## CMS Simulation (LHE) 8 TeV Fraction of events / 1 GeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ 0.1 $m_{\gamma_{0}} = 0.250 \text{ GeV}, c\tau_{\gamma_{0}} = 0.00 \text{ mm}$ — 1st muon (leading p<sub>T</sub>) 2nd muon ..... 3rd muon 80.0 4th muon $0.06 \, \text{f}$ 0.04 0.02 20 120 60 80 40 100 p of $\mu$ [GeV]