

## 840. Wilhelm and Else Heraeus Seminar on Real-Time and Non-Equilibrium Quantum Field Theory

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### Spectral properties of QCD

In this talk the spectral properties of QCD are discussed. This includes the existence or non-existence of the Källén-Lehmann (KL) representation for the fundamental fields (gluons, ghosts and quarks) as well as the respective consequences for observables such as scattering amplitudes or transport coefficients. Specifically, the KL representation of the quark and its dependence on the interaction strength in QCD is discussed.

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