

Spin polarization in strongly coupled QGP

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The shear induced polarization is known to be a significant part of local polarization of Lambda hyperon in heavy ion collisions. Unlike vorticity induced polarization, the shear induced polarization receives significant corrections from collisions and structure model. These effects are two aspects of the same interaction. We use a holographic model to treat them on equal footing. We find novel contributions to polarization entirely of steady state origins.

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