



Joint Institute for Nuclear Research
BOGOLIUBOV LABORATORY OF THEORETICAL PHYSICS

Joint seminar
"THEORY OF HADRONIC MATTER UNDER EXTREME CONDITIONS"
and
"PARTICLE PHYSICS"

Thursday, June 4, 2015

at 16.00

in Blokhintsev Lecture Hall (4th floor)

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ITEP, Moscow (Russia) and CTP, MIT, Cambridge, MA (USA)

Chiral drag force

We showed that there is an anomalous contribution into the drag force acting on a heavy quark running through the holographic thermal plasma. This contribution results in a correlation between the chiral magnetic effect current and the displacement of heavy quarks in a given event. It is also possible to use the result for further discussion of non-dissipative nature of chiral effects.