## CMS Simulation (LHE) 14 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 0.05 0.01 0.01 0.01 $m_h = 125 \text{ GeV}, m_{n_a} = 50 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 20.0 \text{ GeV}, c\tau_{\gamma_{D}} = 0.00 \text{ mm}$ 1st neutralino 2nd neutralino 0.01 0.005 50 150 100 300 200 250 p of n<sub>1</sub> [GeV]