

# The 9th International Symposium on Heavy Flavor Production in Hadron and Nuclear Collisions



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## Spin Polarization in Strongly Coupled Fluid

Recently, ALICE first measured the spin alignment of the  $J/\psi$  with respect to the event plane. To explain the experiment, we considered two possible spin-dependent processes of  $J/\psi$  -- LO (gluon dissociation) and NLO (inelastic scattering) processes in Bjorken flow, which contain chromomagnetic coupling between  $J/\psi$  and gluon. The coupling, together with flow, induces spin alignment, and the dissociation and regeneration will contribute to the spin alignment.

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