CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ Fraction of events / 1 GeV 0.04 0.035 0.02 0.01 0.01 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 0.7 \text{ GeV}, c\tau_{\gamma_{D}} = 100 \text{ mm}$ 1st neutralino 2nd neutralino 0.005 50 150 100 300 200 250 p of n₁ [GeV]