CMS Simulation (LHE) 8 TeV 0.12 Fraction of events / 1 GeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ $m_{\gamma_D} = 0.850 \text{ GeV}, c\tau_{\gamma_D} = 0.5 \text{ mm}$ 0.1 -1st n_D (leading p_T) 2nd n_D 80.0 0.06 0.04 0.02 20 40 60 80 100 120 of n [GeV]