## CMS Simulation (LHE) 13 TeV Fraction of events / 1 Ge\ 0.35 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_{D}}$ = 0.7 GeV, $c\tau_{\gamma_{D}}$ = 100. mm 0.3 — 1st muon (leading p<sub>\_</sub>) --- 2nd muon .... 3rd muon 4th muon 0.25 0.2 0.15 0.1 0.05 20 40 60 100 120 80 of μ [GeV]