

1 By process

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

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$7.257 \cdot 10^{-7}$	$7.257 \cdot 10^{-7}$	0

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

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

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

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$2.188 \cdot 10^{-7}$	$2.188 \cdot 10^{-7}$	0

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

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.218 \cdot 10^{-7}$	$1.218 \cdot 10^{-7}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	2.412	2.412	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.816 \cdot 10^{-9}$	$3.816 \cdot 10^{-9}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.00505	0.00505	$-1.98 \cdot 10^{-8}$

1.8 $H z \rightarrow \mu^+ \mu^-$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.000894	0.000894	0

1.9 $H z \rightarrow \nu_\tau \bar{\nu}_\tau$

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.001915	0.001915	0

1.10 $W^+W^- \rightarrow W^+W^-$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	145.7	145.7	0

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

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.3517	0.3517	$2.843 \cdot 10^{-8}$

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

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.2508	0.2508	0

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

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.006708	0.006708	$4.473 \cdot 10^{-8}$

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

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

sm	0	0	0	0.0545	0.0545	0
----	---	---	---	--------	--------	---

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	0.01012	0.01012	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQ11	-0.06229	-0.06229	0	0.2667	0.2667	0
cQ13	0.06229	0.06229	0	0.2667	0.2667	0
sm	0	0	0	0.003638	0.003638	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQ13	0.2368	0.2368	0	1.12	1.12	0
cleQt1Im	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$
cleQt1Re	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$
cleQt3Im	0	0	0	0.9311	0.9311	$-3.05 \cdot 10^{-6}$
cleQt3Re	0	0	0	0.9311	0.9311	$-3.05 \cdot 10^{-6}$
clebQIm	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$
clebQRe	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$
sm	0	0	0	0.01253	0.01253	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.002422	0.002422	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.826 \cdot 10^{-8}$	$3.826 \cdot 10^{-8}$	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0006867	0.0006867	0

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01144	0.01144	0

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

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

sm	0	0	0	0.001202	0.001202	0
----	---	---	---	----------	----------	---

1.23 $e^+\nu_e \rightarrow e^+\nu_e$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01071	0.01071	0

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

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01388	0.01388	$7.207 \cdot 10^{-8}$

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

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.006856	0.006856	$4.376 \cdot 10^{-8}$

1.26 $e^+e^- \rightarrow e^+e^-$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.01653	0.01653	$6.051 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	0.003049	0.003049	0

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQe	-0.01534	-0.01534	0	0.325	0.325	0
cQl1	-0.0009764	-0.0009764	$2.048 \cdot 10^{-8}$	0.0005906	0.0005906	0
cQl3	0.0009764	0.0009764	$2.048 \cdot 10^{-8}$	0.0005906	0.0005906	0
cleQt1Im	$1.205 \cdot 10^{-20}$	$1.506 \cdot 10^{-18}$	-124	0.1668	0.1668	$-3.057 \cdot 10^{-6}$
cleQt1Re	0.1593	0.1593	$-1.507 \cdot 10^{-6}$	0.1668	0.1668	$-3.057 \cdot 10^{-6}$
cleQt3Im	$2.842 \cdot 10^{-18}$	$1.05 \cdot 10^{-17}$	-2.696	2.541	2.541	$-3.069 \cdot 10^{-6}$
cleQt3Re	0.6578	0.6578	$-1.52 \cdot 10^{-6}$	2.541	2.541	$-3.069 \cdot 10^{-6}$
cte	-0.0005154	-0.0005154	$1.94 \cdot 10^{-8}$	0.0005906	0.0005906	0
ctl	-0.02995	-0.02995	0	0.325	0.325	0
sm	0	0	0	0.000894	0.000894	$3.356 \cdot 10^{-8}$

1.29 $t\bar{t} \rightarrow t\bar{t}$

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	0.4399	0.4399	0

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

interference	square
--------------	--------

	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	0.001608	0.001608	0

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

	mod1	mod2	interference 1 - mod2/mod1	mod1	mod2	square 1 - mod2/mod1
sm	0	0	0	0.001867	0.001867	0

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

	mod1	mod2	interference 1 - mod2/mod1	mod1	mod2	square 1 - mod2/mod1
sm	0	0	0	32.95	32.95	$-3.035 \cdot 10^{-8}$

2 By parameter point

2.1 cQe

	mod1	mod2	interference 1 - mod2/mod1	mod1	mod2	square 1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.01534	-0.01534	0	0.325	0.325	0

2.2 cQl1

	mod1	mod2	interference 1 - mod2/mod1	mod1	mod2	square 1 - mod2/mod1
$b\bar{b} \rightarrow \nu_\mu \bar{\nu}_\mu$	-0.06229	-0.06229	0	0.2667	0.2667	0

