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QCD kinetic theory and its applications

Friday, 2 September 2016 10:00 (30 minutes)

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Summary

The calculation of many real time quantities in weakly coupled thermal QCD can be reduced to computations in an effective kinetic theory including a resummation of all the relevant diagrams needed to reproduce consistent leading order results. I will discuss the kinetic theory, its recent applications to far-from-equilibrium dynamics and its generalisation to next-to-leading order.

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