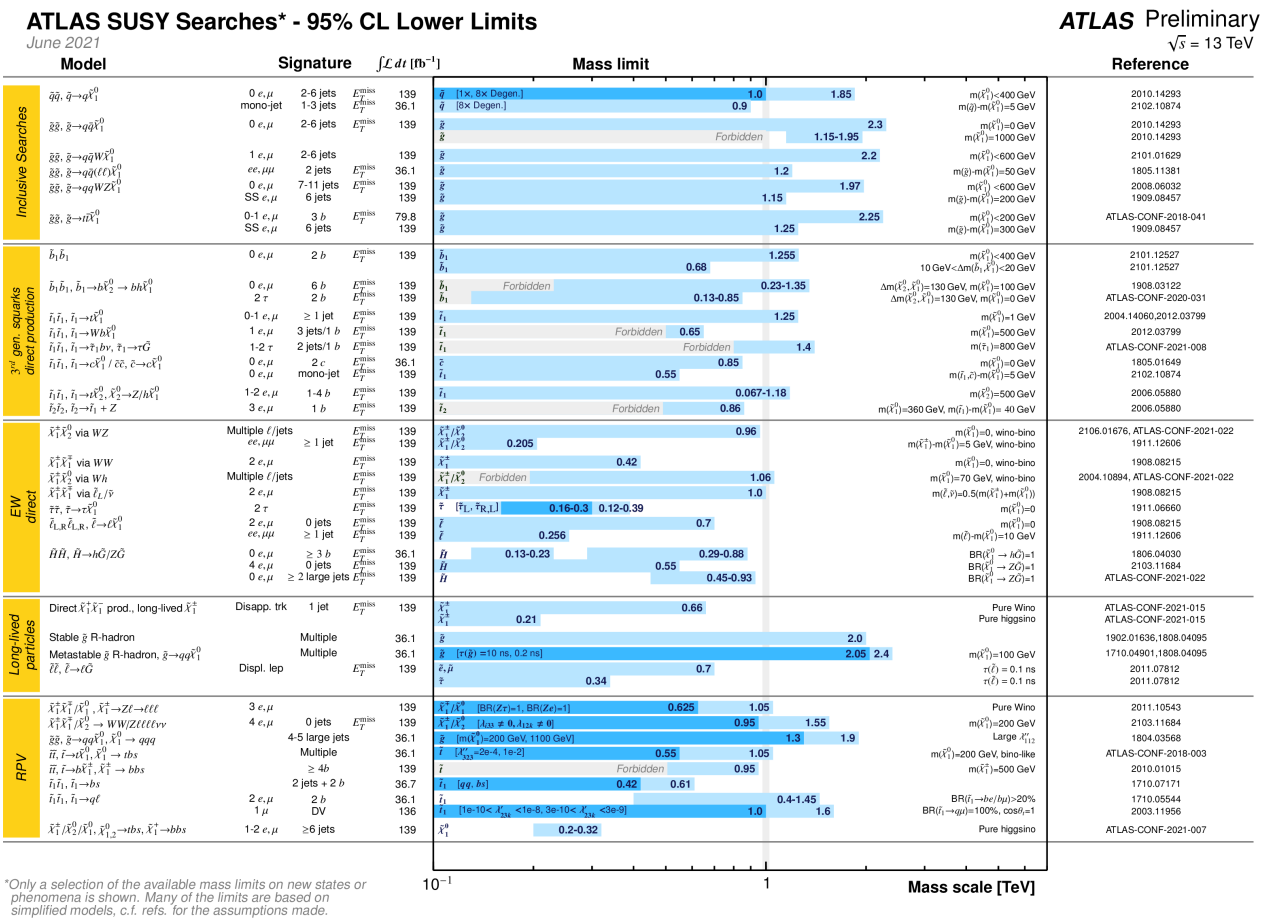

Figure 0.1: Example for SUSY as BSM Model. All particles shown here have been rejected as they should have been found using described methods in BSM search. [1]

