

# ***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\_20GeV\_1e-3Ve

— HNL\_Dirac\_20GeV\_1e-3Ve

$10^5$

$10^4$

$10^3$

$10^2$

10

0 100 200 300 400 500 600 700 800 900 1000

Gen  $L_{xy}$  [mm]