

Charmed mesons at finite temperature and chemical potential

We compute the masses of the pseudoscalar mesons π^+ , K^0 and D^+ at finite temperature and baryon chemical potential. The computations are based on a symmetry-preserving Dyson-Schwinger equation treatment of a vector-vector four quark contact interaction. The results found for the temperature dependence of the meson masses are in qualitative agreement with lattice QCD data and QCD sum rules calculations. The chemical potential dependence of the masses provide a novel prediction of the present computation.

Summary

Primary author: SERNA, Fernando (IFT-UNEPS)

Presenter: SERNA, Fernando (IFT-UNEPS)

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