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QCD Boltzmann Equation: Beyond the Soft-Scattering Approximation

Wednesday, 27 June 2018 11:40 (20 minutes)

Using the case study of a spatially homogeneous many-gluon system, distributed isotropically in momentum space, we will investigate more thoroughly than in the existing literature the evolution of a hot (quark-) gluon plasma from an initial state towards equilibrium. To that end we will investigate the QCD Boltzmann Equation beyond the popular soft-scattering approximation, thereby shedding light on the applicability of previous results in the field.

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