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Erratum to: Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb^{-1} of $s = 13 \text{ TeV}$ pp collision data with the ATLAS detector

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Erratum: Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ pp collision data with the ATLAS detector



The ATLAS collaboration

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One correction is made to the figure 4e of the paper. The reported cross-sections, both the experimental upper limits and the theoretical prediction, corresponded only to a fiducial region of the phase space with at least two prompt same-sign electrons or muons before detector simulation ($p_T > 10 \text{ GeV}$, $|\eta| < 2.8$). The updated figure 4e instead presents the results without this requirement, i.e. in the full phase space as it should, given the y -axis label of the plot. The reported sensitivity of the analysis, i.e. the ability to exclude top squark masses below 700 GeV in this scenario, is however unchanged since the same requirements were applied to the analysis and to the theory predictions.

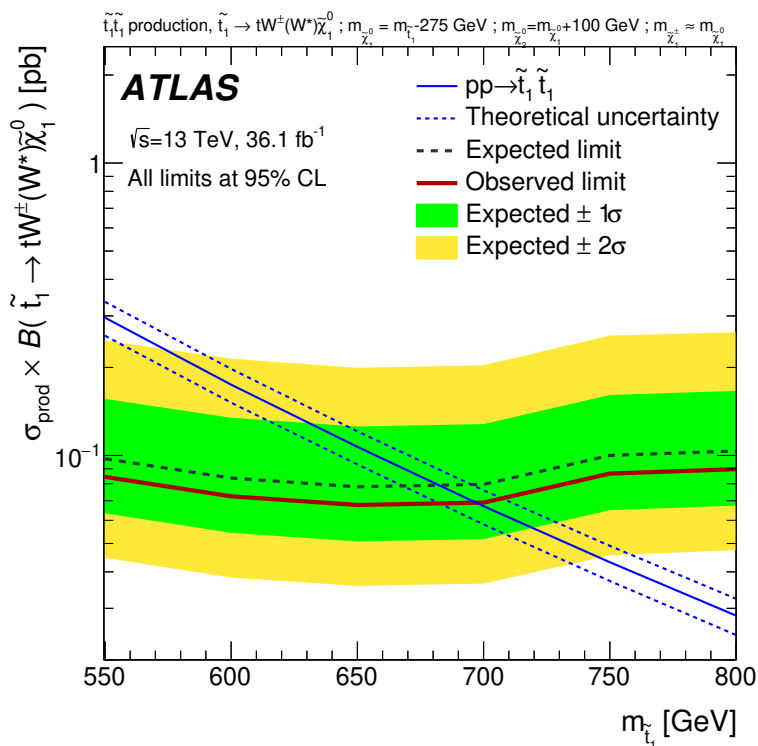


Figure 4e. Observed and expected exclusion limits on the \tilde{t}_1 and $\tilde{\chi}_1^0$ masses in the context of an RPC SUSY scenario with simplified mass spectrum. The signal region used to obtain the limits is Rpc3LSS1b. All limits are computed at 95% CL. The dotted lines around the observed limit illustrate the change in the observed limit as the nominal signal cross-section is scaled up and down by the theoretical uncertainty. The contours of the band around the expected limit are the $\pm 1\sigma$ and $\pm 2\sigma$ results, including all uncertainties except the theoretical uncertainties in the signal cross-section.

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