CMS Simulation (LHE) 13 TeV 0.04 $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ Fraction of events / 0. $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 1$ GeV, $c\tau_{\gamma_{D}} = 2$ mm — 1st muon (leading p_T) --- 2nd muon --- 3rd muon 0.03 - · - 4th muon 0.02 0.01 3