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„Tuning the initial deformation of a QGP droplet with polarized deuterons”

Abstract

We propose to study collisions of polarized deuterons with heavy nuclei. Hydrodynamic expansion of so created deformed initial source yields azimuthal asymmetry in the hadron emission with respect to the polarization axis. This provides an unequivocal way to probe experimentally the mechanism responsible for the observed collectivity in small systems.

Zapraszamy wszystkich zainteresowanych!