0	1.145	1.145	0
$e^+ e^- \to \mu^+ \mu^-$	0	0	0	0.01037	0.01037	0
$e^+ e^- \to e^+ e^-$	0	0	0	0.01863	0.01863	$5.369 \cdot 10^{-8}$
$s\bar{s} \to \nu_\tau \bar{\nu}_\tau$	0	0	0	0.002504	0.002504	0
$t\bar{t} \to \tau^+ \tau^-$	0	0	0	0.003801	0.003801	0
$t\bar{t} \to t\bar{t}$	0	0	0	0.3372	0.3372	0
$u\bar{d} \to \mu^+ \nu_\mu$	0	0	0	0.01077	0.01077	0
$u\bar{u} \to \nu_e \bar{\nu}_e$	0	0	0	0.0009629	0.0009629	$-1.039 \cdot 10^{-8}$
$zz \to W^+ W^-$	0	0	0	103.1	103.1	0