CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ 0.3 Fraction of events / 1 Ge\ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_D} = 5 \text{ GeV}, c\tau_{\gamma_D} = 20 \text{ mm}$ 0.25 - 1st muon (leading p_T) - 2nd muon - 3rd muon 4th muon 0.2 0.15 0.1 0.05 20 40 60 80 100 120 $|p_{z}|$ of μ [GeV]