## CMS Simulation (LHE) 8 TeV Fraction of events / 1 GeV 0.09 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ 80.0 $m_{\gamma_{\Sigma}} = 0.250 \text{ GeV}, c\tau_{\gamma_{\Sigma}} = 0.2 \text{ mm}$ 0.07 0.06 0.05 0.04 0.03 0.02 0.01 30 40 50 20 60 80 90