

# FCCAnalyses: FCC-ee Simulation (Delphes)

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

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

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

sel5

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

Signal scale=1.0

| Process                                                   | Yields | Raw MC  |
|-----------------------------------------------------------|--------|---------|
| $Z(\mu^-\mu^+)H(4\nu)$                                    | 108    | 1406234 |
| $Z(\nu\bar{\nu})H(ZZ \rightarrow \mu^-\mu^+\nu\bar{\nu})$ | 37     | 429262  |
| $Z(\nu\bar{\nu})H(WW \rightarrow \mu^-\bar{\nu}\mu^+\nu)$ | 1      | 996     |