CMS Simulation (LHE) 8 TeV Fraction of events / 1 GeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ 0.1 $m_{\gamma_D} = 0.250 \text{ GeV}, c\tau_{\gamma_D} = 0.00 \text{ mm}$ -1st n_D (leading p_T) -2nd n_D 80.0 0.06 0.04 0.02 20 40 60 80 100