CMS Simulation (LHE) 13 TeV

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

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

$m_{\gamma_D} = 0.85$ GeV, $c\tau_{\gamma_D} = 10.$ mm

1st n_D (leading p_T)

2nd n_D

Fraction of events / 1 GeV

p of n_D [GeV]