

FCCAnalyses: FCC-ee Simulation (Delphes)

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

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

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

sel_BNL1

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

Signal scale=1.0

Process	Yields	Raw MC
$Z(\mu^-\mu^+)H(4\nu)$	107	1394226
$Z(\nu\bar{\nu})H(ZZ \rightarrow \mu^+\mu^-\nu\bar{\nu})$	47	536604
$Z(\nu\bar{\nu})H(WW \rightarrow \mu^+\nu\mu^-\bar{\nu})$	1	1038
W^+W^-	239316	503306
ZZ	241910	925672
$Z/\gamma \rightarrow \mu^+\mu^-$	87819	87516
Rare	19663	109184