CMS Simulation (LHE) 13 TeV ot events / 0.04 0.035 0.035 0.025 0.04 $pp \rightarrow h \rightarrow 2n_{1} \rightarrow 2n_{D} + 2~\gamma_{D} \rightarrow 2n_{D} + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_D} = 8.5 \text{ GeV}, c\tau_{\gamma_D} = 50. \text{ mm}$ —1st n_D (leading p_T) 2nd n_D Eaction 2.02 0.02 0.015 0.01 0.005