## CMS Simulation (LHE) 13 TeV 0.04 olumber 10.04 olumber 10.03 olumber 10.03 olumber 10.035 olumber 1 $pp \rightarrow h \rightarrow 2n_{1} \rightarrow 2n_{D} + 2~\gamma_{D} \rightarrow 2n_{D} + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_D} = 5.0 \text{ GeV}, c\tau_{\gamma_D} = 0.5 \text{ mm}$ —1st n<sub>D</sub> (leading p<sub>T</sub>) 2nd n<sub>D</sub> Fraction 5.0.0 0.01 0.005