CMS Simulation (LHE) 14TeV TeV $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ **0.016** $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_D} = 20$ GeV, $c\tau_{\gamma_D} = 100$ mm 0.014 1st neutralino Fraction of events / 800.012 0.008 0.008 0.004 2nd neutralino 0.002 150 50 100 300 250 200 of n₁ [GeV]