



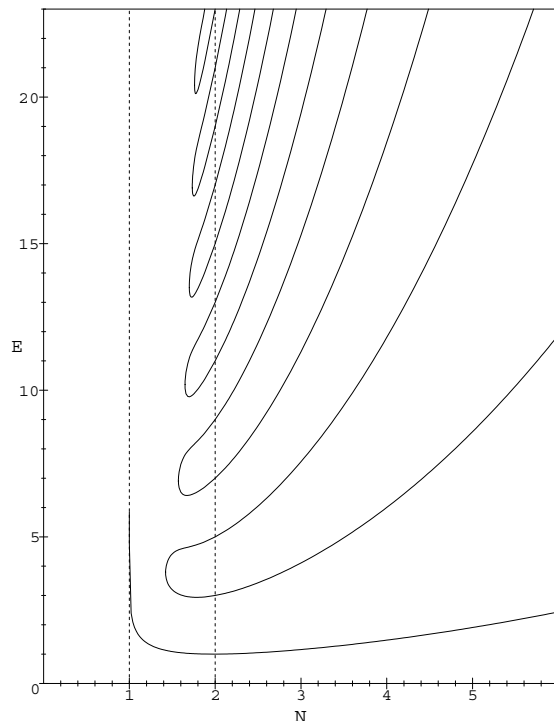
Avviso di Seminario

Lunedì 21 Giugno 2004
h. 15,00 – Aula C

Dr. Roberto TATEO
Università di TORINO

PT-SYMMETRIC QUANTUM MECHANICS AND INTEGRABLE MODELS

A conjecture of Bessis and Zinn-Justin, generalised by Bender and Boettcher, states that the PT-symmetric quantum-mechanical theory associated with the potential $V(x) = -(ix)^N$ possesses real spectrum for $N \geq 2$. In this talk I will discuss aspects of PT-symmetric quantum mechanics, review the connection with integrable quantum field theory and give a simple proof of the BZ-JBB conjecture.



Energy levels for Schrödinger equation with complex potential $V(x) = -(ix)^N$ vs. N