CMS Simulation (LHE) 13 TeV 3.5 $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ m_{luu} [GeV] $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ m_{γ_2} = 0.25 GeV, $c\tau_{\gamma_2}$ = 100 mm 2.5 1.5 0.5

1.5

2.5

0.5