CMS Simulation (LHE) 13 TeV Normalized Fraction of events / 100.0 mm $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_D} = 5.0$ GeV, $c\tau_{\gamma_D} = 100$. mm 1st dark photon (leading p_T) 2nd dark photon 100 150 200 250 300 350 400 450 500