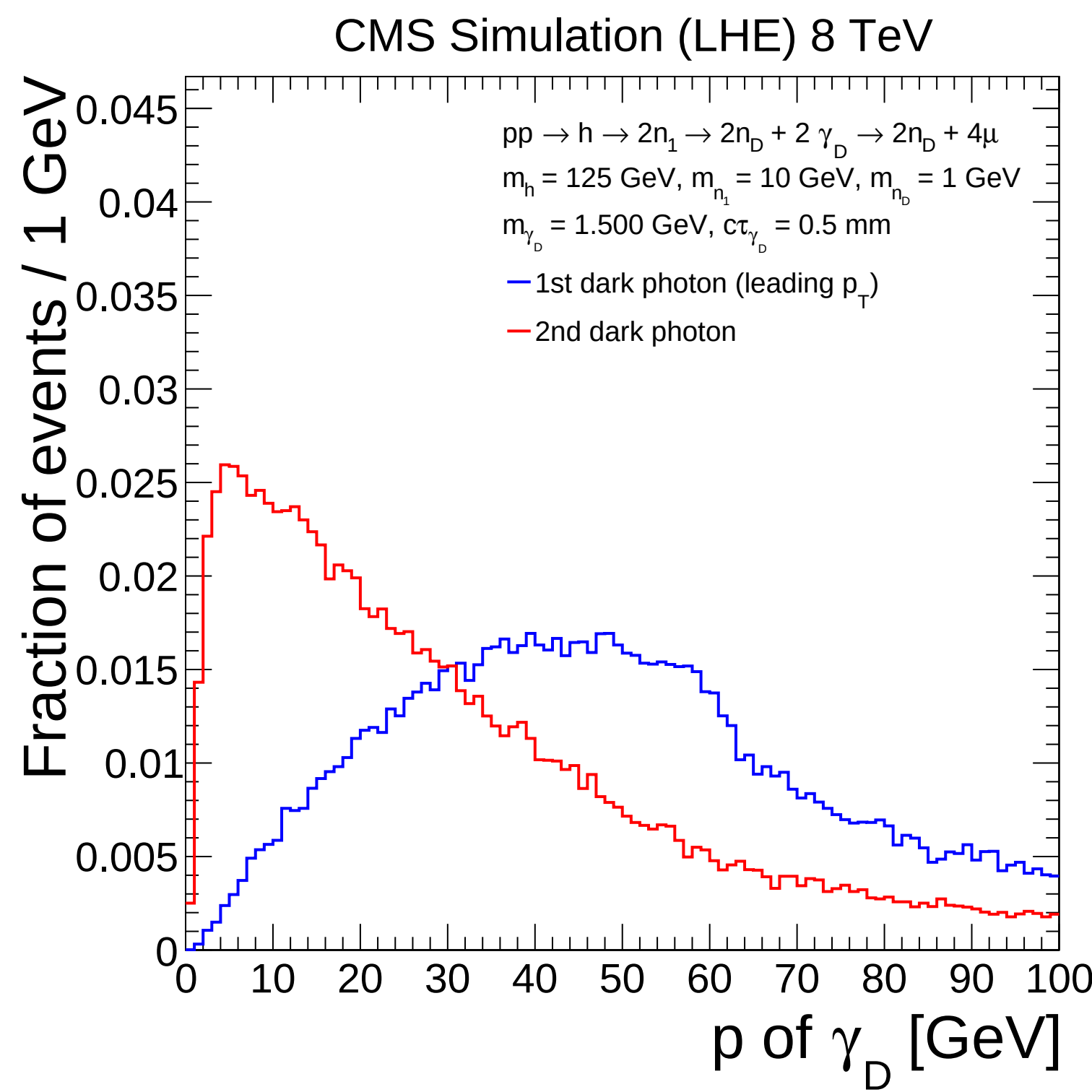
CMS Simulation (LHE) 8 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 1.500 GeV, cτγD = 0.5 mm
1st dark photon (leading pT)
2nd dark photon
Fraction of events / 1 GeV
p of γD [GeV]
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0
10
20
30
40
50
60
70
80
90
100