

1 By process

1.1 $HH \rightarrow HHH$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$8.745 \cdot 10^{-8}$	$8.745 \cdot 10^{-8}$	0

1.2 $HH \rightarrow z\bar{b}b$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$9.042 \cdot 10^{-7}$	$9.042 \cdot 10^{-7}$	0

1.3 $HH \rightarrow zc\bar{c}$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.073 \cdot 10^{-7}$	$3.073 \cdot 10^{-7}$	0

1.4 $HH \rightarrow zd\bar{d}$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.214 \cdot 10^{-7}$	$3.214 \cdot 10^{-7}$	0

1.5 $HH \rightarrow ze^+e^-$

			interference			
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		square	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$2.508 \cdot 10^{-8}$	$2.508 \cdot 10^{-8}$	0

1.6 $H\gamma \rightarrow b\bar{b}$

			interference			
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		square	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0002806	0.0002806	0

1.7 $H\gamma \rightarrow c\bar{c}$

			interference			
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		square	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0002094	0.0002094	0

1.8 $H\gamma \rightarrow d\bar{d}$

			interference			
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		square	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.0002801	0.0002801	0

1.9 $H\gamma \rightarrow e^+e^-$

			interference			
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		square	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$6.45 \cdot 10^{-5}$	$6.45 \cdot 10^{-5}$	0

1.10 $W^+W^- \rightarrow Hb\bar{b}$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$2.736 \cdot 10^{-6}$	$2.736 \cdot 10^{-6}$	0

1.11 $W^+W^- \rightarrow Hdd\bar{d}$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$3.404 \cdot 10^{-5}$	$3.404 \cdot 10^{-5}$	0

1.12 $W^+W^- \rightarrow Ht\bar{t}$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	$1.353 \cdot 10^{-5}$	$1.353 \cdot 10^{-5}$	0

1.13 $W^+W^- \rightarrow \gamma\gamma$

			interference		square	
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.09534	0.09534	0

1.14 $W^+W^- \rightarrow \gamma\gamma\gamma$

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

sm	0	0	0	$3.751 \cdot 10^{-7}$	$3.751 \cdot 10^{-7}$	0
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1.15 $\gamma W^+ \rightarrow z W^+$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.2882	0.2882	0

1.16 $b\bar{b} \rightarrow \gamma\gamma$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.08408	0.08408	0

1.17 $gg \rightarrow gg$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	93.32	93.32	0

1.18 $gg \rightarrow ggg$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$	mod1	mod2	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0	0.9636	0.9636	0

1.19 $gg \rightarrow t\bar{t}$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		4.219	0

1.20 $gg \rightarrow u\bar{u}$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		1.625	0

1.21 $t\bar{t} \rightarrow z\gamma$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		0.07892	0

1.22 $zz \rightarrow W^+W^-$

			interference			square
	mod1	mod2	$1 - \text{mod2}/\text{mod1}$		mod1	$1 - \text{mod2}/\text{mod1}$
sm	0	0	0		33.39	0

2 By parameter point

2.1 sm

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

$HH \rightarrow HHH$	0	0	0	$8.745 \cdot 10^{-8}$	$8.745 \cdot 10^{-8}$	0
$HH \rightarrow z\bar{b}b$	0	0	0	$9.042 \cdot 10^{-7}$	$9.042 \cdot 10^{-7}$	0
$HH \rightarrow z c \bar{c}$	0	0	0	$3.073 \cdot 10^{-7}$	$3.073 \cdot 10^{-7}$	0
$HH \rightarrow z d \bar{d}$	0	0	0	$3.214 \cdot 10^{-7}$	$3.214 \cdot 10^{-7}$	0
$HH \rightarrow z e^+ e^-$	0	0	0	$2.508 \cdot 10^{-8}$	$2.508 \cdot 10^{-8}$	0
$H\gamma \rightarrow b\bar{b}$	0	0	0	0.0002806	0.0002806	0
$H\gamma \rightarrow c\bar{c}$	0	0	0	0.0002094	0.0002094	0
$H\gamma \rightarrow d\bar{d}$	0	0	0	0.0002801	0.0002801	0
$H\gamma \rightarrow e^+ e^-$	0	0	0	$6.45 \cdot 10^{-5}$	$6.45 \cdot 10^{-5}$	0
$W^+W^- \rightarrow Hb\bar{b}$	0	0	0	$2.736 \cdot 10^{-6}$	$2.736 \cdot 10^{-6}$	0
$W^+W^- \rightarrow H d \bar{d}$	0	0	0	$3.404 \cdot 10^{-5}$	$3.404 \cdot 10^{-5}$	0
$W^+W^- \rightarrow H t \bar{t}$	0	0	0	$1.353 \cdot 10^{-5}$	$1.353 \cdot 10^{-5}$	0
$W^+W^- \rightarrow \gamma\gamma$	0	0	0	0.09534	0.09534	0
$W^+W^- \rightarrow \gamma\gamma\gamma$	0	0	0	$3.751 \cdot 10^{-7}$	$3.751 \cdot 10^{-7}$	0
$\gamma W^+ \rightarrow z W^+$	0	0	0	0.2882	0.2882	0
$b\bar{b} \rightarrow \gamma\gamma$	0	0	0	0.08408	0.08408	0
$gg \rightarrow gg$	0	0	0	93.32	93.32	0
$gg \rightarrow ggg$	0	0	0	0.9636	0.9636	0
$gg \rightarrow t\bar{t}$	0	0	0	4.219	4.219	0
$gg \rightarrow u\bar{u}$	0	0	0	1.625	1.625	0
$t\bar{t} \rightarrow z\gamma$	0	0	0	0.07892	0.07892	0
$zz \rightarrow W^+W^-$	0	0	0	33.39	33.39	0