CMS Simulation (LHE) 13 TeV events / 2.0 mm 0.22 0.18 0.16 0.14 $|pp| \rightarrow |h \rightarrow 2n_1| \rightarrow |2n_D| + 2\gamma_D \rightarrow 2n_D| + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_{_{\Sigma}}}$ = 58 GeV, $c\tau_{\gamma_{_{\Sigma}}}$ = 5 mm 1st dark photon (leading p_T) 2nd dark photon 5 15 10 20