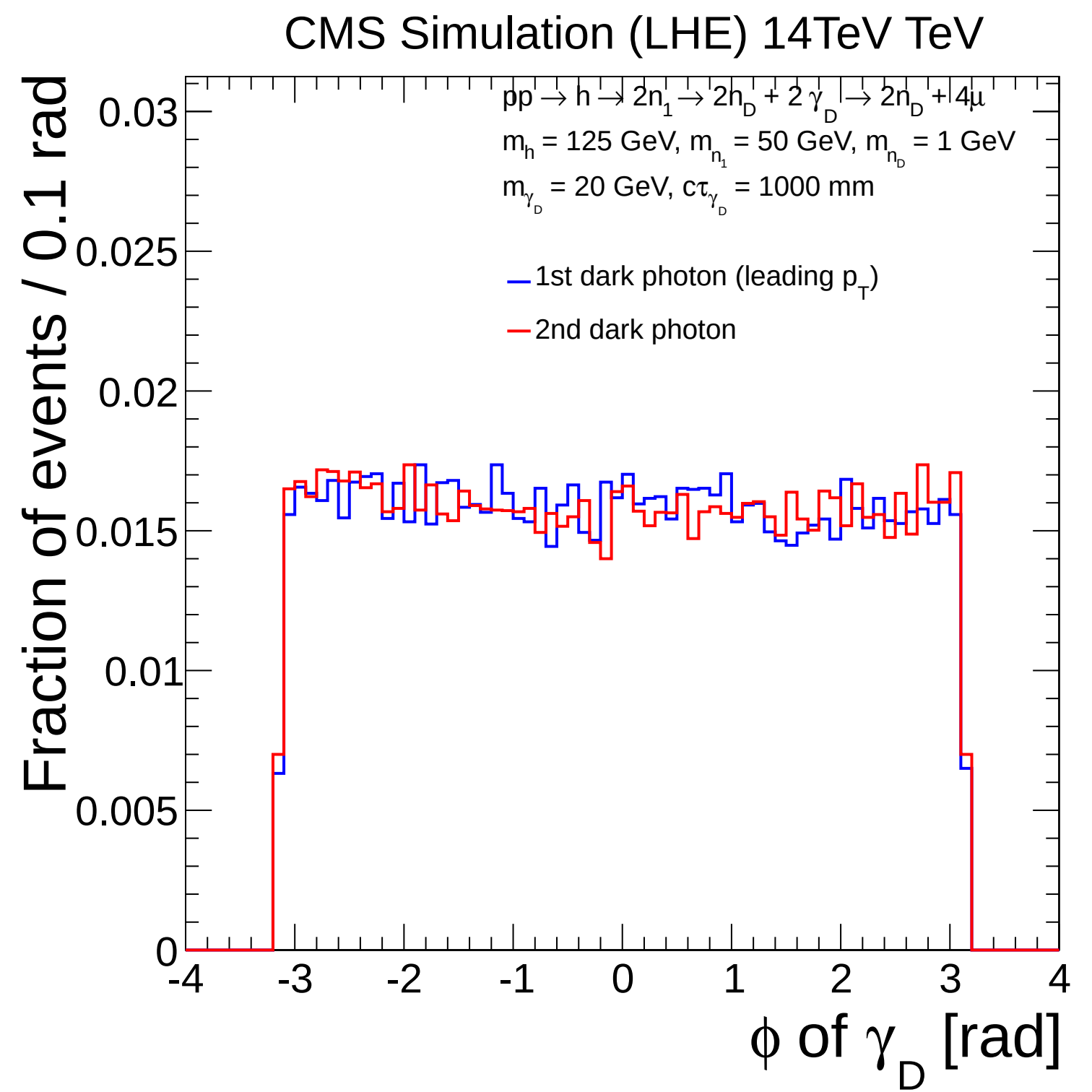
CMS Simulation (LHE) 14TeV TeV
$pp \to h \to 2n_1 \to 2n_D + 2\gamma_D \to 2n_D + 4\mu$
m_h = 125 GeV, m_{n_1} = 50 GeV, m_{n_D} = 1 GeV
m_{γ_D} = 20 GeV, $c\tau_{\gamma_D}$ = 1000 mm
1st dark photon (leading p_T)
2nd dark photon
Fraction of events / 0.1 rad
0.03
0.025
0.02
0.015
0.01
0.005
0
-4
-3
-2
-1
0
1
2
3
4
ϕ of γ_D [rad]