CMS Simulation (LHE) 13 TeV Fraction of events / 1 GeV  $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ 0.3  $m_{\gamma_{D}} = 0.4$  GeV,  $c\tau_{\gamma_{D}} = 1$ . 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 60 100 120 80 of μ [GeV]