

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

— $m_N = 40 \text{ GeV}, V_e = 1\text{e-}3$

, mean = 3.9e+01, s.d. = 3.3e+00

— $m_N = 40 \text{ GeV}, V_e = 1\text{e-}4$

, mean = 3.9e+01, s.d. = 3.3e+00

— $m_N = 40 \text{ GeV}, V_e = 1\text{e-}5$

, mean = 3.9e+01, s.d. = 3.3e+00

0.8

0.6

0.4

0.2

0

0 10 20 30 40 50 60 70 80 90 100

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

