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 $m_h = 125 \text{ GeV}, m_{n_a} = 10 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ 0.12 $m_{\gamma_{R}} = 5 \text{ GeV}, c\tau_{\gamma_{R}} = 2 \text{ mm}$ - 1st muon (leading p_T) - 2nd muon - 3rd muon 0.1 4th muon 80.0 0.06 0.04 0.02 20 40 80 120 60 100 p of μ [GeV]