CMS Simulation (LHE) 13 TeV Fraction of events / 1 GeV 0.18 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_a} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ 0.16 $m_{\gamma_{\scriptscriptstyle D}} = 9.0$ GeV, $c\tau_{\gamma_{\scriptscriptstyle D}} = 10.$ mm 0.14 0.12 0.1 80.0 0.06 0.04 0.02 30 40 50 60 80 90