0.1 Relevance of dim-8 operators

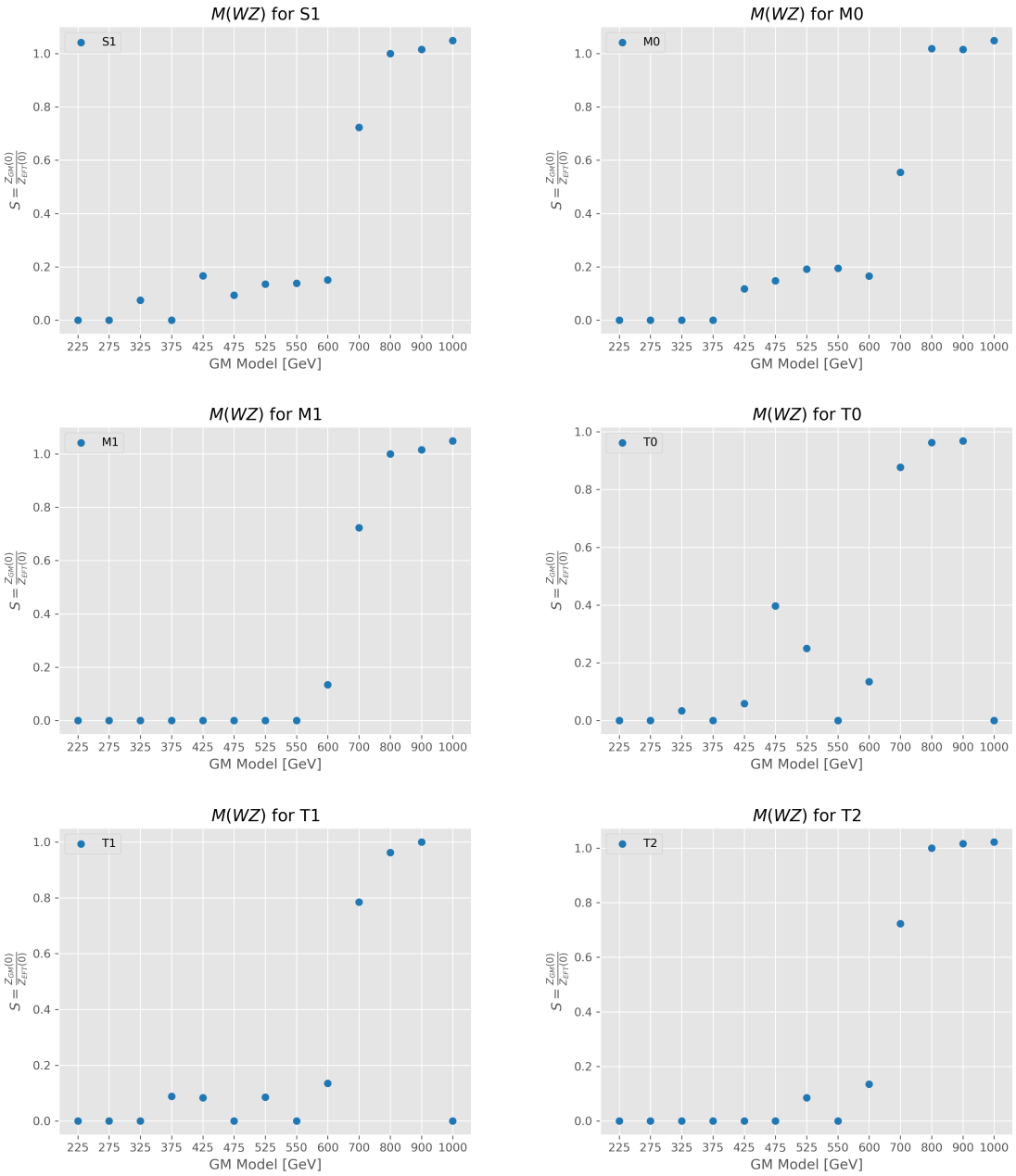

Figure 0.2: Statistical significance ratio for coefficients S1, M0, M1, T0, T1, T2 in invariant mass

