CMS Simulation (LHE) 8 TeV Fraction of events / 1 GeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ 0.1 $m_{\gamma_{D}} = 0.250$ GeV, $c\tau_{\gamma_{D}} = 3$. mm — 1st muon (leading p_{_}) --- 2nd muon 3rd muon 0.08 4th muon 0.06 0.04 0.02 60 20 80 120 40 100 p of μ [GeV]