## CMS Simulation (LHE) 13 TeV 0.35 Fraction of events / 1 Ge\ $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ 0.3 $m_{\gamma_{\scriptscriptstyle D}} = 3.0 \text{ GeV}, \ c\tau_{\gamma_{\scriptscriptstyle D}} = 5. \ mm$ 1st muon (leading p<sub>T</sub>) 2nd muon 3rd muon 0.25 4th muon 0.2 0.15 0.1 0.05 20 40 60 80 100 120 of μ [GeV]