Non-equilibrium correction to the spin-polarization vector in heavy-ion collisions

We present a new method to compute the full non-equilibrium corrections to the Wigner function of a Dirac field from hadronic interactions after decoupling, including hadron-gas interactions and dissipative contributions. We compute the resulting corrections to both the spectrum and the spin-polarization vector at any order in linear response theory.

Authors: ROSELLI, Daniele (Istituto Nazionale di Fisica Nucleare);   BECATTINI, Francesco (Istituto Nazionale di Fisica Nucleare);   SHENG, Xin-Li

Presenter: ROSELLI, Daniele (Istituto Nazionale di Fisica Nucleare)

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