## CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ 0.045 0.045 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_{s}} = 5 \text{ GeV}, c\tau_{\gamma_{s}} = 1 \text{ mm}$ Fraction of events / 0.035 0.02 0.02 0.015 0.01 1st neutralino 2nd neutralino 0.01 0.005 50 150 100 300 200 250 p of n<sub>1</sub> [GeV]