

Events / 0.1 GeV

$\times 10^3$

CMS Simulation (LHE) 8 TeV

$pp \rightarrow h \rightarrow 2n_1 \rightarrow 2n_D + 2\gamma_D \rightarrow 2n_D + 4\mu$

$m_h = 125 \text{ GeV}, m_{n_1} = 10 \text{ GeV}, m_{n_D} = 1 \text{ GeV}$

$m_{\gamma_D} = 0.250 \text{ GeV}, c\tau_{\gamma_D} = 0.00 \text{ mm}$

100

80

60

40

20

0

$10^{-1}$

1

10

$m_{\mu\mu} [\text{GeV}]$

