CMS Simulation (LHE) 13 TeV 0.03 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ of events / 0.12 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ m_{γ_2} = 8.5 GeV, $c\tau_{\gamma_2}$ = 50. mm — 1st muon (leading p_T) 2nd muon 3rd muon - - 4th muon Fraction 0.01 0.005 ϕ of μ [rad]