

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	$7.749 \cdot 10^{-6}$	$7.749 \cdot 10^{-6}$	$-5.162 \cdot 10^{-8}$

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	$2.693 \cdot 10^{-7}$	$2.693 \cdot 10^{-7}$	$-3.713 \cdot 10^{-8}$

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	$1.217 \cdot 10^{-7}$	$1.217 \cdot 10^{-7}$	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	$9.456 \cdot 10^{-8}$	$9.456 \cdot 10^{-8}$	$-1.058 \cdot 10^{-8}$

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	1.078	1.078	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	$5.193 \cdot 10^{-9}$	$5.193 \cdot 10^{-9}$	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	0.003643	0.003643	$-2.745 \cdot 10^{-8}$

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	0.0005291	0.0005291	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	0.004086	0.004086	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	13.37	13.37	$-7.479 \cdot 10^{-8}$

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	38.04	38.04	$7.886 \cdot 10^{-8}$

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	0.1586	0.1586	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	0.01615	0.01615	$6.193 \cdot 10^{-8}$

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	0.006374	0.006374	0
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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	0.0002205	0.0002205	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	$-9.452 \cdot 10^{-7}$	$-9.452 \cdot 10^{-7}$	$-3.174 \cdot 10^{-8}$	$5.406 \cdot 10^{-6}$	$5.406 \cdot 10^{-6}$	0
cQ13	$9.452 \cdot 10^{-7}$	$9.452 \cdot 10^{-7}$	$-3.174 \cdot 10^{-8}$	$5.406 \cdot 10^{-6}$	$5.406 \cdot 10^{-6}$	0
sm	0	0	0	0.0001536	0.0001536	$1.302 \cdot 10^{-7}$

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

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
cQ13	0.0472	0.0472	$-2.119 \cdot 10^{-8}$	0.2231	0.2231	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	0.09096	0.09096	$-3.056 \cdot 10^{-6}$
cleQt3Re	0	0	0	0.09096	0.09096	$-3.056 \cdot 10^{-6}$
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	0.002496	0.002496	$-4.006 \cdot 10^{-8}$

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	0.006224	0.006224	$3.214 \cdot 10^{-8}$

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	0.01364	0.01364	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	0.001182	0.001182	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	1.42	1.42	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	0.02182	0.02182	$-4.583 \cdot 10^{-8}$
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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	0.03333	0.03333	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	0.04975	0.04975	$8.04 \cdot 10^{-8}$

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	0.01636	0.01636	$6.113 \cdot 10^{-8}$

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	0.3374	0.3374	$5.927 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.002794	0.002794	$-3.579 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
cQe	-0.002551	-0.002551	$7.84 \cdot 10^{-8}$	0.0205	0.0205	0
cQl1	-0.04816	-0.04816	$-2.076 \cdot 10^{-8}$	0.2036	0.2036	0
cQl3	0.04816	0.04816	$-2.076 \cdot 10^{-8}$	0.2036	0.2036	0
cleQt1Im	$2.216 \cdot 10^{-18}$	$-1.542 \cdot 10^{-18}$	1.696	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	$-3.012 \cdot 10^{-18}$	$-3.103 \cdot 10^{-17}$	-9.305	0.917	0.917	$-3.064 \cdot 10^{-6}$
cleQt3Re	-0.3707	-0.3707	$-1.51 \cdot 10^{-6}$	0.917	0.917	$-3.054 \cdot 10^{-6}$
cte	-0.03529	-0.03529	$5.667 \cdot 10^{-8}$	0.2036	0.2036	0
ctl	-0.004037	-0.004037	0	0.0205	0.0205	0
sm	0	0	0	0.004439	0.004439	$2.253 \cdot 10^{-8}$

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

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	5.516	5.516	0

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

interference	square
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	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	$2.599 \cdot 10^{-5}$	$2.599 \cdot 10^{-5}$	$-3.848 \cdot 10^{-8}$

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	0.001555	0.001555	$-6.43 \cdot 10^{-8}$

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

			interference			square
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
sm	0	0	0	33.18	33.18	$-6.028 \cdot 10^{-8}$

2 By parameter point

2.1 cQe

			interference			square
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.002551	-0.002551	$7.84 \cdot 10^{-8}$	0.0205	0.0205	0

2.2 cQl1

			interference			square
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$b\bar{b} \rightarrow \nu_\mu \bar{\nu}_\mu$	$-9.452 \cdot 10^{-7}$	$-9.452 \cdot 10^{-7}$	$-3.174 \cdot 10^{-8}$	$5.406 \cdot 10^{-6}$	$5.406 \cdot 10^{-6}$	0

$t\bar{t} \rightarrow \tau^+\tau^-$	-0.04816	-0.04816	$-2.076 \cdot 10^{-8}$	0.2036	0.2036	0
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2.3 cQl3

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$b\bar{b} \rightarrow \nu_\mu \bar{\nu}_\mu$	$9.452 \cdot 10^{-7}$	$9.452 \cdot 10^{-7}$	$-3.174 \cdot 10^{-8}$	$5.406 \cdot 10^{-6}$	$5.406 \cdot 10^{-6}$	0
$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0.0472	0.0472	$-2.119 \cdot 10^{-8}$	0.2231	0.2231	0
$t\bar{t} \rightarrow \tau^+\tau^-$	0.04816	0.04816	$-2.076 \cdot 10^{-8}$	0.2036	0.2036	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	$-3.06 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+\tau^-$	$2.216 \cdot 10^{-18}$	$-1.542 \cdot 10^{-18}$	1.696	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	$-3.06 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+\tau^-$	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	$1 - \text{mod2}/\text{mod1}$

