CMS Simulation (LHE) 8 TeV Fraction of events / 0.1  $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ 0.04  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$  $m_{\gamma_0}$  = 2.000 GeV,  $c\tau_{\gamma_0}$  = 0.2 mm 1st muon (leading p<sub>T</sub>)
2nd muon
3rd muon - · - 4th muon 0.03 0.02 0.01 3