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Far-from-equilibrium attractors in a 3+1D transport approach at fixed η/s

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Within the framework of a 3+1D Boltzmann transport approach at fixed η/s with the full collision integral, we investigate the existence of far-from equilibrium attractors in momentum moments of the one particle distribution function. We first compare our results for a conformal and non conformal gas for different values of η/s and m , in order to investigate the role of the equation of state in approaching the universal attractor. We then extend our study by employing a quasi-particle model of quarks and gluons with thermal masses tuned to reproduce lattice QCD thermodynamics. We finally examine the possible existence of attractors in the anisotropic flow coefficients, under the influence of initial momentum anisotropy.

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