

Seminar: "Geometry&Physics@DFT"

Location: seminar room DFT (IFIN-HH),
(<http://events.theory.nipne.ro/gap/index.php/seminar>)
(<http://www.nipne.ro/indico/categoryDisplay.py?categId=5>)

Date: Friday, January 23, 2015, 11:00 a.m.

Title: **The Jacobi group in Physics and Mathematics**

Speaker: **Dr. Stefan Berceanu**

Abstract: "I make a short review of recent papers where the Jacobi group appears in the context of coherent and squeezed states, Gaussian distributions, coadjoint orbits, Lie methods in solving differential equations. I discuss aspects of Quantum Mechanics on Siegel-Jacobi manifolds. Applying the Wei-Norman method to the motion on the Siegel-Jacobi disk determined by a hermitian linear Hamiltonian in the generators of the Jacobi group, Berezin's equations of motion are reobtained, when convenient coordinates are chosen. The physical and mathematical significance of these coordinates is emphasized."