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Quark-antiQuark potential from Wilson Line Correlators at finite temperature: A comparison between different methods

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We present results for the analysis of the energy and spectral width of the quark-antiQuark potential obtained from wilson line correlators at finite temperature using 2+1 flavor HISQ configurations ms/ml=20. We extract the energy and spectral width using 4 different methods: Zero temperature subtraction, Pade fit, Bayesian Reconstruction and HTL motivated fit. We compare the results and discuss the pros and cons of each method.

Authors: ROTHKOPF, Alexander (University of Stavanger); PARKAR, Gaurang (University Of Stavanger); LARSEN, Rasmus (University of Stavanger); BALA, Dibyendu (Bielefeld University); WEBER, Johannes Heinrich (Humboldt University of Berlin); KACZMAREK, Olaf; PETRECZKY, Peter (BNL); MUKHERJEE, Swagato (Brookhaven National Laboratory)

Presenter: LARSEN, Rasmus (University of Stavanger)

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