1 Effect of uncertainties on 2UED/RPP limits

In this section all plots done with mclimit for interp/extrap and normal for stat. constraint.

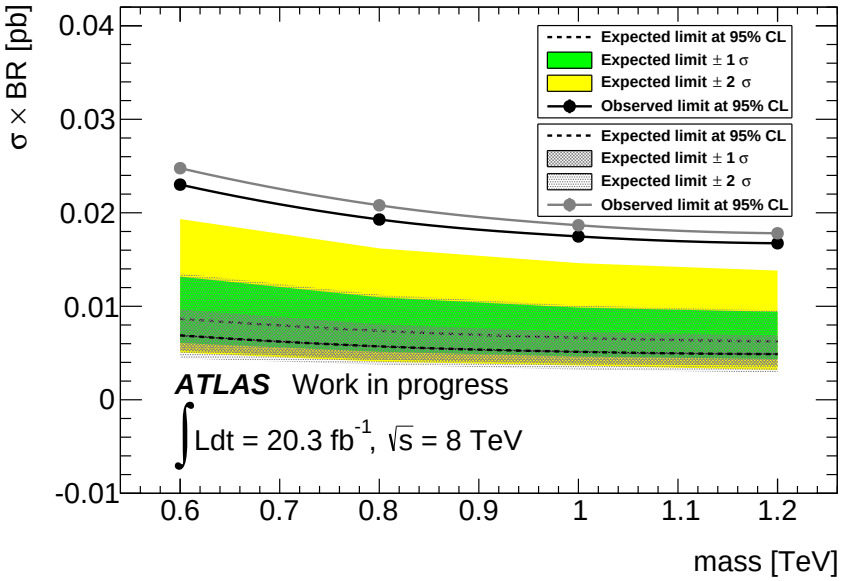

Figure 1: Limit vs mass for 2UED/RPP signal. Usual colors: all uncertainties (final limits), Grey: no uncertainties (neither syst. nor stat.).

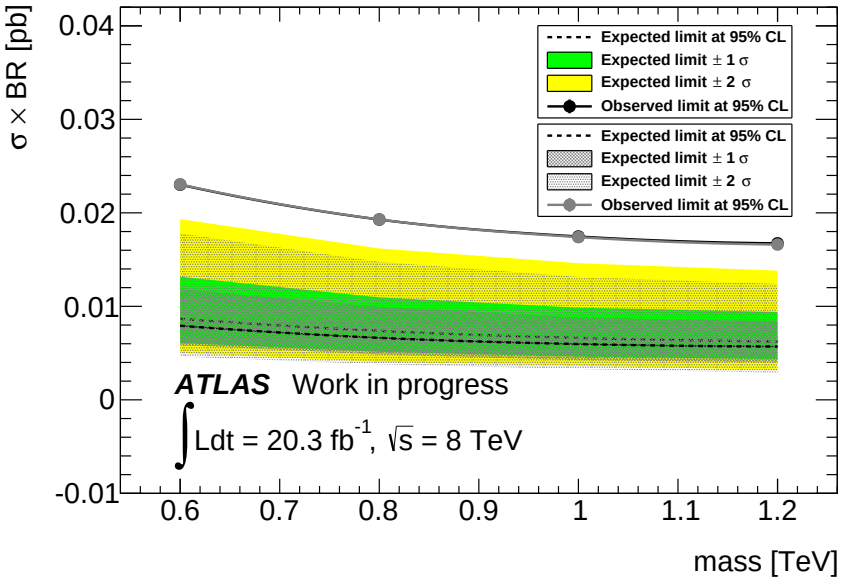

Figure 2: Limit vs mass for 2UED/RPP signal. Usual colors: all uncertainties (final limits), Grey: only fakes uncertainties (syst. and stat.).