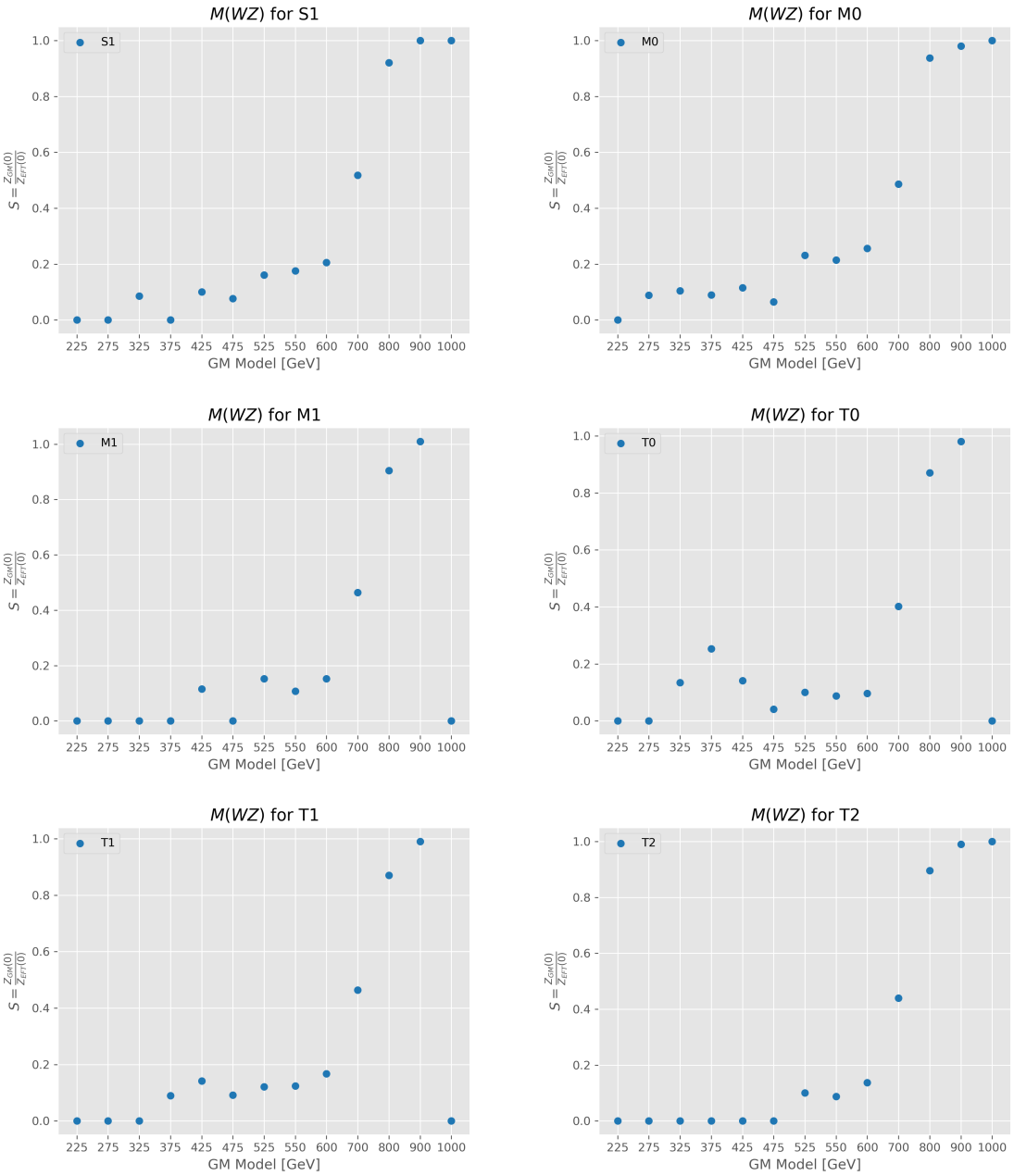

Figure 0.3: Statistical significance ratio for coefficients S1, M0, M1, T0, T1, T2 in transverse mass

