

Spin alignment of vector mesons in heavy-ion collisions

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The global spin alignment of vector mesons has been observed by the STAR collaboration at the Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Laboratory (BNL). It provides a unique opportunity to probe the correlation between the polarized quark and antiquark in the strongly coupled quark-gluon plasma (sQGP) produced in relativistic heavy ion collisions, opening a new window to explore the properties of sQGP. In this talk, I will present a brief overview on theoretical and experimental advances in the study of vector meson's spin alignments in heavy-ion collisions.

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