CMS Simulation (LHE) 13 TeV 0.03 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2h_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ <u>ra</u> $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ $m_{\gamma_D} = 5 \text{ GeV}, c\tau_{\gamma_D} = 20 \text{ mm}$ Fraction of events / 0.1 — 1st muon (leading p_T) --- 2nd muon --- 3rd muon - · - 4th muon 0.005 ϕ of μ [rad]