$b\bar{t} \rightarrow e^- \bar{\nu}_e$	0	0	0	0.09096	0.09096	$-3.056 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	$-3.012 \cdot 10^{-18}$	$-3.103 \cdot 10^{-17}$	-9.305	0.917	0.917	$-3.064 \cdot 10^{-6}$

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	0.09096	0.09096	$-3.056 \cdot 10^{-6}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.3707	-0.3707	$-1.51 \cdot 10^{-6}$	0.917	0.917	$-3.054 \cdot 10^{-6}$

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

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

2.10 cte

	interference			square		
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
$t\bar{t} \rightarrow \tau^+ \tau^-$	-0.03529	-0.03529	$5.667 \cdot 10^{-8}$	0.2036	0.2036	0

2.11 ctl

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$t\bar{t} \rightarrow \tau^+\tau^-$	-0.004037	-0.004037	0	0.0205	0.0205	0

2.12 sm

	interference			square		
	mod1	mod2	1 - mod2/mod1	mod1	mod2	1 - mod2/mod1
$HH \rightarrow W^+W^-\gamma$	0	0	0	$7.749 \cdot 10^{-6}$	$7.749 \cdot 10^{-6}$	$-5.162 \cdot 10^{-8}$
$HH \rightarrow W^+e^-\bar{\nu}_e$	0	0	0	$2.693 \cdot 10^{-7}$	$2.693 \cdot 10^{-7}$	$-3.713 \cdot 10^{-8}$
$HH \rightarrow z\nu_e\bar{\nu}_e$	0	0	0	$1.217 \cdot 10^{-7}$	$1.217 \cdot 10^{-7}$	0
$HH \rightarrow ze^+e^-$	0	0	0	$9.456 \cdot 10^{-8}$	$9.456 \cdot 10^{-8}$	$-1.058 \cdot 10^{-8}$
$HW^- \rightarrow t\bar{b}$	0	0	0	1.078	1.078	0
$HW^- \rightarrow \gamma e^-\bar{\nu}_e$	0	0	0	$5.193 \cdot 10^{-9}$	$5.193 \cdot 10^{-9}$	0
$HW^- \rightarrow \mu^-\bar{\nu}_\mu$	0	0	0	0.003643	0.003643	$-2.745 \cdot 10^{-8}$
$H z \rightarrow \mu^+\mu^-$	0	0	0	0.0005291	0.0005291	0
$H z \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.004086	0.004086	0
$W^+W^- \rightarrow W^+W^-$	0	0	0	13.37	13.37	$-7.479 \cdot 10^{-8}$
$W^+W^- \rightarrow \gamma\gamma$	0	0	0	38.04	38.04	$7.886 \cdot 10^{-8}$
$\gamma W^+ \rightarrow zW^+$	0	0	0	0.1586	0.1586	0
$\mu^+\mu^- \rightarrow \tau^+\tau^-$	0	0	0	0.01615	0.01615	$6.193 \cdot 10^{-8}$
$\nu_\tau\bar{\nu}_\tau \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.006374	0.006374	0
$\nu_e\bar{\nu}_e \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.0002205	0.0002205	0
$b\bar{b} \rightarrow \nu_\mu\bar{\nu}_\mu$	0	0	0	0.0001536	0.0001536	$1.302 \cdot 10^{-7}$
$b\bar{t} \rightarrow e^-\bar{\nu}_e$	0	0	0	0.002496	0.002496	$-4.006 \cdot 10^{-8}$
$c\bar{c} \rightarrow \mu^+\mu^-$	0	0	0	0.006224	0.006224	$3.214 \cdot 10^{-8}$
$c\bar{s} \rightarrow \tau^+\nu_\tau$	0	0	0	0.01364	0.01364	0

$d\bar{d} \rightarrow e^+e^-$	0	0	0	0.001182	0.001182	0
$e^+\nu_\mu \rightarrow e^+\nu_\mu$	0	0	0	1.42	1.42	0
$e^+\nu_e \rightarrow \mu^+\nu_\mu$	0	0	0	0.02182	0.02182	$-4.583 \cdot 10^{-8}$
$e^+\nu_e \rightarrow e^+\nu_e$	0	0	0	0.03333	0.03333	0
$e^+\tau^- \rightarrow e^+\tau^-$	0	0	0	0.04975	0.04975	$8.04 \cdot 10^{-8}$
$e^+e^- \rightarrow \mu^+\mu^-$	0	0	0	0.01636	0.01636	$6.113 \cdot 10^{-8}$
$e^+e^- \rightarrow e^+e^-$	0	0	0	0.3374	0.3374	$5.927 \cdot 10^{-8}$
$s\bar{s} \rightarrow \nu_\tau\bar{\nu}_\tau$	0	0	0	0.002794	0.002794	$-3.579 \cdot 10^{-8}$
$t\bar{t} \rightarrow \tau^+\tau^-$	0	0	0	0.004439	0.004439	$2.253 \cdot 10^{-8}$
$t\bar{t} \rightarrow t\bar{t}$	0	0	0	5.516	5.516	0
$u\bar{d} \rightarrow \mu^+\nu_\mu$	0	0	0	$2.599 \cdot 10^{-5}$	$2.599 \cdot 10^{-5}$	$-3.848 \cdot 10^{-8}$
$u\bar{u} \rightarrow \nu_e\bar{\nu}_e$	0	0	0	0.001555	0.001555	$-6.43 \cdot 10^{-8}$
$zz \rightarrow W^+W^-$	0	0	0	33.18	33.18	$-6.028 \cdot 10^{-8}$