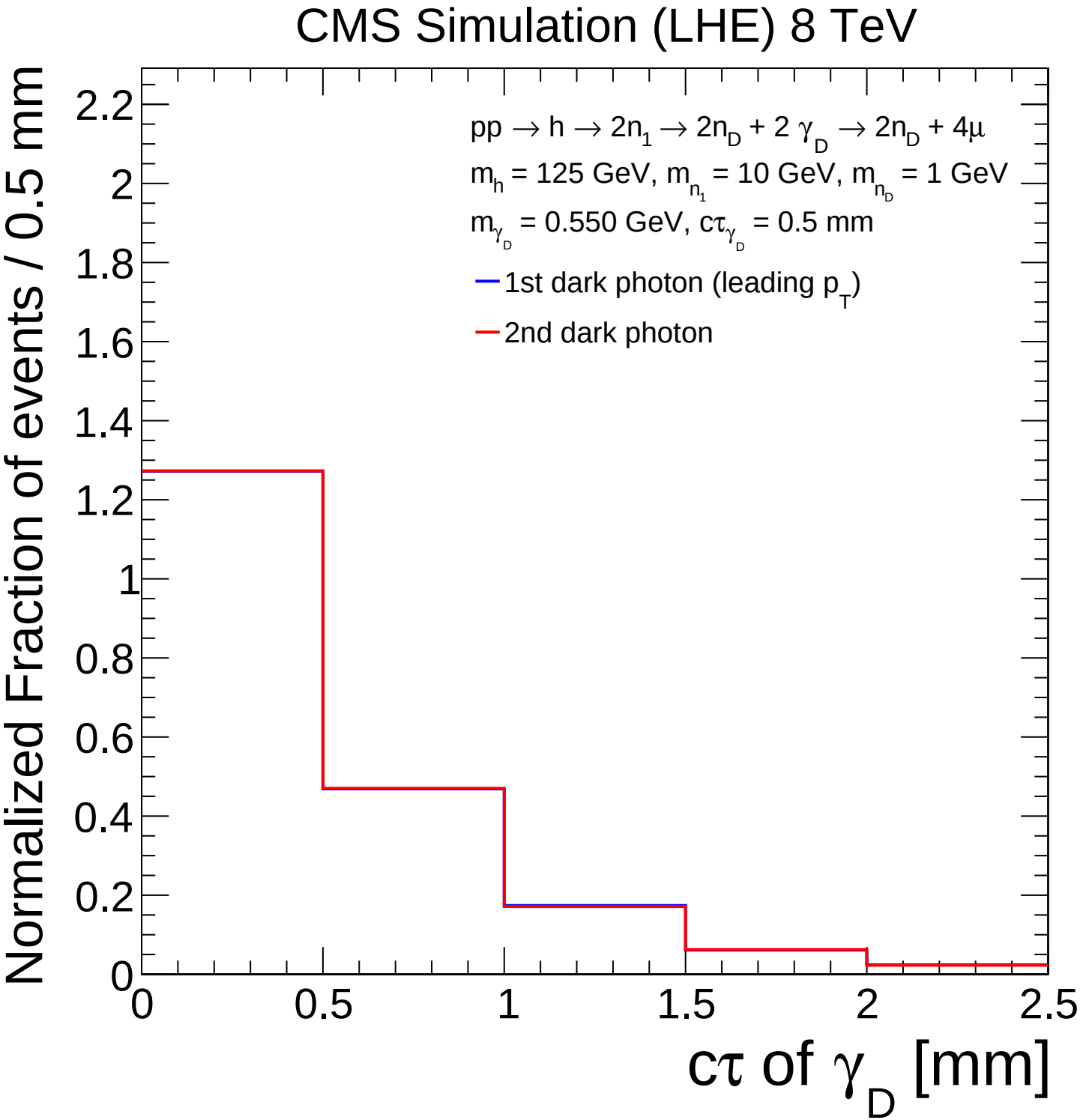
CMS Simulation (LHE) 8 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.550 GeV, cτγD = 0.5 mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 0.5 mm
cτ of γD [mm]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
0.5
1.5
2.5