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Spectral Properties of the Quark-Gluon Plasma from Lattice QCD

Tuesday 4 November 2025 11:30 (30 minutes)

Dynamical probes such as thermal photons and quarkonia provide valuable insight into the properties of the quark-gluon plasma (QGP) created in heavy-ion collisions. The relevant information is encoded in their spectral functions. Extracting these spectral functions from lattice correlators is a challenging task due to the ill-posed nature of the inverse problem, which requires additional physics input. In this talk, I will present recent lattice results on the spectral functions of some dynamical probes related to the thermal photon rate, quarkonia, and heavy-quark diffusion coefficients.

Parallel Session (for talks only)

Plenary talk

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