CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_a} = 60 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 58 \text{ GeV}, c\tau_{\gamma_{D}} = 5 \text{ mm}$ 0.05 - 1st muon (leading p_T) - 2nd muon - 3rd muon 4th muon 0.04 0.03 0.02 0.01 100 120 20 40 60 80 p of μ [GeV]