

FCC-ee Simulation (Delphes)

Events per bin (0.1 width)

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

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

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

No selection

— $m_N = 40 \text{ GeV}, V_e = 1e-3$, mean = 1.3e-03, s.d. = 1.7e-01

— $m_N = 40 \text{ GeV}, V_e = 1e-4$, mean = 7.1e-04, s.d. = 1.6e-01

— $m_N = 40 \text{ GeV}, V_e = 1e-5$, mean = 6.5e-04, s.d. = 1.7e-01

0.8

0.6

0.4

0.2

0

-5 -4 -3 -2 -1 0 1 2 3 4 5

Gen $e^+ \phi$ - Reco $e^+ \phi$