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(Cancelled) Correlation lengths in the QCD plasma

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We present improved lattice computation of correlation
lengths in flavour non-singlet meson and baryon channels in finite
temperature QCD. We find that the correlation lengths rapidly approach
ideal gas values above the QCD crossover temperature, Tc. The approach
is from above for all the meson and nucleon channels. We also find that parity partners become degenerate a little above Tc, with the onset of
degeneracy depending weakly on the quark mass. We also discuss some
tests of models of medium modification of hadrons below Tc.

Keywords

screening mass, approach to ideal gas limit, chiral symmetry restoration, medium modification of hadrons

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