CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ 0.12 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_2} = 8.5 \text{ GeV}, c\tau_{\gamma_2} = 100 \text{ mm}$ 0.1 —1st n_D (leading p_T) 2nd n_D 80.0 0.06 0.04 0.02 40 20 60 80 100 120

p of n [GeV]

Fraction of events / 1 Ge\