## CMS Simulation (LHE) 13 TeV 0.04 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 0.035 0.035 0.025 0.015 $m_h = 125 \text{ GeV}, m_{n_a} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 5 \text{ GeV}, c\tau_{\gamma_{D}} = 1 \text{ mm}$ 1st dark photon (leading p<sub>T</sub>) 2nd dark photon 0.01 0.005