## CMS Simulation (LHE) 13 TeV $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$ Fraction of events / 1 GeV $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_p} = 1 \text{ GeV}$ $m_{\gamma_2} = 0.4$ GeV, $c\tau_{\gamma_2} = 1$ mm 0.3 - 1st muon (leading p<sub>T</sub>) - 2nd muon - 3rd muon 0.25 4th muon 0.2 0.15 0.1 0.05 20 40 100 60 80 120 $|p_{z}|$ of $\mu$ [GeV]