## CMS Simulation (LHE) 13 TeV 0.04 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ of events / 0.04 0.035 0.025 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_2} = 0.25$ GeV, $c\tau_{\gamma_2} = 100$ mm 1st dark photon (leading p<sub>T</sub>) 2nd dark photon Fraction 50.015 0.01 0.005