## CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu^T$ 0.16 Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_2} = 0.7 \text{ GeV}, c\tau_{\gamma_2} = 5 \text{ mm}$ 0.14 - 1st muon (leading p<sub>T</sub>) - 2nd muon - 3rd muon 0.12 4th muon 0.1 0.08 0.06 0.04 0.02 20 40 60 120 80 100 p of μ [GeV]