ΚΟΙΝΟ ΣΕΜΙΝΑΡΙΟ ΚΕΝΤΡΟΥ ΚΒΑΝΤΙΚΗΣ ΠΟΛΥΠΛΟΚΟΤΗΤΑΣ ΚΑΙ ΝΑΝΟΤΕΧΝΟΛΟΓΙΑΣ & ΚΕΝΤΡΟΥ ΘΕΩΡΗΤΙΚΗΣ ΦΥΣΙΚΗΣ ΚΡΗΤΗΣ /

JOINT CCQCN -CCTP SEMINAR

Thursday, 19 March 2015

14:00-15:00

2nd Floor Seminar Room

Anomaly induced negative magnetoresistivity in Anti-de Sitter space and Dirac metals

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Abstract

In recent years it has been realized that chiral anomalies play a distihished role in transport theory. One particular phenomenon is the dramatic increase in electric conductivity induced by the axial anamaly via the chiral magnetic effect (CME). I will review the theory of anomalous transport and negative magnetoresistivity and present its treatment in hydrodynamics and holography. I will also review recent expermiental results with Dirac metals.