CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ 0.14 Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_{D}}$ = 10 GeV, $c\tau_{\gamma_{D}}$ = 100 mm 0.12 - 1st muon (leading p_T) - 2nd muon - 3rd muon 0.1 4th muon 80.0 0.06 0.04 0.02 40 60 20 80 100 120 p of μ [GeV]