## CMS Simulation (LHE) 13 TeV 0.03 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ rac D $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_D} = 10 \text{ GeV}, c\tau_{\gamma_D} = 100 \text{ mm}$ 0.025 — 1st muon (leading p<sub>T</sub>) --- 2nd muon --- 3rd muon Fraction of events / - · - 4th muon 0.005 $\phi$ of $\mu$ [rad]