

FCCAnalyses: FCC-ee Simulation (Delphes)

events

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

$$L = 150 \text{ ab}^{-1}$$

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

2 electrons with $|d_0| > 0.5 \text{ mm}$; No muons, jets, or photons; Missing momentum > 10

— HNL_Majorana_50GeV_1e-3Ve

— HNL_Dirac_50GeV_1e-3Ve

10⁻² 10⁻¹ 1 10

-0.01 -0.008 -0.006 -0.004 -0.002 0 0.002 0.004 0.006 0.008 0.01

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