Il Prof. Pavel Winternitz
(Centre de recherches mathématiques, Université de Montréal) terrà un seminario dal titolo

"General N-th order integrals of motion in classical and quantum mechanics"

VENERDI' 15 MAGGIO 2015 alle 14:30 nell'aula D, I liv. del Dipartimento di Matematica e Applicazioni.

Abstract:
The general form of an integral of motion that is a polynomial of order N in the momenta is presented for a Hamiltonian system in two- dimensional Euclidean space. The classical and the quantum cases are treated separately, emphasizing both the similarities and the differences between the two. The main application will be to study superintegrable systems that allow one N-th order and one second order integral of motion. The connection with Nth order ODEs having the Painlevé property is discussed.
This is joint work with Sarah Post (University of Hawaii).

Il proponente
Gaetano Fiore