0.2 Cross-section comparison for dim-8 operators

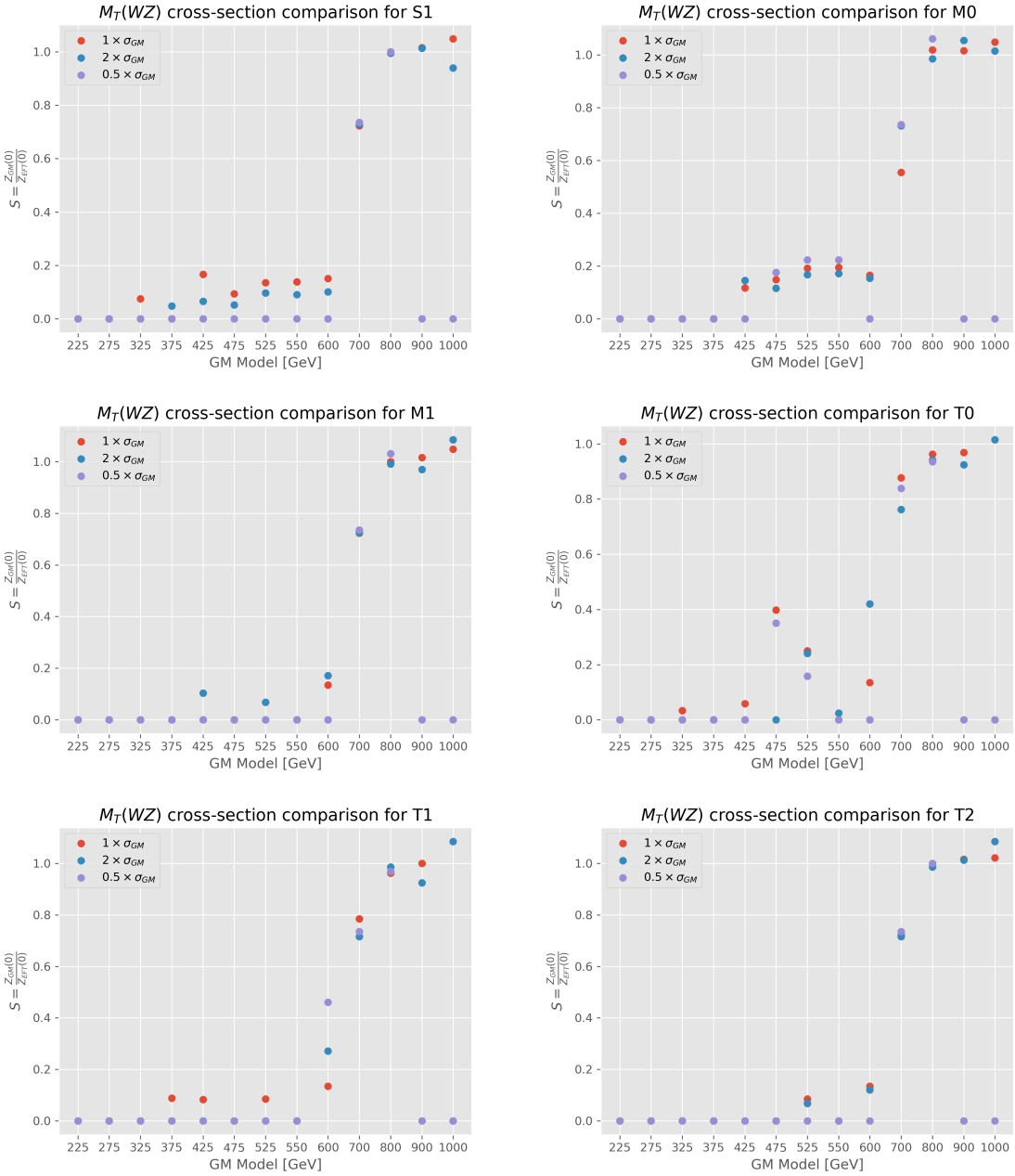

Figure 0.4: Statistical significance ratio cross-section comparison for operators coefficients S1, M0, M1, T0, T1, T2 in invariant mass

