CMS Simulation (LHE) 8 TeV Fraction of events / 0.1 GeV  $pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2~\gamma_D \rightarrow 2n_D + 4\mu$  $m_h = 125 \text{ GeV}, m_{n_s} = 10 \text{ GeV}, m_{n_h} = 1 \text{ GeV}$  $m_{\gamma_n}$  = 0.250 GeV,  $c\tau_{\gamma_n}$  = 0.00 mm 10<sup>-1</sup> 10<sup>-2</sup> 10<sup>-3</sup>  $10^{-1}$  $10^2$ Mass of Fake μμ [GeV]