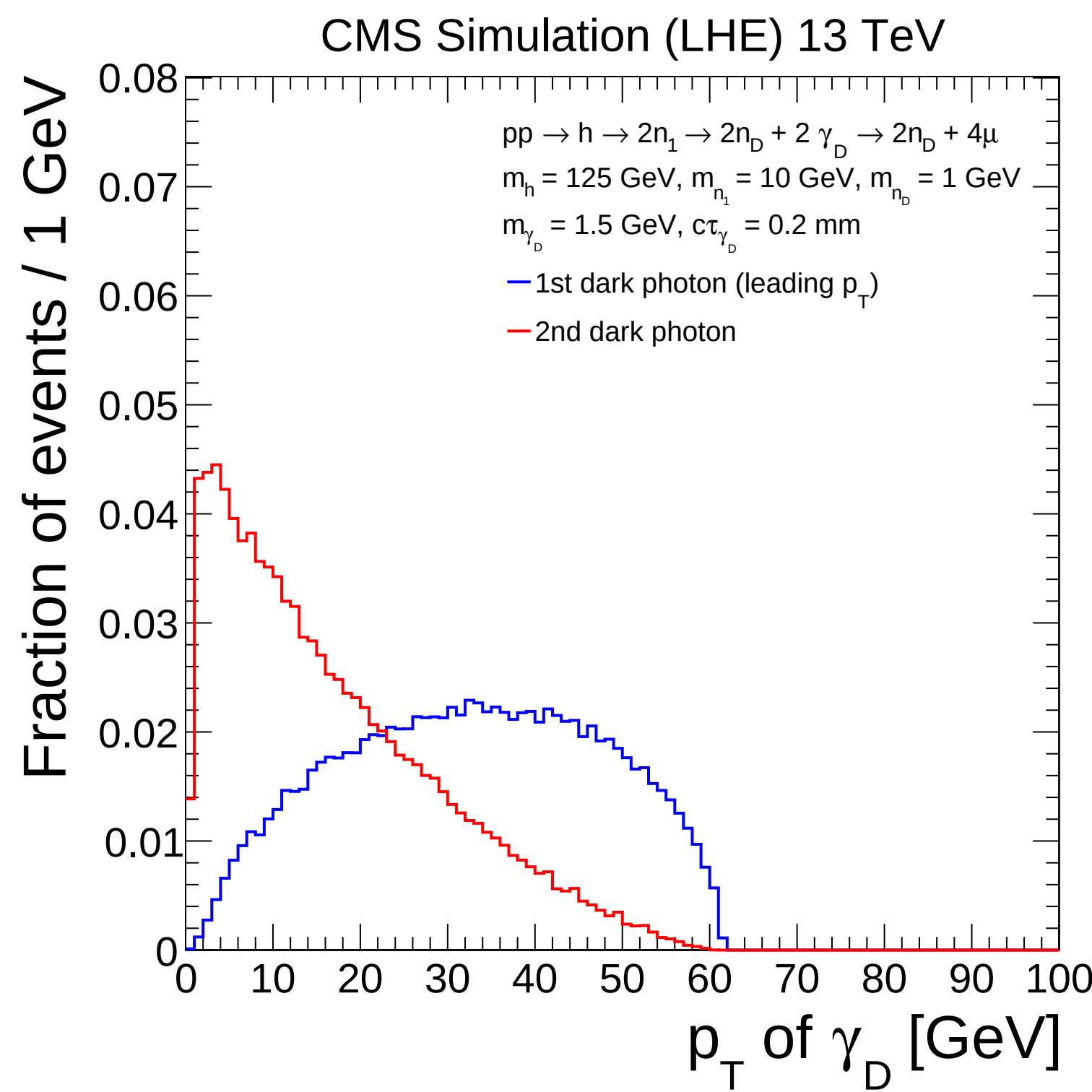
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 1.5 GeV, cτγD = 0.2 mm
1st dark photon (leading pT)
2nd dark photon
Fraction of events / 1 GeV
pT of γD [GeV]
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0
10
20
30
40
50
60
70
80
90
100