## CMS Simulation (LHE) 13 TeV 0.045 0.045 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_D}$ = 2.0 GeV, $c\tau_{\gamma_D}$ = 0.05 mm Fraction of events / 0.035 0.035 0.025 0.015 0.015 —1st n<sub>D</sub> (leading p<sub>T</sub>) 2nd n<sub>D</sub> 0.01 0.005 40 20 80 100 120 60 p of n [GeV]