

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

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
0 100 200 300 400 500 600 $\times 10^3$

Reco electron tracks $|d_0 \text{ significance}|$