CMS Simulation (LHE) 13 TeV Fraction of events / 1 GeV  $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ 0.1  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$  $m_{\gamma_D} = 0.85 \text{ GeV}, c\tau_{\gamma_D} = 1. \text{ mm}$ -1st n<sub>D</sub> (leading p<sub>T</sub>) 80.0 2nd n<sub>D</sub> 0.06 0.04 0.02 20 40 60 80 100 120 of n [GeV]