## CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ 0.3 Fraction of events / 1 Ge\ $m_h = 125 \text{ GeV}, m_{n_s} = 30 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_{_{\Sigma}}} = 10$ GeV, $c\tau_{\gamma_{_{D}}} = 0$ mm 0.25 1st muon (leading p<sub>T</sub>) 2nd muon 3rd muon - · - 4th muon 0.2 0.15 0.1 0.05 40 100 120 60 80 $p_{\perp}$ of $\mu$ [GeV]