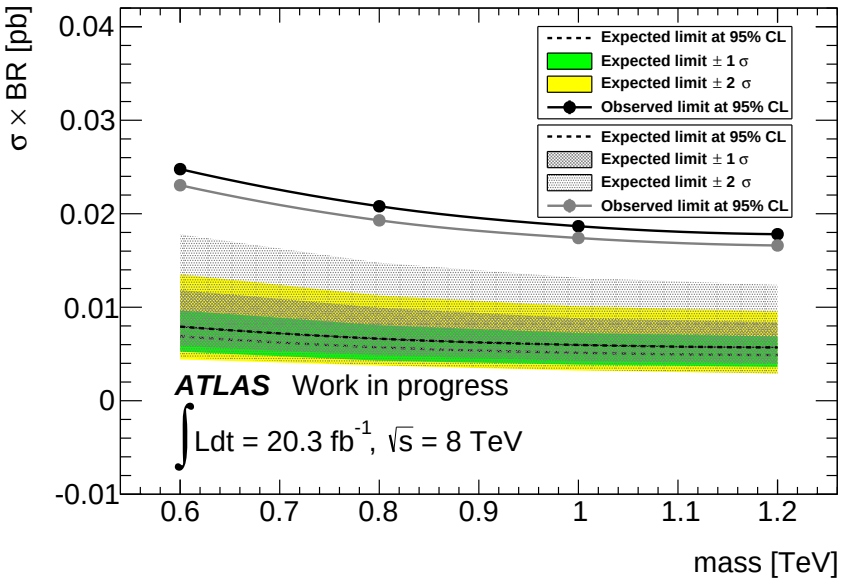

Figure 3: Limit vs mass for 2UED/RPP signal. Usual colors: no uncertainties (neither syst. nor stat.), Grey: only fakes uncertainties (syst. and stat.).

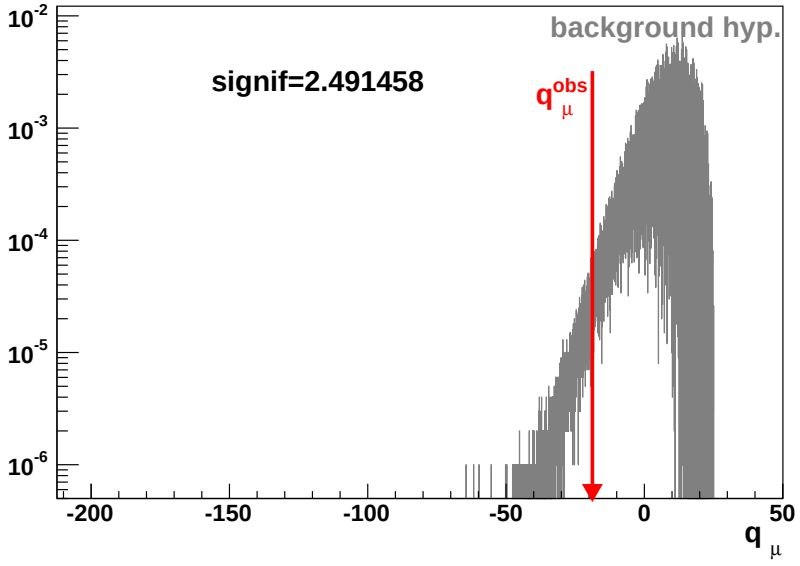

Figure 4: Observation significance for 2UED/RPP signal with all uncertainties (final limits).

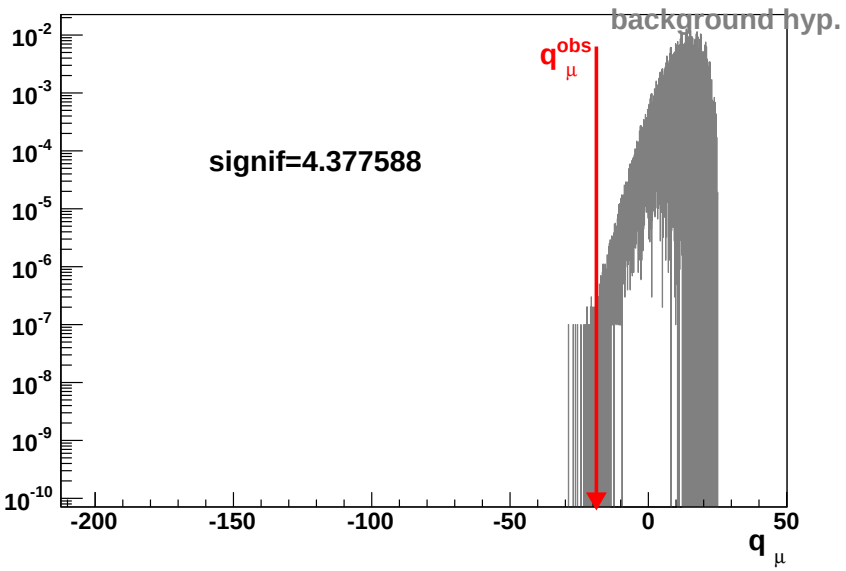

Figure 5: Observation significance for 2UED/RPP signal with no uncertainties (neither syst. nor stat.).

