CMS Simulation (LHE) 13 TeV 0.18 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ 0.16 m_{γ_2} = 8.5 GeV, $c\tau_{\gamma_2}$ = 20 mm — 1st muon (leading p_T) --- 2nd muon ---- 3rd muon 0.14 - · - 4th muon 0.12 0.1 0.08 0.06 0.04 0.02 120 20 80 100 40 60 p_{\perp} of μ [GeV]