CMS Simulation (LHE) 14TeV TeV $|pp| \rightarrow |h| \rightarrow |2h_1| \rightarrow |2h_D| + |2\gamma_D| \rightarrow |2h_D| + |4\mu|$ 0.035 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_D} = 20$ GeV, $c\tau_{\gamma_D} = 1000$ mm -raction of events / 1 0.03 0.025 0.02 0.015 0.01 0.005 50 30 40 90 60