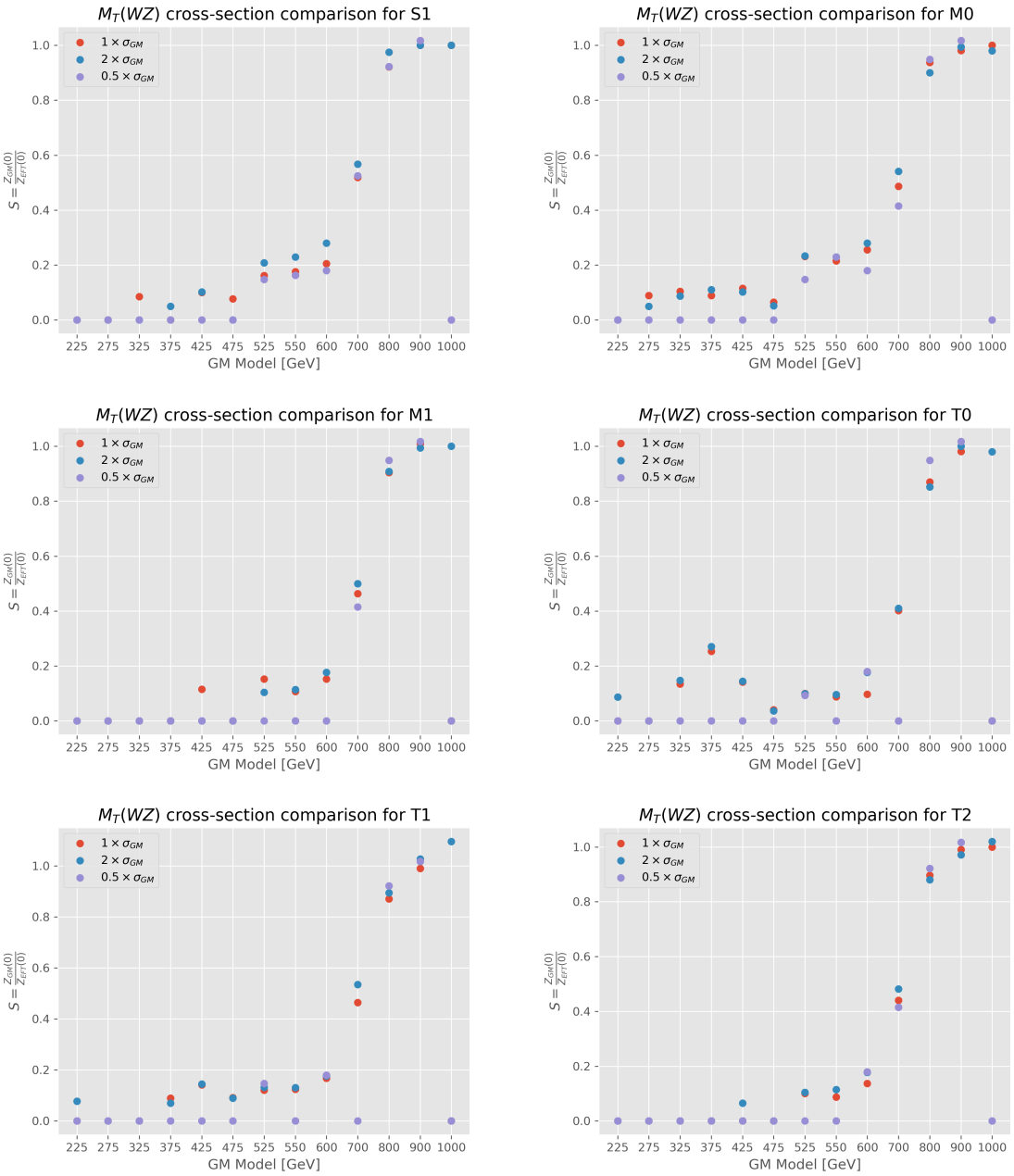

Figure 0.5: Statistical significance ratio cross-section comparison for operators coefficients S1, M0, M1, T0, T1, T2 in transverse mass

