

FCCAnalyses: FCC-ee Simulation (Delphes)

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

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

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

sel2

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^-	7648829	16086246
ZZ	2271791	8693042
$Z/\gamma \rightarrow \mu^+\mu^-$	88943582	83165016
$Z/\gamma \rightarrow \tau^+\tau^-$	2398611	2493082
Rare	11453801	32644026