## CMS Simulation (LHE) 8 TeV Fraction of events / 1 Ge\ $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ 0.25 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_{_D}}$ = 0.250 GeV, $c\tau_{\gamma_{_-}}$ = 0.00 mm 1st muon (leading p<sub>T</sub>) 2nd muon 0.2 ..... 3rd muon - · - 4th muon 0.15 0.1 0.05 40 60 80 100 120 of μ [GeV]