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  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ 0.3  $m_{\gamma_2} = 0.7 \text{ GeV}, c\tau_{\gamma_2} = 2 \text{ mm}$ — 1st muon (leading p<sub>⊤</sub>) ··· 2nd muon ··· 3rd muon 0.25 - · - 4th muon 0.2 0.15 0.1 0.05 40 20 100 120 60 80  $p_{\perp}$  of  $\mu$  [GeV]