$t\bar{t} \rightarrow \tau^+\tau^-$	-0.0009764	-0.0009764	$2.048 \cdot 10^{-8}$	0.0005906	0.0005906	0
-------------------------------------	------------	------------	-----------------------	-----------	-----------	---

2.3 cQl3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \nu_\mu \bar{\nu}_\mu$	0.06229	0.06229	0	0.2667	0.2667	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0.2368	0.2368	0	1.12	1.12	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.0009764	0.0009764	$2.048 \cdot 10^{-8}$	0.0005906	0.0005906	0

2.4 cleQt1Im

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+\tau^-$	$1.205 \cdot 10^{-20}$	$1.506 \cdot 10^{-18}$	-124	0.1668	0.1668	$-3.057 \cdot 10^{-6}$

2.5 cleQt1Re

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+\tau^-$	0.1593	0.1593	$-1.507 \cdot 10^{-6}$	0.1668	0.1668	$-3.057 \cdot 10^{-6}$

2.6 cleQt3Im

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

$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0	0	0	0.9311	0.9311	$-3.05 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	$2.842 \cdot 10^{-18}$	$1.05 \cdot 10^{-17}$	-2.696	2.541	2.541	$-3.069 \cdot 10^{-6}$

2.7 cleQt3Re

	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	0.9311	0.9311	$-3.05 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	0.6578	0.6578	$-1.52 \cdot 10^{-6}$	2.541	2.541	$-3.069 \cdot 10^{-6}$

2.8 clebQIm

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$

2.9 clebQRe

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0	0	0	0.08333	0.08333	$-3.048 \cdot 10^{-6}$

2.10 cte

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.0005154	-0.0005154	$1.94 \cdot 10^{-8}$	0.0005906	0.0005906	0

2.11 ctl

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.02995	-0.02995	0	0.325	0.325	0

2.12 sm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+W^-\gamma$	0	0	0	$7.257 \cdot 10^{-7}$	$7.257 \cdot 10^{-7}$	0
$HH \rightarrow W^+e^-\bar{\nu}_e$	0	0	0	$1.069 \cdot 10^{-7}$	$1.069 \cdot 10^{-7}$	0
$HH \rightarrow z\nu_e\bar{\nu}_e$	0	0	0	$2.188 \cdot 10^{-7}$	$2.188 \cdot 10^{-7}$	0
$HH \rightarrow ze^+e^-$	0	0	0	$1.218 \cdot 10^{-7}$	$1.218 \cdot 10^{-7}$	0
$HW^- \rightarrow t\bar{b}$	0	0	0	2.412	2.412	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	0	0	0	$3.816 \cdot 10^{-9}$	$3.816 \cdot 10^{-9}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0	0	0	0.00505	0.00505	$-1.98 \cdot 10^{-8}$
$H z \rightarrow \mu^+\mu^-$	0	0	0	0.000894	0.000894	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.001915	0.001915	0
$W^+W^- \rightarrow W^+W^-$	0	0	0	145.7	145.7	0
$W^+W^- \rightarrow \gamma\gamma$	0	0	0	0.3517	0.3517	$2.843 \cdot 10^{-8}$
$\gamma W^+ \rightarrow zW^+$	0	0	0	0.2508	0.2508	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0	0	0	0.006708	0.006708	$4.473 \cdot 10^{-8}$
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.0545	0.0545	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.01012	0.01012	0
$b\bar{b} \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.003638	0.003638	0
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0	0	0	0.01253	0.01253	0
$c\bar{c} \rightarrow \mu^+\mu^-$	0	0	0	0.002422	0.002422	0
$c\bar{s} \rightarrow \tau^+\nu_\tau$	0	0	0	$3.826 \cdot 10^{-8}$	$3.826 \cdot 10^{-8}$	0

$d\bar{d} \rightarrow e^+e^-$	0	0	0	0.0006867	0.0006867	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0	0	0	0.01144	0.01144	0
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	0	0	0	0.001202	0.001202	0
$e^+\nu_e \rightarrow e^+\nu_e$	0	0	0	0.01071	0.01071	0
$e^+\tau^- \rightarrow e^+\tau^-$	0	0	0	0.01388	0.01388	$7.207 \cdot 10^{-8}$
$e^+e^- \rightarrow \mu^+\mu^-$	0	0	0	0.006856	0.006856	$4.376 \cdot 10^{-8}$
$e^+e^- \rightarrow e^+e^-$	0	0	0	0.01653	0.01653	$6.051 \cdot 10^{-8}$
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.003049	0.003049	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0	0	0	0.000894	0.000894	$3.356 \cdot 10^{-8}$
$t\bar{t} \rightarrow t\bar{t}$	0	0	0	0.4399	0.4399	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	0	0	0	0.001608	0.001608	0
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	0	0	0	0.001867	0.001867	0
$zz \rightarrow W^+W^-$	0	0	0	32.95	32.95	$-3.035 \cdot 10^{-8}$