## CMS Simulation (LHE) 13 TeV 0.045 $|pp| \rightarrow h \rightarrow 2h_1 \rightarrow |2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ 0.04 $m_{\gamma_{D}} = 1 \text{ GeV}, c\tau_{\gamma_{D}} = 0 \text{ mm}$ 0.035 0.03 0.025 0.02 0.015 <sub>Նո</sub>նոլույլույլույլույլույլույլու 0.01 0.005 30 40 50 60 90 80