Heavy quark momentum diffusion coefficient during the hydrodynamization in heavy-ion collisions

Monday 22 November 2021 17:00 (15 minutes)

We compute the heavy quark momentum diffusion coefficient during the initial nonequilibrium evolution using QCD effective kinetic theory after an ultrarelativistic heavy-ion collision. We observe that the diffusion coefficient approaches its thermal value during the hydrodynamization process. We also give an introduction to thermalization/hydrodynamization in the weak coupling framework.

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