CMS Simulation (LHE) 8 TeV 0.02 0.018 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ $m_{\gamma_D} = 0.550 \text{ GeV}, c\tau_{\gamma_D} = 0.00 \text{ mm}$ Fraction of events / 0.016 0.014 0.012 0.008 0.006 0.004 -1st neutralino 2nd neutralino 0.004 0.002 50 150 300 100 250 200 of n₁ [GeV]