0.3 Resonances

0.3.1 900 GeV resonance

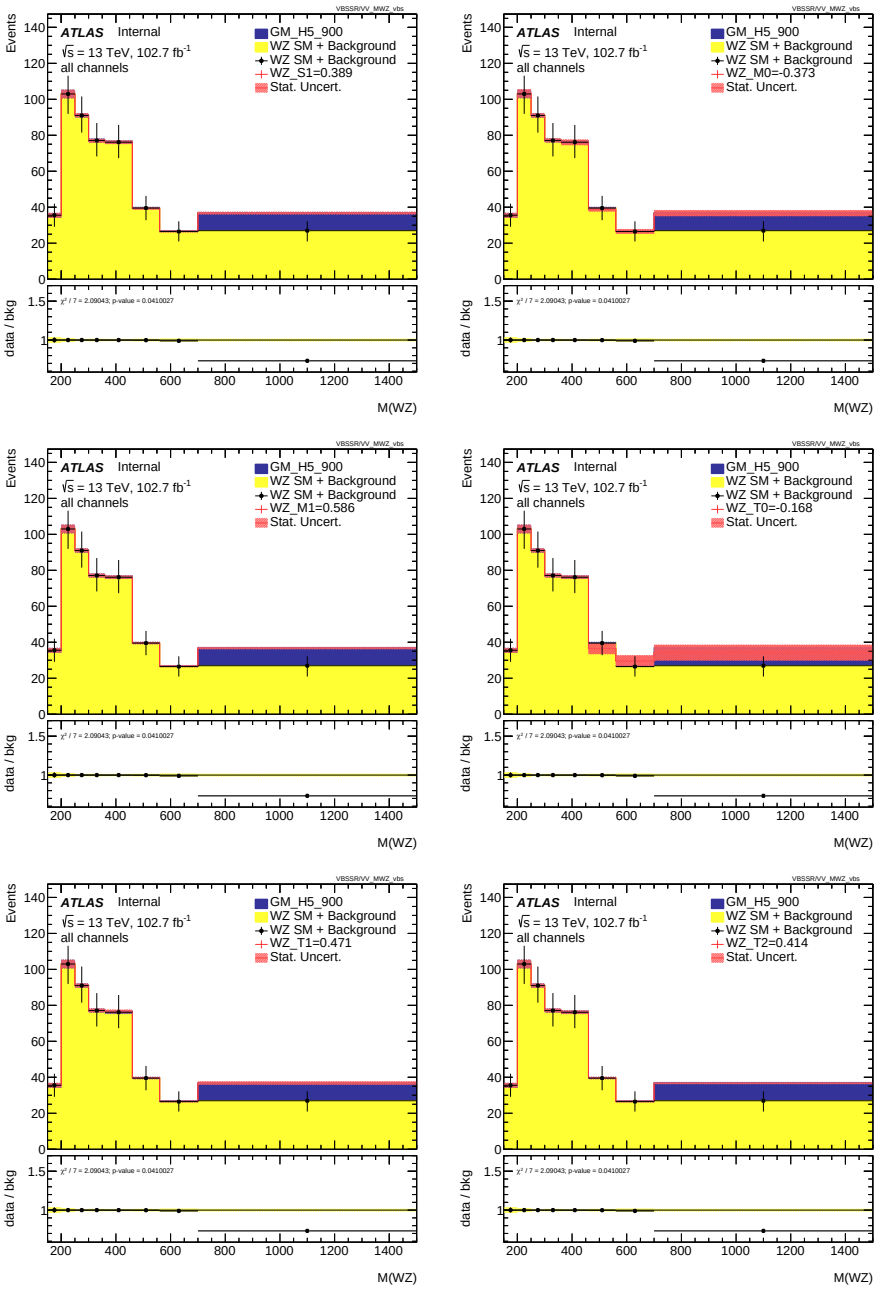

Figure 0.6: Invariant mass for parameters S1, M0, M1, T0, T1, T2 with best fit value for 900 GeV resonance

