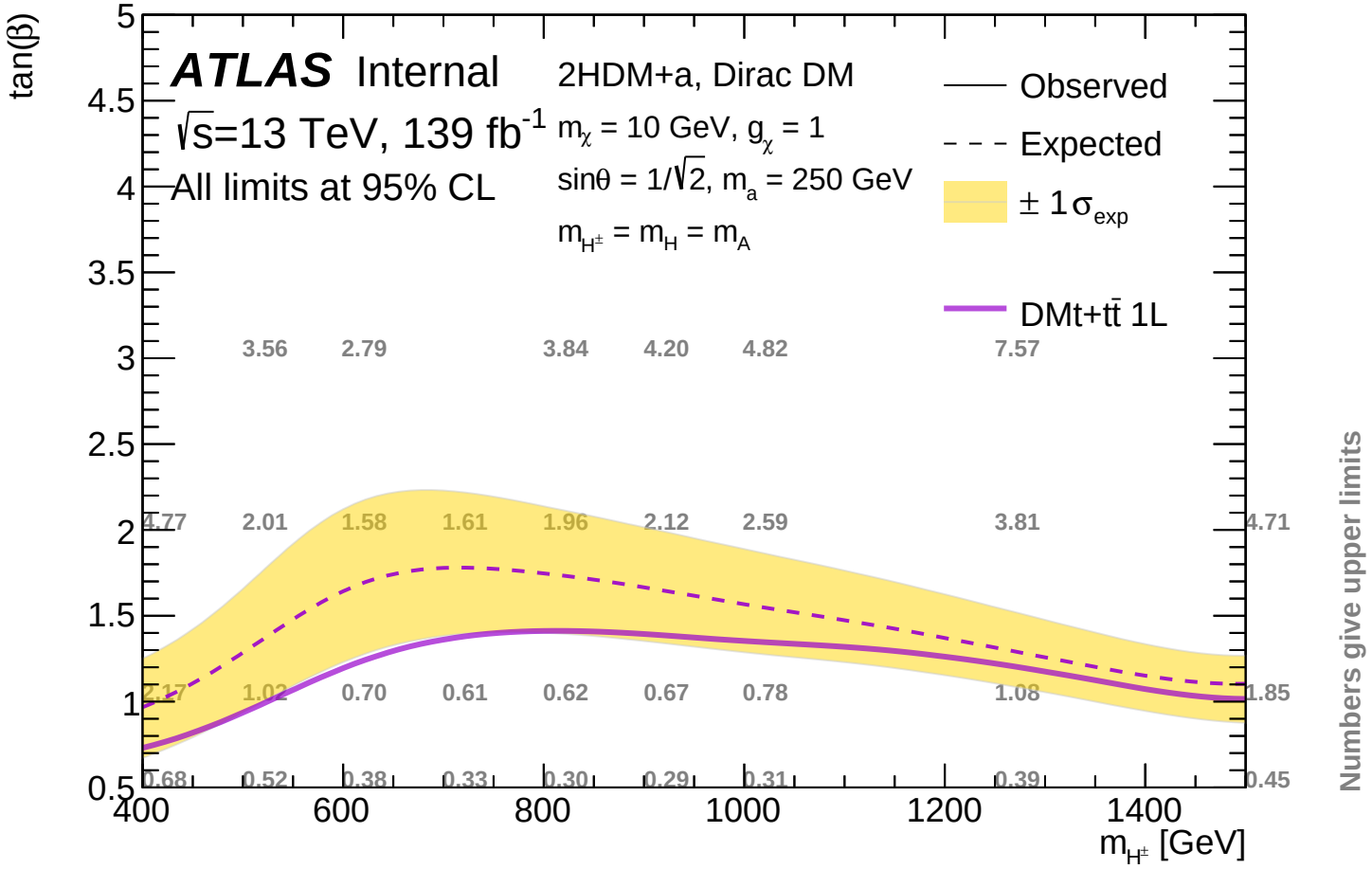
ATLAS Internal
√s=13 TeV, 139 fb-1
All limits at 95% CL
2HDM+a, Dirac DM
mχ = 10 GeV, gχ = 1
sinθ = 1/√2, ma = 250 GeV
mH± = mH = mA
Observed
Expected
± 1σexp
DMt+tt̄ 1L
tan(β)
mH± [GeV]
Numbers give upper limits
3.56
2.79
3.84
4.20
4.82
7.57
4.77
2.01
1.58
1.61
1.96
2.12
2.59
3.81
4.71
2.17
1.02
0.70
0.61
0.62
0.67
0.78
1.08
1.85
0.68
0.52
0.38
0.33
0.30
0.29
0.31
0.39
0.45