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Progress on relativistic three-particle quantization condition

Thursday, July 26, 2018 11:00 AM (20 minutes)

I present an update on work extending and applying the relativistic three-particle quantization conditions of Hansen/Sharpe, and Brice\~no/Hansen/Sharpe. This is based on work done in collaboration with Tyler Blanton, Ra\'ul Brice\~no, Max Hansen and Fernando Romero-Lopez. Topics include the numerical implementation of the quantization condition in the isotropic approximation, the generalization of the formalism to include K-matrix poles, and extending the description of the three-particle divergence-free K matrix beyond the isotropic approximation.

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