

Spin-alignment of J/ψ meson: Dissociation mechanism of magnetic interaction

Recently, ALICE first measured the spin polarization of the J/ψ with respect to the event plane. To explain the experiment, we considered a possible mechanism for the spin alignment of J/ψ —gluon dissociation, in which flow induce spin alignment. This spin dependent process contains chromo-magnetic coupling between J/ψ and gluon, and the dissociation rate may contribute to the spin alignment.

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