CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ 0.35 Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 1 \text{ GeV}, c\tau_{\gamma_{D}} = 100 \text{ mm}$ 0.3 — 1st muon (leading p_⊤) ··· 2nd muon ··· 3rd muon 0.25 - · - 4th muon 0.2 0.15 0.1 0.05 20 40 100 120 60 80 p_{\perp} of μ [GeV]