CMS Simulation (LHE) 14TeV 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_{γ_D} = 20 GeV, $c\tau_{\gamma_D}$ = 1000 mm

Normalized Fraction of Events / 50.0 mm

L_{XY} of γ_D [mm]