## CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2h_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2h_D + 4\mu$ Fraction of events / 0.7 $m_h = 125 \text{ GeV}, m_{n_h} = 60 \text{ GeV}, m_{n_h} = 1 \text{ GeV}.$ 0.04 $m_{\gamma_2} = 58 \text{ GeV}, c\tau_{\gamma_2} = 5 \text{ mm}$ 1st muon (leading p<sub>T</sub>) 2nd muon 3rd muon 4th muon 0.03 0.02 0.01 3