## CMS Simulation (LHE) 13 TeV 0.14 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_n} = 1 \text{ GeV}$ $m_{\gamma_{\scriptscriptstyle D}} = 5$ GeV, $c\tau_{\gamma_{\scriptscriptstyle D}} = 0.5$ mm 0.12 - 1st muon (leading p<sub>T</sub>) - 2nd muon - 3rd muon 0.1 4th muon 0.08 0.06 0.04 0.02 20 40 60 80 100 120 p of μ [GeV]