CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_{D}} = 2 \text{ GeV}, c\tau_{\gamma_{D}} = 1 \text{ mm}$ - 1st muon (leading p_T) - 2nd muon - 3rd muon 4th muon

Fraction of events / 1 Ge\ 0.12 0.1 80.0 0.06 0.04 0.02 20 60 40 80 100 120 p of μ [GeV]

0.18

0.16

0.14