## CMS Simulation (LHE) 13 TeV Fraction of events / 1 Ge∖ $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ 0.07 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_D} = 7.0 \text{ GeV}, c\tau_{\gamma_D} = 0.2 \text{ mm}$ 0.06 —1st n<sub>D</sub> (leading p<sub>T</sub>) 2nd n<sub>D</sub> 0.05 0.04 0.03 0.02 0.01 20 40 80 120 60 100 p of n [GeV]