

FCCAnalyses: FCC-ee Simulation (Delphes)

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

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

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

sel1

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
$Z(\mu^-\mu^+)H(4\nu)$	146	1895746
$Z(\nu\bar{\nu})H(ZZ \rightarrow \mu^+\mu^-\nu\bar{\nu})$	168	1910466
$Z(\nu\bar{\nu})H(WW \rightarrow \mu^+\nu\mu^-\bar{\nu})$	2318	1911708
W^+W^-	7765676	16331988
ZZ	2707591	10360634
$Z/\gamma \rightarrow \mu^+\mu^-$	88943582	83165016
$Z/\gamma \rightarrow \tau^+\tau^-$	2398738	2493214
Rare	12518300	38158092