## CMS Simulation (LHE) 14TeV TeV 1.6 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 0.1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 50 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ 1.4 $m_{\gamma_D}$ = 20 GeV, $c\tau_{\gamma_D}$ = 100 mm 1.2 8.0 0.6 0.4 0.2 2 4 8 10 6 12 14 16 18 Mass of n₁ [GeV]