CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ 0.018 0.016 $m_h = 125 \text{ GeV}, m_{n_s} = 30 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ $m_{\gamma_D} = 10 \text{ GeV}, c\tau_{\gamma_D} = 100 \text{ mm}$ Fraction of events / 0.014 0.008 0.006 0.006 0.004 1st neutralino 2nd neutralino 0.002 150 50 300 100 250 200 of n₁ [GeV]