

# ***FCCAnalyses: FCC-ee Simulation (Delphes)***

events

$$\sqrt{s} = 91.0 \text{ GeV}$$

$$L = 150 \text{ ab}^{-1}$$

$$e^+e^- \rightarrow N \nu, N \rightarrow ee\nu$$

*2 electrons with  $|d_0| > 0.5 \text{ mm}$ ; No muons, jets, or photons; Missing momentum  $> 10$*

— HNL\_Majorana\_70GeV\_1e-3Ve

— HNL\_Dirac\_70GeV\_1e-3Ve

0 0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5

Reco muon tracks  $d_0 \sigma^2$