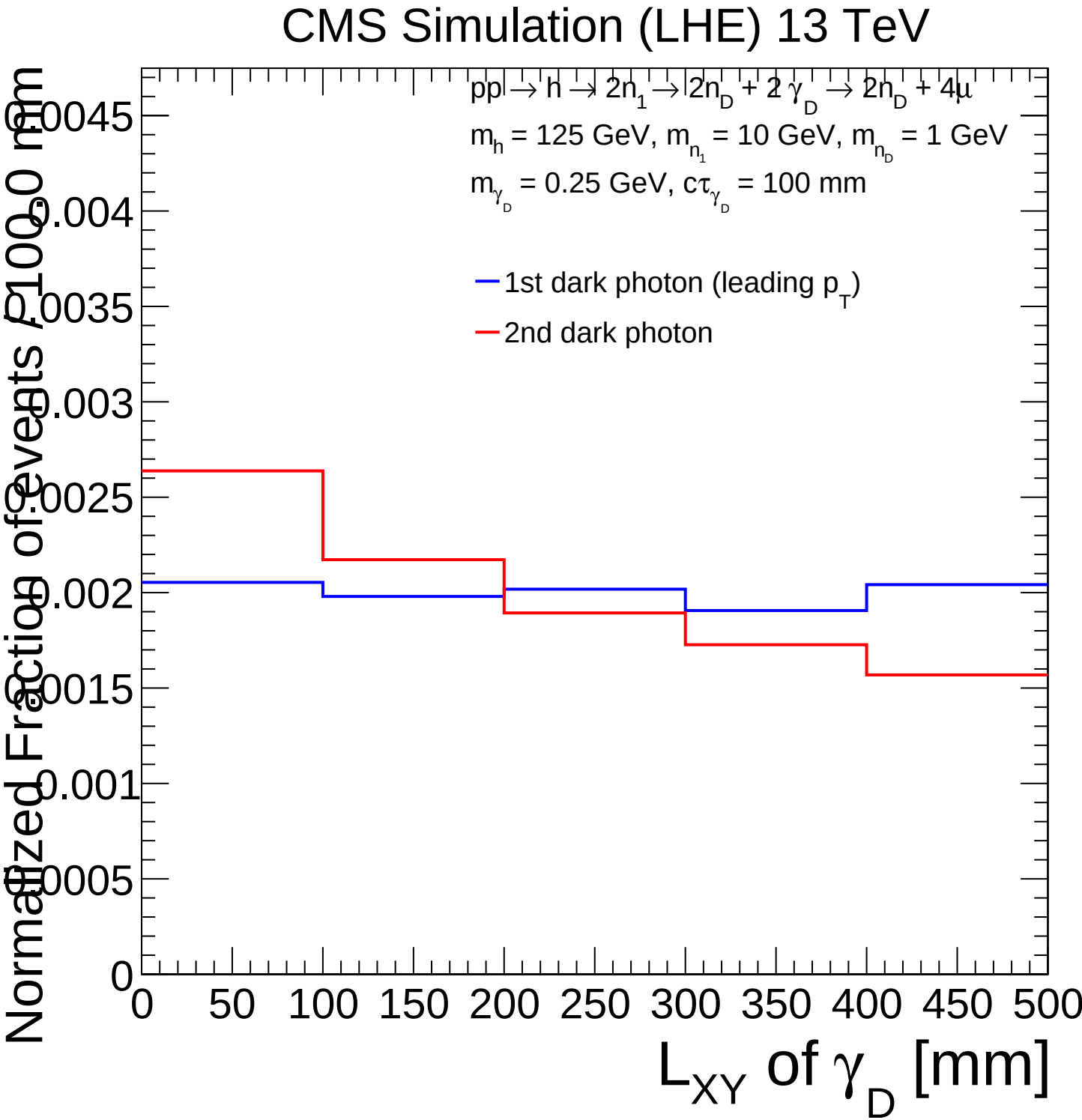
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.25 GeV, cτγD = 100 mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of Events / 100.0 mm
0
0.0005
0.001
0.0015
0.002
0.0025
0.003
0.0035
0.004
0.0045
0
50
100
150
200
250
300
350
400
450
500
LXY of γD [mm]