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 Ge\ 0.35 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 2 \text{ GeV}, c\tau_{\gamma_{D}} = 0 \text{ mm}$ 0.3 — 1st muon (leading p_⊤) ··· 2nd muon ··· 3rd muon - · - 4th muon 0.25 0.15 0.1 0.05 20 40 100 120 60 80 p_{\perp} of μ [GeV]