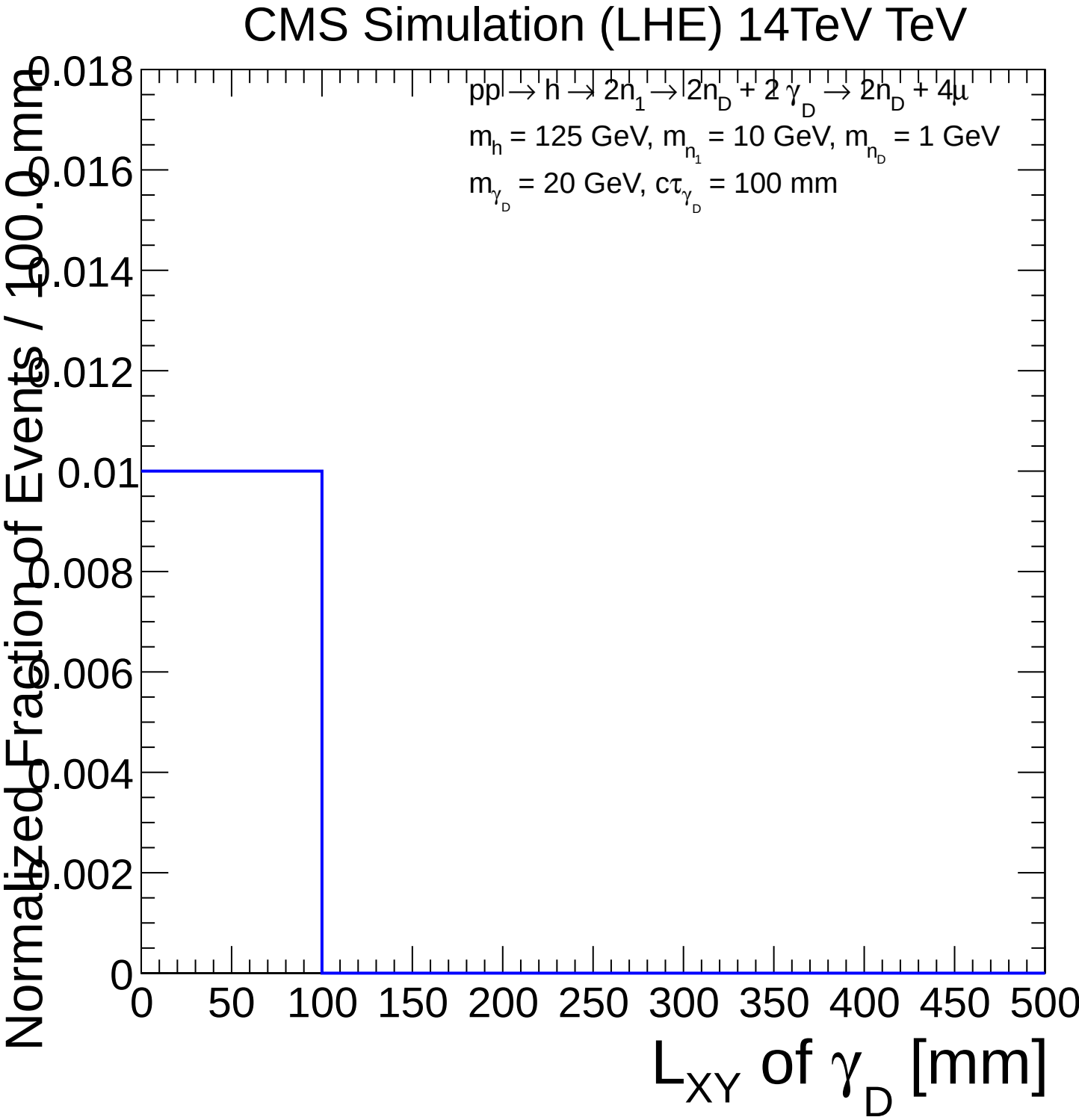
CMS Simulation (LHE) 14TeV TeV
$pp \to h \to 2n_1 \to 2n_D + 2\gamma_D \to 2n_D + 4\mu$
m_h = 125 GeV, m_{n_1} = 10 GeV, m_{n_D} = 1 GeV
m_{γ_D} = 20 GeV, $c\tau_{\gamma_D}$ = 100 mm
Normalized Fraction of Events / 100.0 mm
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0 50 100 150 200 250 300 350 400 450 500
L_{XY} of γ_D [mm]