CMS Simulation (LHE) 14 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 50 \text{ GeV}, m_{n_b} = 1 \text{ GeV}$ 0.1 $m_{\gamma_{D}}$ = 20 GeV, $c\tau_{\gamma_{D}}$ = 100 mm 1st muon (leading p_T) 2nd muon 3rd muon 0.08 4th muon 0.06 0.04 0.02 60 20 40 80 120 100 p of μ [GeV]