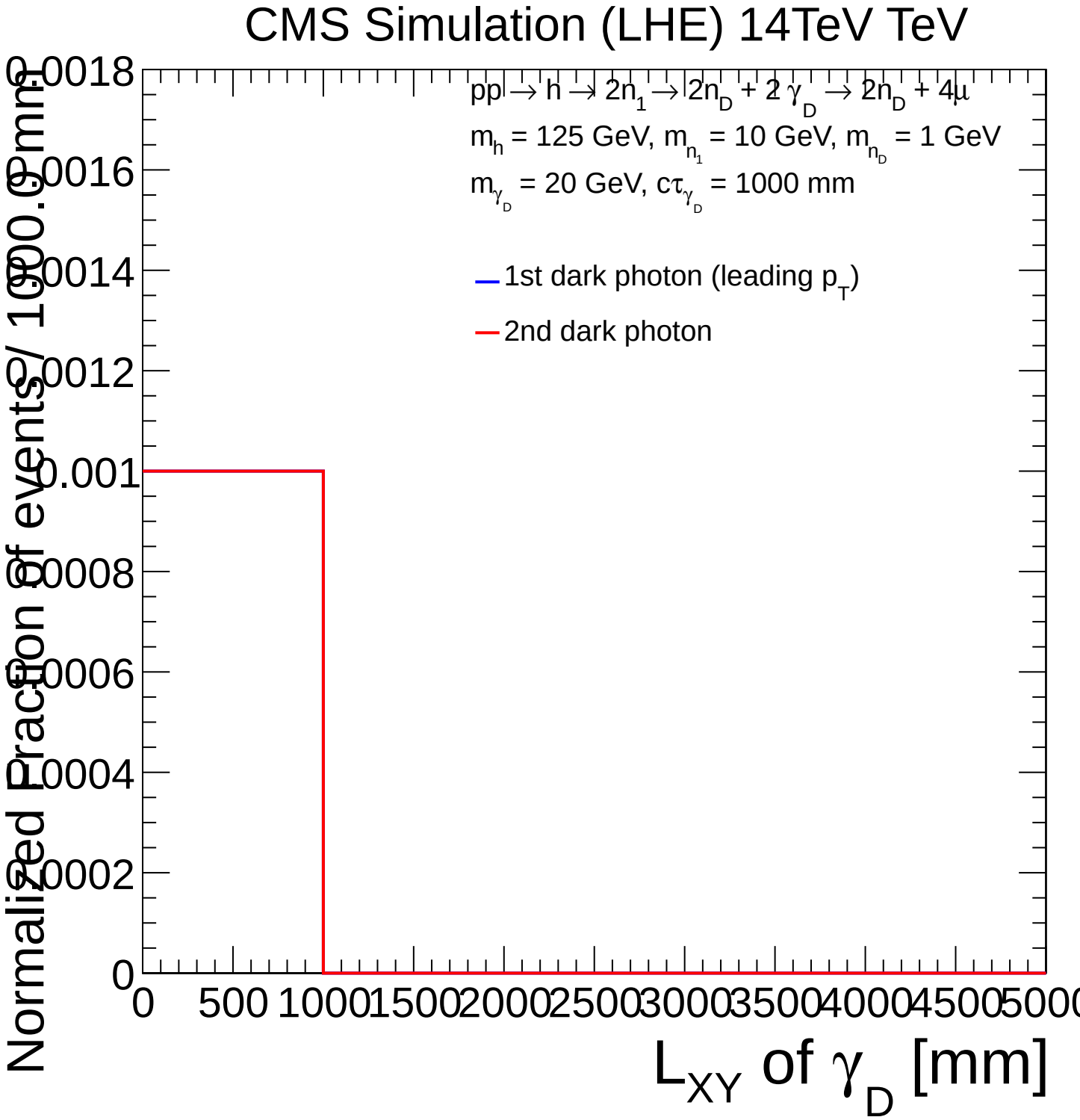
CMS Simulation (LHE) 14TeV TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 20 GeV, cτγD = 1000 mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 100.0 mm
LXY of γD [mm]
0
0.0002
0.0004
0.0006
0.0008
0.001
0.0012
0.0014
0.0016
0.0018
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000