## 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 $m_h = 125 \text{ GeV}, m_{n_1} = 50 \text{ GeV}, m_{n_2} = 1 \text{ GeV}$ 0.1 $m_{\gamma_{\Sigma}}$ = 20 GeV, $c\tau_{\gamma_{\Sigma}}$ = 0 mm 1st muon (leading p<sub>T</sub>) 2nd muon 3rd muon 0.08 4th muon 0.06 0.04 0.02 60 20 40 80 120 100 p of $\mu$ [GeV]