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heavy quark mass in QGP

We investigate heavy quark mass near the phase transition by combining the statistical model on hadronic side and the quasi-particle model on partonic side. We find heavy quark mass much larger than the bare mass in QCD Lagrangian. This massive heavy quark is supported by the thermal production of heavy quark in heavy-ion collision experiments.

Author: SONG, Taesoo

Co-authors: BRATKOVSKAYA, Elena (GSI, Darmstadt); GRISHMANOVSKII, Ilia (ITP, Frankfurt); SOLOVEVA, Olga (Goethe University Frankfurt); ZHOU, qi

Presenter: SONG, Taesoo