## CMS Simulation (LHE) 13 TeV events / 2.0 mm 0.22 0.18 0.16 0.14 $|pp| \rightarrow |h| \rightarrow 2n_1 \rightarrow |2n_D| + 2\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_2} = 8.5 \text{ GeV}, c\tau_{\gamma_2} = 5 \text{ mm}$ 1st dark photon (leading p<sub>T</sub>) 2nd dark photon 15 10 20