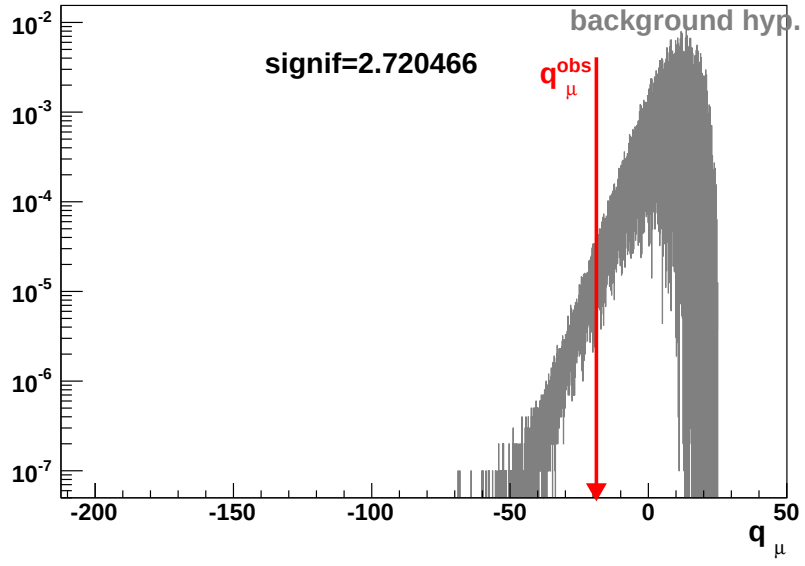

Figure 6: Observation significance for 2UED/RPP signal with only fakes uncertainties (syst. and stat.).

2 Effect of interpolation/extrapolation and stat. constraint

In this section all uncertainties (syst. and stat.) are included.

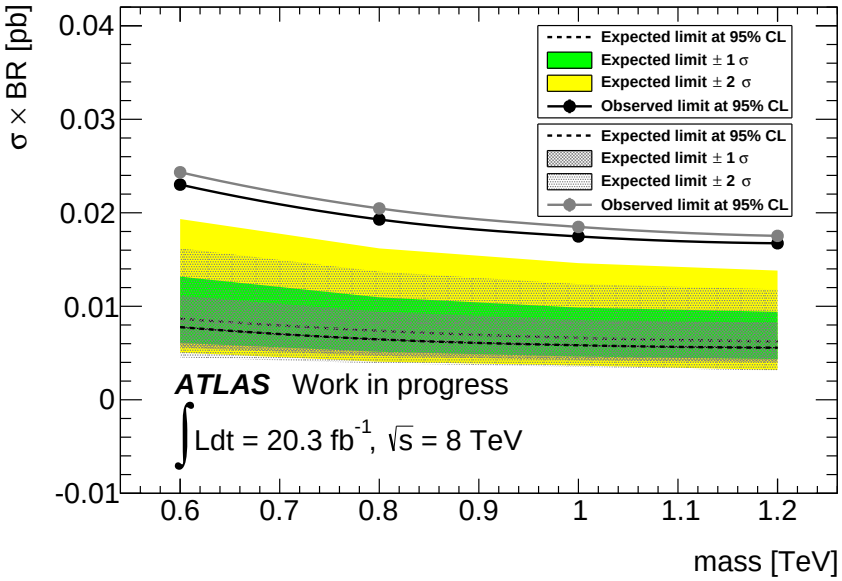

Figure 7: Limit vs mass for 2UED/RPP signal. Usual colors: mclimit (for interp/extrap) and normal (for stat. constraint), Grey: mclimit (for interp/extrap) and log-normal (for stat. constraint).

