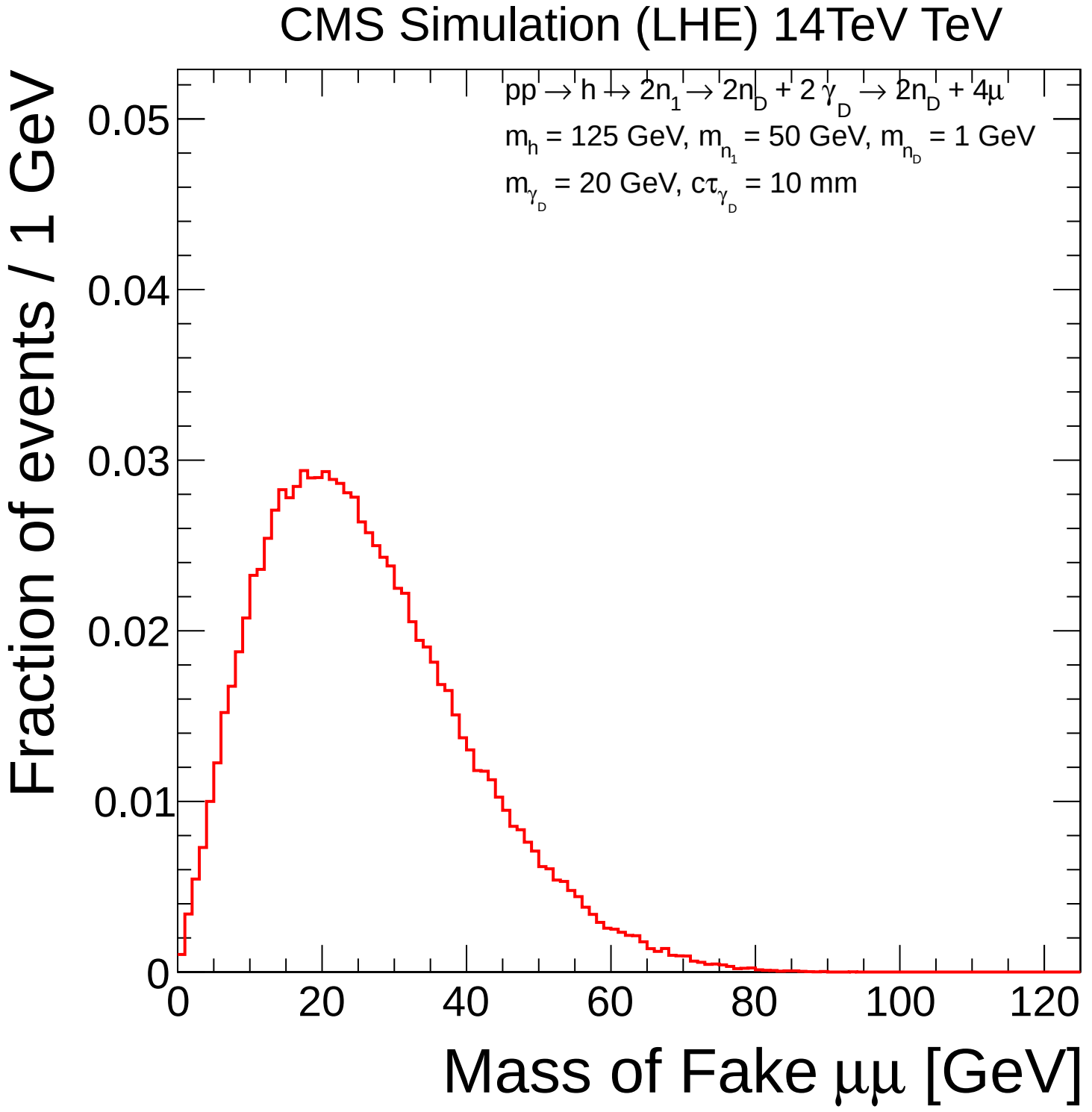
CMS Simulation (LHE) 14TeV TeV
$pp \to h \to 2n_1 \to 2n_D + 2\gamma_D \to 2n_D + 4\mu$
m_h = 125 GeV, m_{n_1} = 50 GeV, m_{n_D} = 1 GeV
m_{γ_D} = 20 GeV, $c\tau_{\gamma_D}$ = 10 mm
Fraction of events / 1 GeV
0.05
0.04
0.03
0.02
0.01
0
0
20
40
60
80
100
120
Mass of Fake μμ [GeV]