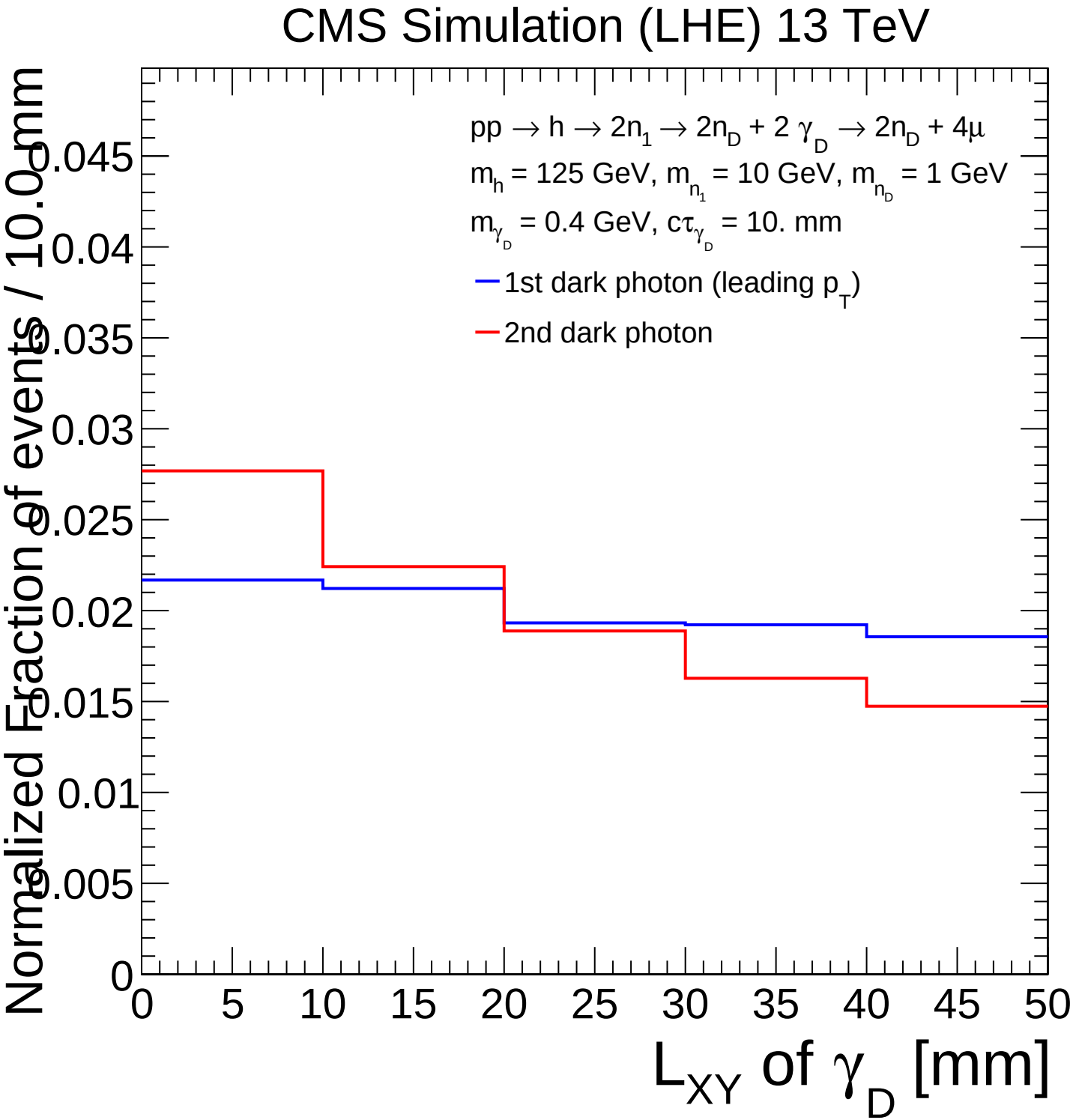
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.4 GeV, cτγD = 10. mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 10.0 mm
LXY of γD [mm]
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0
5
10
15
20
25
30
35
40
45
50