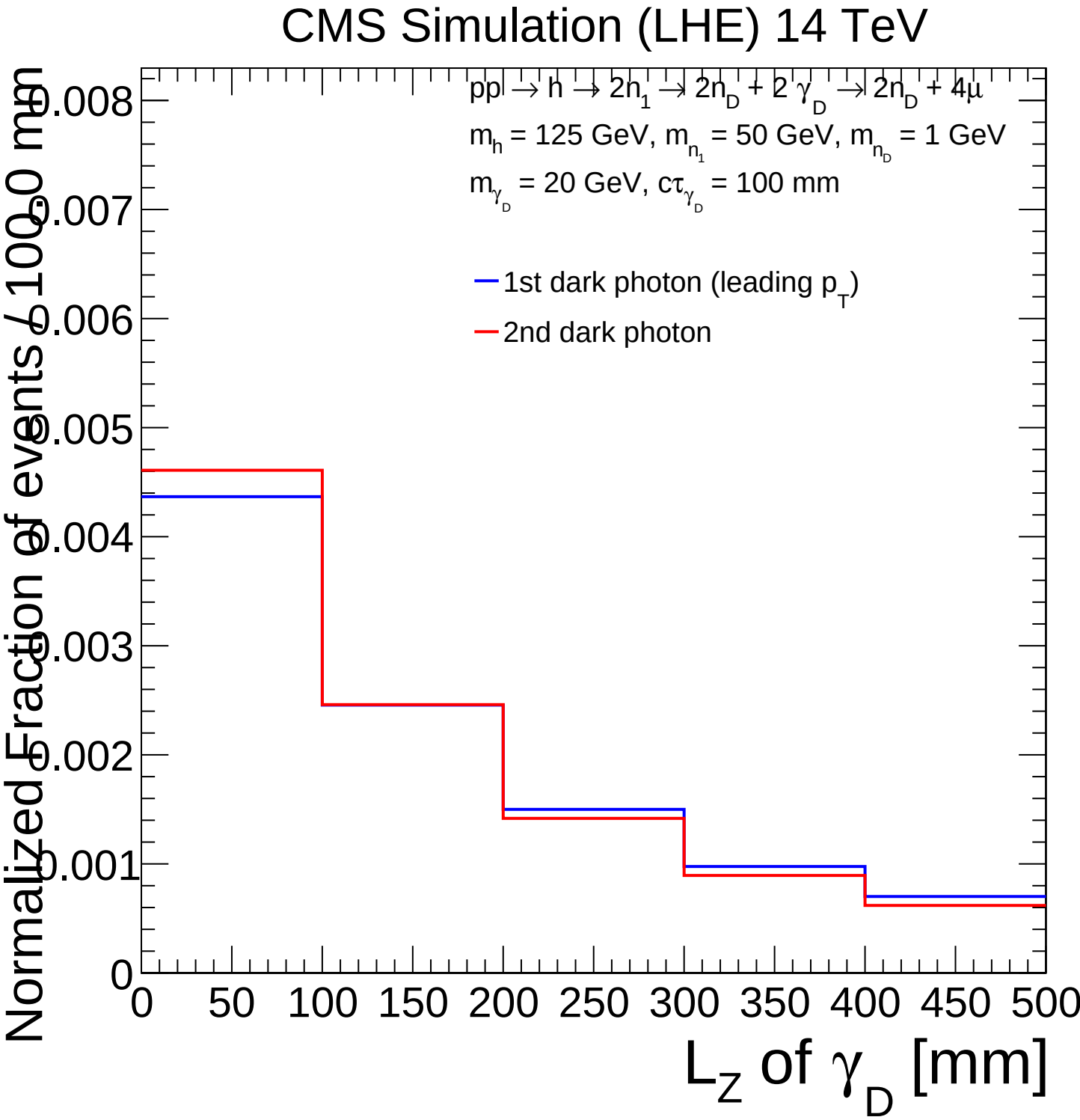
CMS Simulation (LHE) 14 TeV
$pp \to h \to 2n_1 \to 2n_D + 2\gamma_D \to 2n_D + 4\mu$
m_h = 125 GeV, m_{n_1} = 50 GeV, m_{n_D} = 1 GeV
m_{γ_D} = 20 GeV, $c\tau_{\gamma_D}$ = 100 mm
1st dark photon (leading p_T)
2nd dark photon
Normalized Fraction of events / 100.0 mm
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
0 50 100 150 200 250 300 350 400 450 500
L_Z of γ_D [mm]