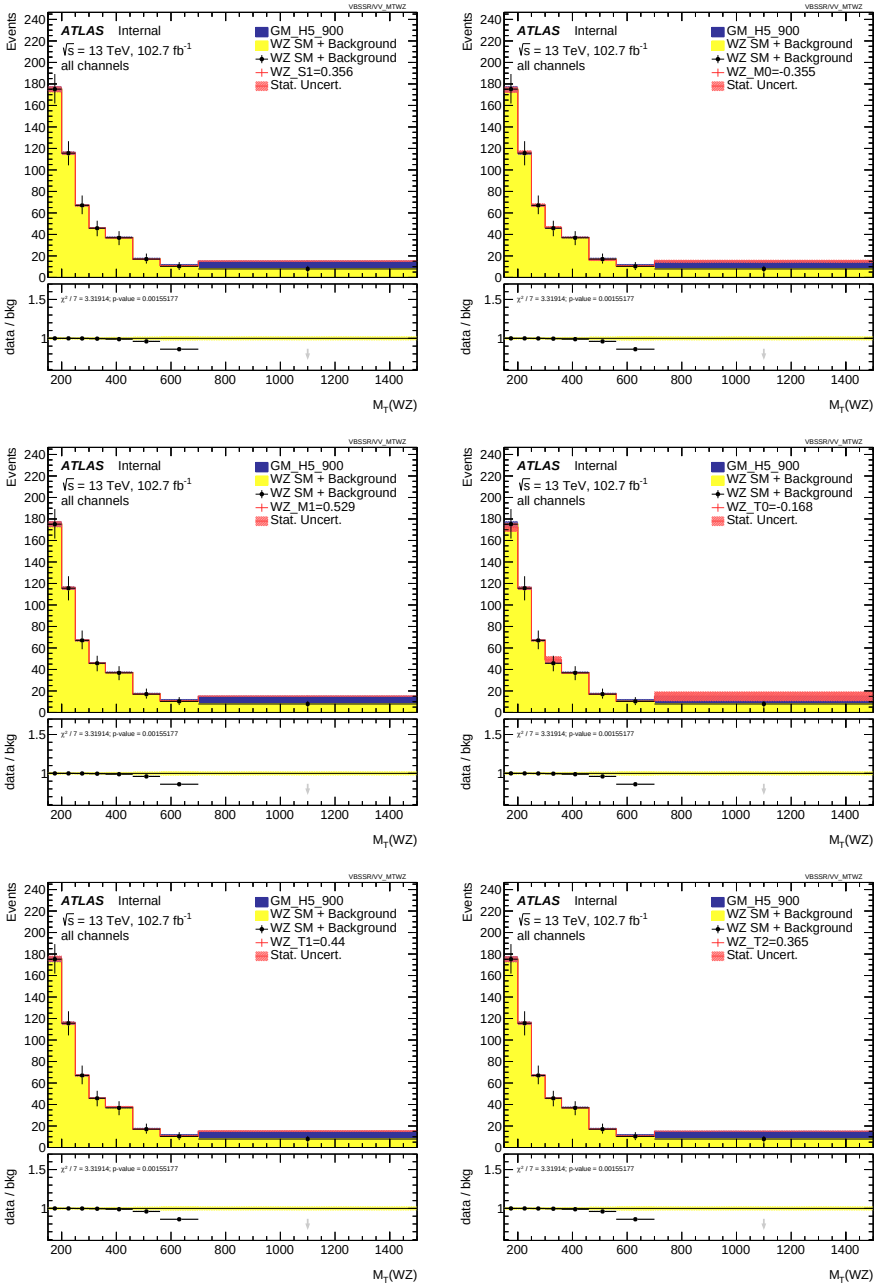

Figure 0.7: transverse mass for parameters S1, M0, M1, T0, T1, T2 with best fit value for 900 GeV resonance

0.3.2 1000 GeV resonance

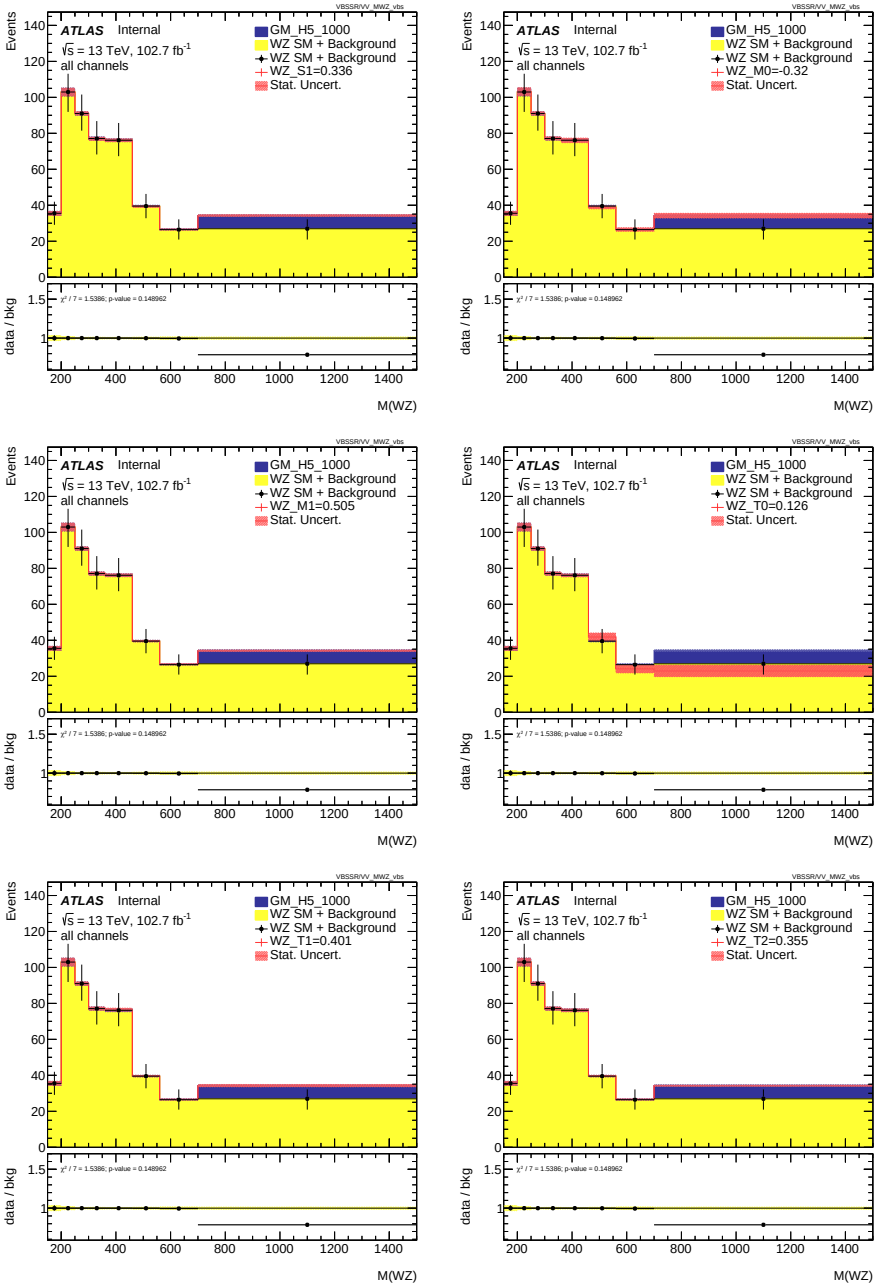

Figure 0.8: Invariant mass for parameters S1, M0, M1, T0, T1, T2 with best fit value for 1000 GeV resonance

