

FCC-ee Simulation (Delphes)

Events / 20.0 mm

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

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

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

No selection

— $m_N = 40 \text{ GeV}, V_e = 1\text{e-}3$, mean = 4.0e-06, s.d. = 2.2e-03

— $m_N = 40 \text{ GeV}, V_e = 1\text{e-}4$, mean = 2.1e-04, s.d. = 2.2e-01

— $m_N = 40 \text{ GeV}, V_e = 1\text{e-}5$, mean = 3.2e-02, s.d. = 2.2e+01

0.6

0.4

0.2

0

-1000 -800 -600 -400 -200 0 200 400 600 800 1000

Final state gen e^- production vertex x [mm]

