## CMS Simulation (LHE) 13 TeV Fraction of events / 1 GeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ 0.25 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 8.5 \text{ GeV}, c\tau_{\gamma_{D}} = 3. \text{ mm}$ —1st n<sub>D</sub> (leading p<sub>T</sub>) 0.2 2nd n<sub>D</sub> 0.15 0.1 0.05 20 40 120 60 80 100