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Forward Dispersion Relations for pion-kaon scattering

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A precise determination of pion-kaon scattering amplitudes is very relevant for our understanding of both light meson physics as well
as input for analysis of other hadronic decays. In this talk we first present our analysis of the fulfillment of Forward Dispersion Relations by the existing data up to 1.7 GeV ., which is not very satisfactoy, particularly at high energies. Second by using these relations as constraints on the fits, we provide a set of simple data parameterizations that satisfy Forward Dispersion Relations while simultaneously describing the data up to 1.6 GeV
Finally, we present preliminary results on the controversial kappa or K0*(800) resonance as well as on scattering lengths and several combinations of threshold parameters.

Author: RODAS BILBAO, Arkaitz (Universidad Complutense de Madrid)

Co-author: PELAEZ, Jose R.

Presenter: RODAS BILBAO, Arkaitz (Universidad Complutense de Madrid)

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