

Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



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Finding resonances, unitarity, peculiarities and traps

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Finding resonances in amplitudes parametrized by us is an old well-known but controversial issue. Despite the apparent simplicity, it can cause many serious problems and surprises. By performing an analysis of the amplitudes fitted to the data, it's easy to find peculiarities and come across traps. They are especially important when planning a precise definition of resonance parameters. The purpose of the presentation is to show what may be the effects of neglecting such problems and how to avoid them. The key here is unitarity and crossing symmetry.

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