

FCC-ee Simulation (Delphes)

Events / 1.0 GeV

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

$$L = 5 \text{ ab}^{-1}$$

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

No selection

— $m_N = 40 \text{ GeV}, V_e = 1e-3$, mean = 3.9e+01, s.d. = 3.3e+00

— $m_N = 40 \text{ GeV}, V_e = 1e-4$, mean = 3.9e+01, s.d. = 3.3e+00

— $m_N = 40 \text{ GeV}, V_e = 1e-5$, mean = 3.9e+01, s.d. = 3.3e+00

1

10^{-1}

10^{-2}

10^{-3}

0 10 20 30 40 50 60 70 80 90 100

Gen $m_{ee\nu}$ (from HNL) [GeV]

