CMS Simulation (LHE) 13 TeV 0.045 0.045 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ m_{γ_D} = 2.0 GeV, $c\tau_{\gamma_D}$ = 0.1 mm Fraction of events / 0.035 0.035 0.025 0.015 0.015 —1st n_D (leading p_T) 2nd n_D 0.01 0.005 40 20 60 80 100 120 p of n [GeV]