

FCCAnalyses: FCC-ee Simulation (Delphes)

events

10^9

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

10^8

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

10^7

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

10^6

2 electrons; No muons, jets, or photons; Missing momentum > 10 GeV

10^5

— HNL_Majorana_70GeV_1e-3 ν_e

10^4

— HNL_Dirac_70GeV_1e-3 ν_e

10^3

10^2

10^1

10^0

10^{-1}

10^{-2}

10^{-3}

10^{-4}

10^{-5}

10^{-6}

10^{-7}

10^{-8}

10^{-9}

-0.5

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

Total number of reco electrons