FCC-ee Simulation (Delphes)

Events / 20.0 mm

10^3

10^2

10

1

10^{-1}

10^{-2}

10^{-3}

$\sqrt{s} = 91.0\ GeV$

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

No selection

— m_N = 30 GeV, $|V_{eN}|$ = 1.41e-6

— m_N = 50 GeV, $|V_{eN}|$ = 1.41e-6

— m_N = 70 GeV, $|V_{eN}|$ = 1.41e-6

— m_N = 90 GeV, $|V_{eN}|$ = 1.41e-6

−1000 −800 −600 −400 −200 0 200 400 600 800 1000

Reco N decay vertex z [mm]