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  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$  $m_{\gamma_D} = 0.4 \text{ GeV}, c\tau_{\gamma_D} = 2 \text{ mm}$ 0.25 — 1st muon (leading p<sub>T</sub>) --- 2nd muon ---- 3rd muon - · - 4th muon 0.2 0.15 0.1 0.05 20 40 80 120 60 100  $p_{\perp}$  of  $\mu$  [GeV]