

FCCAnalyses: FCC-ee Simulation (Delphes)

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

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

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

$\text{sel_BNL1} + \text{Missing } pT > 20$

$\text{Signal scale}=1.0$

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

Process	Yields	Raw MC
$Z(\mu^+\mu^-)H(4\nu)$	100	1295630
$Z(\nu\bar{\nu})H(ZZ \rightarrow \mu^+\mu^-\nu\bar{\nu})$	39	448894
$Z(\nu\bar{\nu})H(WW \rightarrow \mu^+\nu\mu^-\bar{\nu})$	1	870
W^+W^-	211950	445752
ZZ	213294	816176
$Z/\gamma \rightarrow \mu^+\mu^-$	0	0
$Z/\gamma \rightarrow \tau^+\tau^-$	35538	36938
Rare	16994	94494