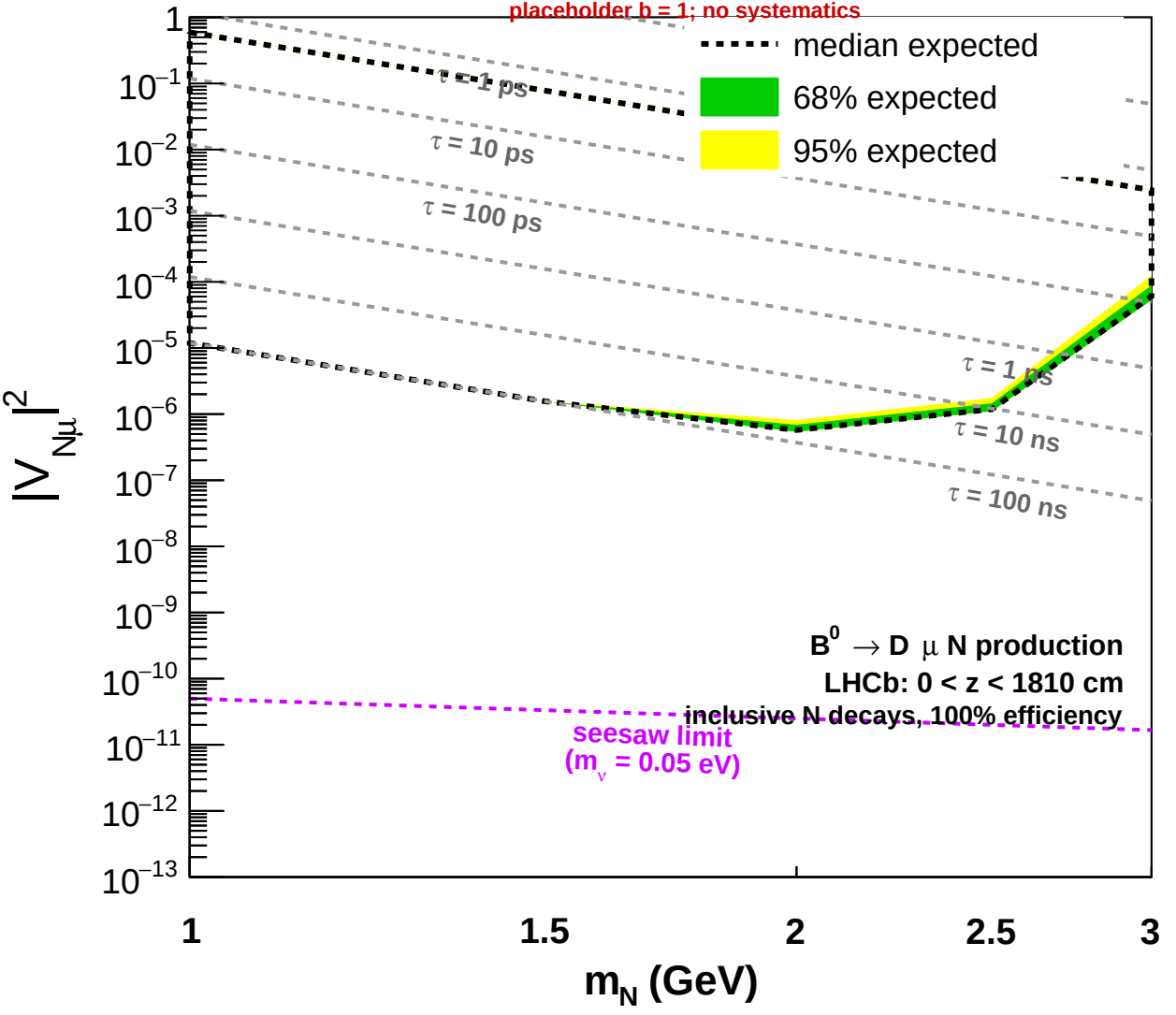
Idealized counting study: NOT a reconstructed LHCb exclusion
placeholder b = 1; no systematics
median expected
68% expected
95% expected
τ = 1 ps
τ = 10 ps
τ = 100 ps
τ = 1 ns
τ = 10 ns
τ = 100 ns
B0 → D μ N production
LHCb: 0 < z < 1810 cm
inclusive N decays, 100% efficiency
seesaw limit
(mν = 0.05 eV)
|VNμ|2
mN (GeV)
1
10−1
10−2
10−3
10−4
10−5
10−6
10−7
10−8
10−9
10−10
10−11
10−12
10−13
1
1.5
2
2.5
3