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## Electromagnetic signals from QGP in presence of hydrodynamical attractors

Friday 16 December 2022 14:00 (1 hour)

We study the analytical attractor solutions of third-order hydrodynamic theory under one-dimensional boost-invariant expansion and employ these to analyze the spectra of thermal particles from quark-gluon plasma. We use these analytical solutions to constrain the allowed initial states by demanding positivity and reality of energy density throughout the evolution. Moreover, we evaluate the thermal particle yields within the framework of hydrodynamic attractors. We observe that the evolution corresponding to attractor solution results in the maximum production of thermal particles.

### Session

Heavy Ions and QCD

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