

*Analysis of the analytical structure of amplitudes - an area of potential discoveries and pitfalls*

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Analysis of the analytical structure of amplitudes is a necessary procedure as part of the analysis of the obtained experimental data. However, observables hidden in amplitudes, such as resonance parameters, require skillful extraction from often confusing complex functions. The frequent close proximity and overlap of observables leads to ambiguity in the obtained results. Thus, imposing additional and unquestionable theoretical constraints on such complex amplitudes allows us to isolate only true observables. In the presentation I will show what these limitations are and what results they bring in the analysis of the spectra of light mesons.