

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_70GeV_1e-3Ve

— HNL_Dirac_70GeV_1e-3Ve

10⁻²

10⁻¹

1

10

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

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