## CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 Ge/ 0.045 0.035 0.025 0.015 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_{R}} = 10 \text{ GeV}, c\tau_{\gamma_{R}} = 0 \text{ mm}$ —1st n<sub>D</sub> (leading p<sub>T</sub>) 2nd n<sub>D</sub> 0.01 0.005 20 40 60 80 100 120 p of n [GeV]