CMS Simulation (LHE) 8 TeV Fraction of events / 1 Ge/ 90.0 90 $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ $m_{\gamma_{\scriptscriptstyle D}}$ = 0.550 GeV, $c\tau_{\gamma_{\scriptscriptstyle D}}$ = 0.5 mm 1st muon (leading p_T) 2nd muon 3rd muon 4th muon 0.02 20 120 40 60 80 100 p of μ [GeV]