



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

JOINT CCQN -CTP SEMINAR

Tuesday, 11 November 2014

14:00-15:00

2nd Floor Seminar Room

FQH/CFT and its deformation

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Abstract

Fractional quantum Hall (FQH) system is the most fundamental example of topological states of matter. The wave function of the FQH system is given as a conformal block of a certain CFT, and the anyonic statistics of its quasi-particle/hole can be described by the fusion rule in the corresponding CFT. In this talk, after reviewing some basic aspects of the FQH/CFT relation, we would like to present the deformation and its application to a system involving spin degrees of freedom. This talk is partly based on [arXiv:1201.1903].

