

# Tricritical point and non-equilibrium phase transition in gauge gravity duality

*Thursday, 5 December 2019 15:00 (3 hours)*

We study the phase structure associated with the chiral symmetry in the D3-D7 model. We find the non-equilibrium phase transition for massless quarks in the presence of a constant current and a magnetic field. This non-equilibrium phase transition is related to the chiral symmetry breaking. We also discover the tricritical point in the phase diagram.

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**Session Classification:** Poster