

FCCAnalyses: FCC-ee Simulation (Delphes)

$$\sqrt{s} = 240.0 \text{ GeV}$$

$$L = 10.8 \text{ ab}^{-1}$$

$$e^+e^- \rightarrow ZH \rightarrow \mu^+\mu^- + \text{Invisible}$$

sel4

Signal scale=1.0

	$Z(\nu\bar{\nu})H(ZZ \rightarrow \mu^+\mu^-\nu\bar{\nu})$
	$Z(\nu\bar{\nu})H(WW \rightarrow \mu^+\nu\mu^-\bar{\nu})$
	W^+W^-
	ZZ
	$Z/\gamma \rightarrow \mu^+\mu^-$
	$Z/\gamma \rightarrow \tau^+\tau^-$
	Rare
	$Z(\mu^+\mu^-)H(4\nu)$

Process	Yields	Raw MC
$Z(\mu^+\mu^-)H(4\nu)$	114	1474706
$Z(\nu\bar{\nu})H(ZZ \rightarrow \mu^+\mu^-\nu\bar{\nu})$	39	451888
$Z(\nu\bar{\nu})H(WW \rightarrow \mu^+\nu\mu^-\bar{\nu})$	1	1064
W^+W^-	147787	310812
ZZ	37249	142534
$Z/\gamma \rightarrow \mu^+\mu^-$	899028	840620
$Z/\gamma \rightarrow \tau^+\tau^-$	40633	42234
Rare	387744	1046806