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

JOINT CCQCN -CCTP SEMINAR

Wednesday, 11 February 2015

11:00-13:00

2nd Floor Seminar Room

Transport and Integrability

Prof. X. Zotos

Department of Physics, University of Crete
&
Crete Center for Quantum Complexity & Nanotechnology

Abstract

Response theory and Drude weight, integrable systems and conservation laws, the “heavy" particle paradigm, a classical problem - the Toda chain, the puzzle of the 1D spin 1/2 Heisenberg model, the Hubbard, t-J and other integrable lattice models, integrable effective theories, impurities and perturbations in integrable models, quasi-local conservation laws, results from novel numerical simulation methods, integrability and experiments in quasi-1D magnets.