## CMS Simulation (LHE) 14 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 50 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$ 0.1 $m_{\gamma_{\scriptscriptstyle D}}$ = 20.0 GeV, $c\tau_{\gamma_{\scriptscriptstyle D}}$ = 0.00 mm - 1st muon (leading p<sub>-</sub>) 2nd muon 80.0 3rd muon 4th muon 0.06 0.04 0.02 20 60 80 40 100 120 p of $\mu$ [GeV]