

The Weizmann Institute of Science
Faculty of Mathematics and Computer Science

The Chaim Leib Pekeris Memorial Lecture

Wolfson Lecture Hall
on Tuesday, March 8, 2011
at 16:00

Professor Cedric Villani
University of Lyon and Institute Henri Poincare

will speak on

Entropy and H Theorem: The Mathematical Legacy of Ludwig Boltzmann

Abstract:

This talk is devoted to the presentation of some of the most important concepts in statistical mechanics, including Boltzmann's statistical entropy, the notion of macroscopic irreversibility and molecular chaos, and the Boltzmann equation. These concepts were at the basis of a little conceptual revolution at the end of the nineteenth century.