

Chemical Potential Dependence of the Dressed-Quark Propagator from an Effective Quark-Quark Interaction

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Abstract: We exhibit a method for obtaining the low chemical potential dependence of the dressed quark propagator from an effective quark-quark interaction model. Within this approach we explore the chemical potential dependence of the dressed-quark propagator, which provides a means of determining the behavior of the chiral and deconfinement order parameters. A comparison with the results of previous researches is given.

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