## CMS Simulation (LHE) 13 TeV events / 5.0 mm 90.00 90.00 90.00 90.00 $|pp| \rightarrow |h \rightarrow 2n_1 \rightarrow |2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_2} = 0.25$ GeV, $c\tau_{\gamma_2} = 5$ mm 1st dark photon (leading p<sub>T</sub>) 2nd dark photon Normalized Fraction of 50.04 co.00 c 10