CMS Simulation (LHE) 8 TeV Fraction of events / 1 Ge\ 0.1 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_D} = 0.250 \text{ GeV}, c\tau_{\gamma_D} = 0.00 \text{ mm}$ —1st n_D (leading p_T) 0.08 2nd n_D 0.06 0.04 0.02 20 60 40 80 100 120