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Chiral effects in rotating and accelerated medium

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We consider a few theoretical issues related to the physics of heavy-ion collisions.

The emphasis is on predictions for microscopic variables, especially spin variables, and their dependence on the overall rotation and/or acceleration of the quark-gluon medium. In case of the rotation, as a manifestation of the low viscosity the central role is played by vortices. In case of the acceleration, we concentrate on the instability of the medium due to the Unruh effect.

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