## CMS Simulation (LHE) 13 TeV o.04 0.035 0.035 0.025 0.04 $pp \rightarrow h \rightarrow 2n_{1} \rightarrow 2n_{D} + 2~\gamma_{D} \rightarrow 2n_{D} + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_D} = 7.0 \text{ GeV}, c\tau_{\gamma_D} = 5. \text{ mm}$ —1st n<sub>D</sub> (leading p<sub>T</sub>) -2nd $n_D$ Fraction 0.0. 0.01 0.005