## 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<sub>luu</sub> [GeV] $m_h = 125 \text{ GeV}, m_{n_a} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ $m_{\gamma_{S}} = 8.5 \text{ GeV}, c\tau_{\gamma_{S}} = 0 \text{ mm}$ 2.5 1.5

