## CMS Simulation (LHE) 13 TeV 0.04 Fraction of events / 0. $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 3.0 \text{ GeV}, c\tau_{\gamma_{D}} = 1. \text{ mm}$ 1st muon (leading p<sub>T</sub>)2nd muon3rd muon 0.03 - · - 4th muon 0.02 0.01 3