CMS Simulation (LHE) 8 TeV Fraction of events / 0. $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$ 0.04 $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_s} = 1 \text{ GeV}$ m_{γ_0} = 0.850 GeV, $c\tau_{\gamma_0}$ = 0.00 mm 1st muon (leading p_T)2nd muon3rd muon - · - 4th muon 0.03 0.02 0.01

3