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Heavy quark momentum diffusion coefficient during hydrodynamization

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We extract the heavy quark momentum diffusion coefficient κ during the bottom-up thermalization scenario using effective kinetic theory simulations. We compare our nonequilibrium results to the gluonic thermal value for the same energy density, screening mass and infrared temperature. When matching the equilibrium and nonequilibrium systems for the same infrared temperature, we find an agreement at a 10% level when the system is still far from equilibrium with considerable pressure anisotropy of the order of $P_L/P_T = 0.1$, while the values of κ agree at late times.

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