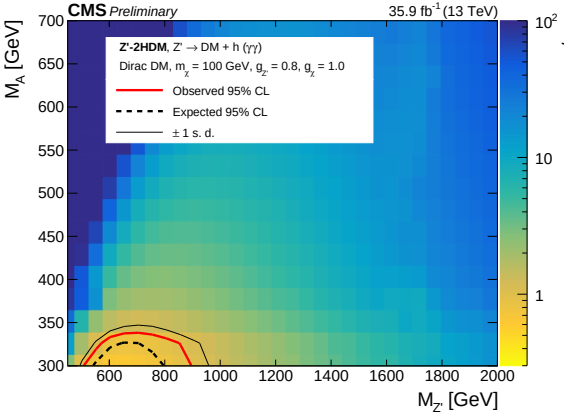
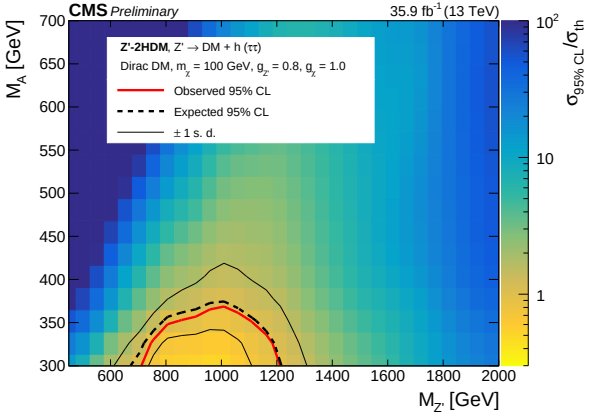
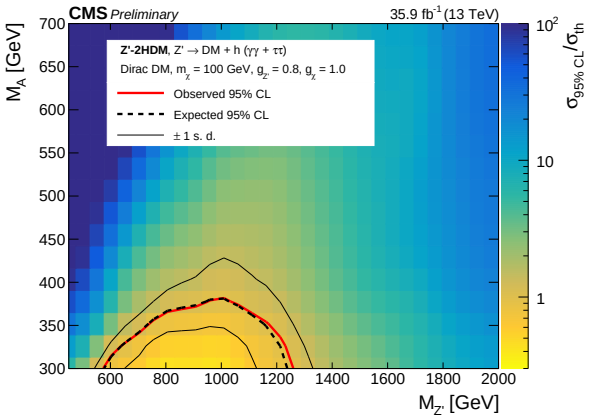

CMS Preliminary
35.9 fb-1 (13 TeV)
Z'-2HDM, Z' → DM + h (γγ)
Dirac DM, mχ = 100 GeV, gZ' = 0.8, gχ = 1.0
Observed 95% CL
Expected 95% CL
± 1 s. d.
MA [GeV]
MZ' [GeV]
σ95% CL/σth


CMS Preliminary
35.9 fb-1 (13 TeV)
Z'-2HDM, Z' → DM + h (ττ)
Dirac DM, mχ = 100 GeV, gZ' = 0.8, gχ = 1.0
Observed 95% CL
Expected 95% CL
± 1 s. d.
MA [GeV]
MZ' [GeV]
σ95% CL/σth


CMS Preliminary
35.9 fb-1 (13 TeV)
Z'-2HDM, Z' → DM + h (γγ + ττ)
Dirac DM, mχ = 100 GeV, gZ' = 0.8, gχ = 1.0
Observed 95% CL
Expected 95% CL
± 1 s. d.
MA [GeV]
MZ' [GeV]
σ95% CL/σth