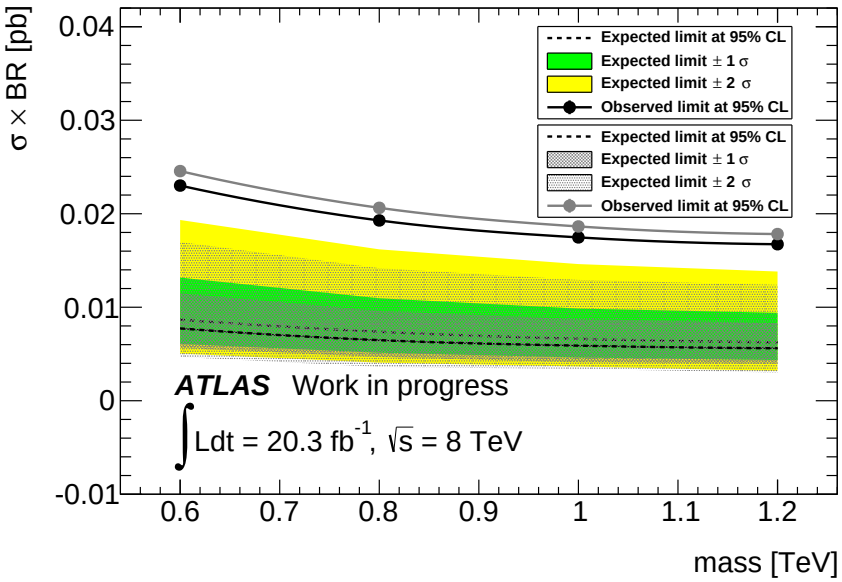

Figure 8: Limit vs mass for 2UED/RPP signal. Usual colors: mclimit (for interp/extrap) and normal (for stat. constraint), Grey: poly+expo (for interp/extrap) and log-normal (for stat. constraint).

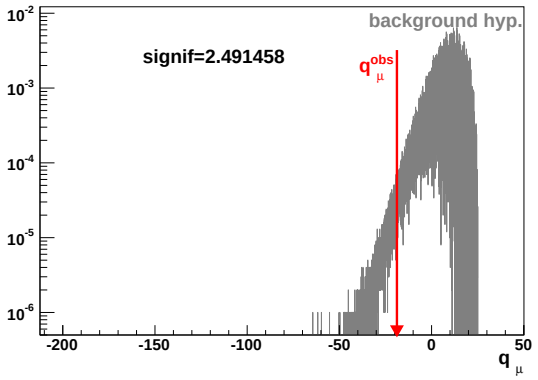

Figure 9: Observation significance for 2UED/RPP signal with mclimit (for interp/extrap) and normal (for stat. constraint).

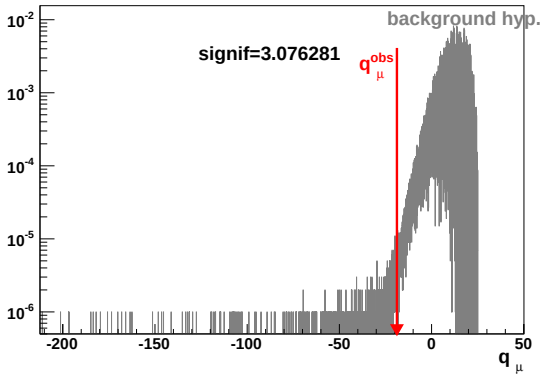

Figure 10: Observation significance for 2UED/RPP signal with mclimit (for interp/extrap) and log-normal (for stat. constraint)

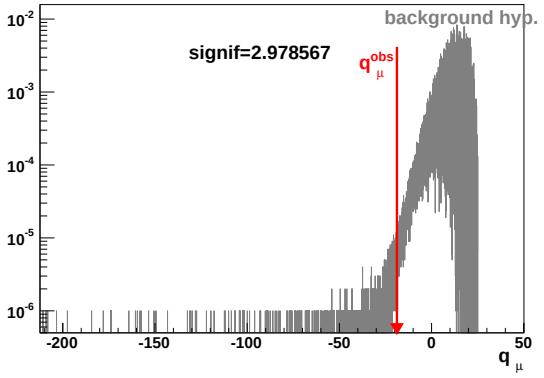

Figure 11: Observation significance for 2UED/RPP signal with poly+expo (for interp/extrap) and log-normal (for stat. constraint)