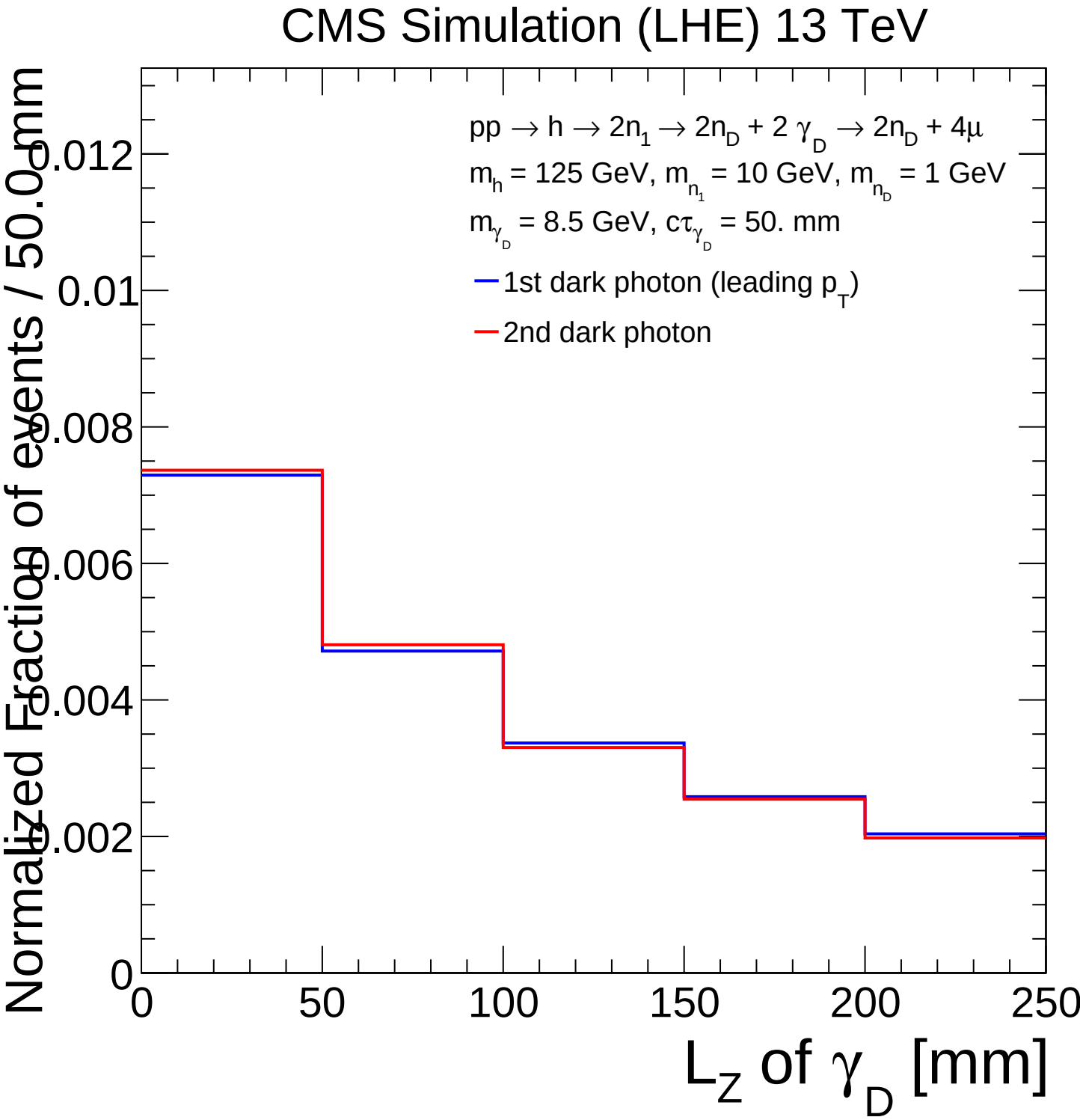
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 8.5 GeV, cτγD = 50. mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 50.0 mm
0
0.002
0.004
0.006
0.008
0.01
0.012
0
50
100
150
200
250
LZ of γD [mm]