## 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. $m_h = 125 \text{ GeV}, m_{n_s} = 60 \text{ GeV}, m_{n_p} = 1 \text{ GeV}^{-1}$ $m_{\gamma_D} = 58 \text{ GeV}, c\tau_{\gamma_D} = 100 \text{ mm}$ 1st muon (leading p<sub>T</sub>) 2nd muon 3rd muon 4th muon 0.01