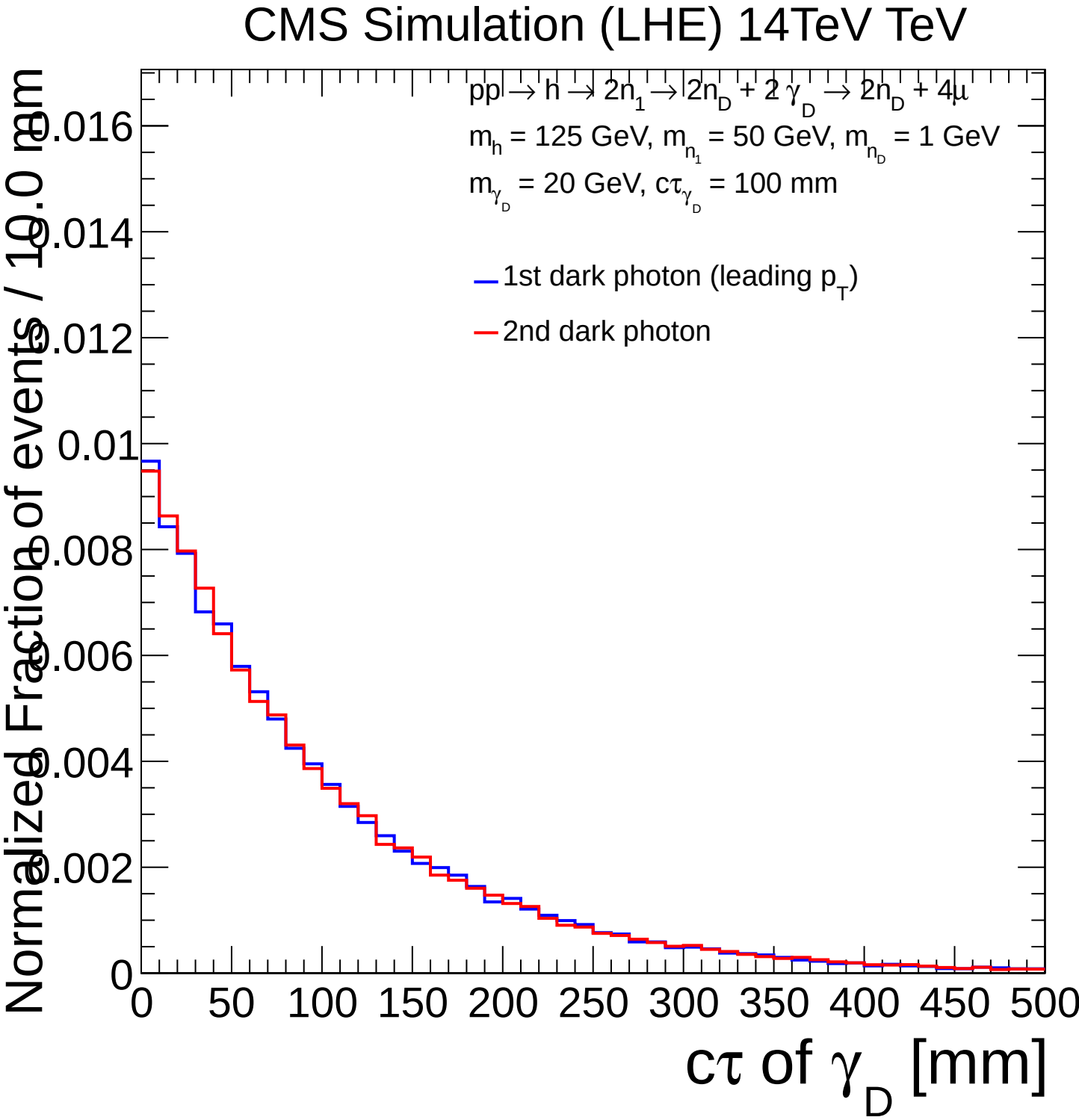
CMS Simulation (LHE) 14TeV TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 50 GeV, mnD = 1 GeV
mγD = 20 GeV, cτγD = 100 mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 10.0 mm
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
0
50
100
150
200
250
300
350
400
450
500
cτ of γD [mm]