CMS Simulation (LHE) 14TeV TeV 0.14 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 50 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$ m_{γ_D} = 20 GeV, $c\tau_{\gamma_D}$ = 1000 mm 0.12 1st muon (leading p_T) 2nd muon ····· 3rd muon — 4th muon 0.1 0.08 0.06 0.04 0.02 20 40 60 80 100 120 of μ [GeV]