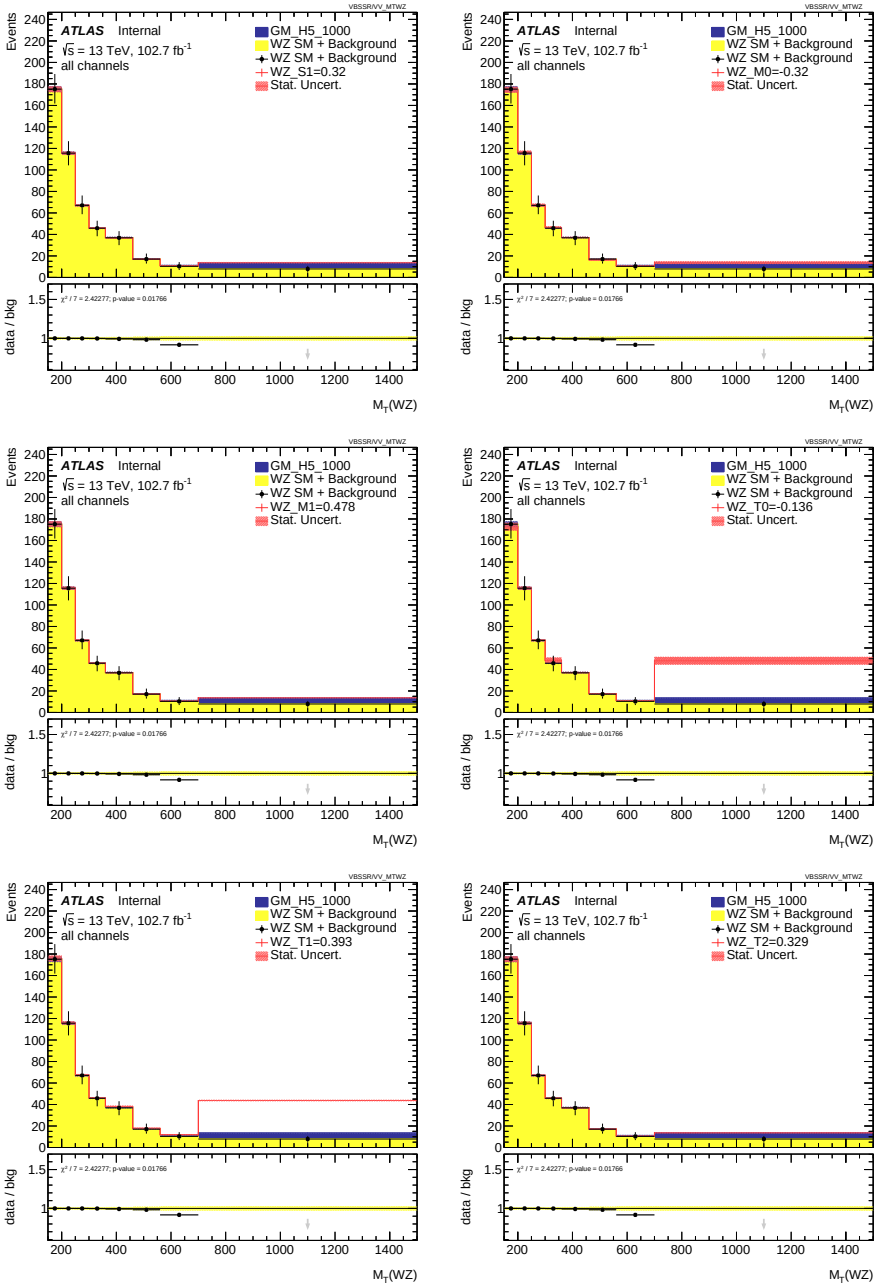

Figure 0.9: transverse mass for parameters S1, M0, M1, T0, T1, T2 with best fit value for 1000 GeV resonance