

# CMS Simulation (LHE) 8 TeV

Fraction of events / 1 GeV

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

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

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

0.07

0.06

0.05

0.04

0.03

0.02

0.01

0

$\text{MET} = \sum_{n_D} \vec{p}_T [\text{GeV}]$

