## 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 $m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ $m_{\gamma_{D}}$ = 58 GeV, $c\tau_{\gamma_{D}}$ = 100 mm 0.05 - 1st muon (leading p<sub>T</sub>) - 2nd muon - 3rd muon 4th muon 0.04 0.03 0.02 0.01 100 20 40 60 80 120 p of $\mu$ [GeV]