CMS Simulation (LHE) 13 TeV  $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ 0.35 Fraction of events / 1 GeV  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$  $m_{\gamma_{\scriptscriptstyle D}}$  = 1 GeV,  $c\tau_{\gamma_{\scriptscriptstyle D}}$  = 0.5 mm 0.3 — 1st muon (leading p<sub>⊤</sub>) ··· 2nd muon ··· 3rd muon 0.25 - · - 4th muon 0.2 0.15 0.1 0.05 20 40 100 120 60 80  $p_{\perp}$  of  $\mu$  [GeV]