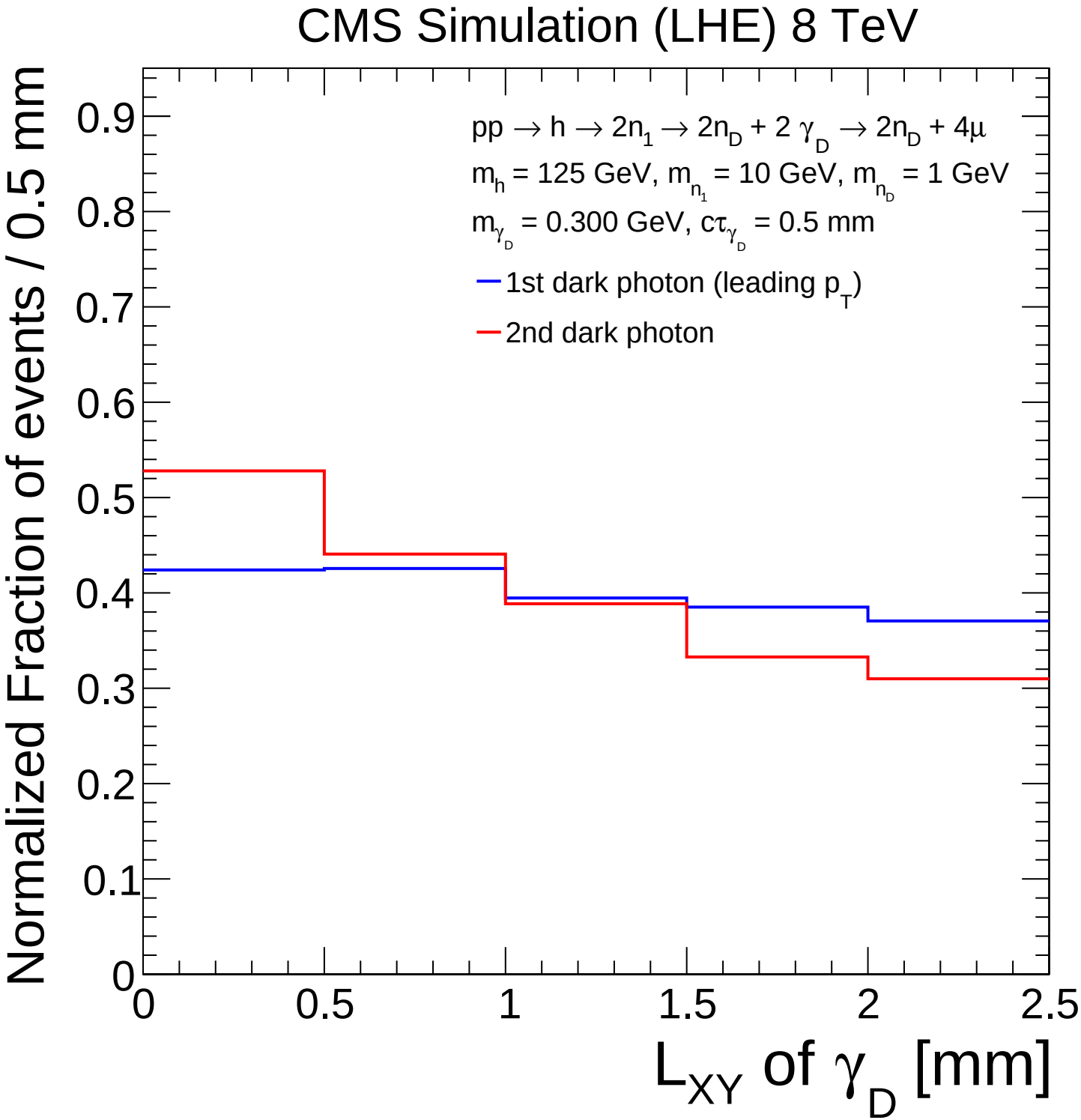
CMS Simulation (LHE) 8 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.300 GeV, cτγD = 0.5 mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 0.5 mm
LXY of γD [mm]
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
0
0.5
1
1.5
2
2.5