

# ***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\_20GeV\_1e-3Ve

— HNL\_Dirac\_20GeV\_1e-3Ve

10  
1  
 $10^{-1}$   
 $10^{-2}$   
0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

Reco muon tracks  $|z_0 \text{ significance}|$