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Recent Finite Temperature Lattice Results

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Hard scattering processes provide in-medium probes of the quark-gluon plasma (QGP) created in heavy-ion collision experiments. Their sensitivity to the properties of the medium is an experimental and theoretical tool for studying the evolution of QGP. Lattice QCD is a non-perturbative field-theoretical framework that allows one to study (equilibrium) aspects of the hot medium from first principles. The physics of hard probes that can be addressed on the lattice includes heavy quarkonia, screening of heavy quarks, spectral functions and heavy quark diffusion. I review recent progress in Lattice QCD related to these phenomena and to some extent the advances in our general understanding of the thermodynamics of QCD.