

AVVISO DI SEMINARIO

- Data Giovedì 6 aprile 2006
Ore 16.30 - Aula: G23 Nuovo settore Didattico, via Golgi 19
- Oratore Dr. Mathias Nest
Theoretische Chemie - Universitaet Potsdam
- Titolo "Quantum Dynamics of atoms and electrons with multi-configurational wave functions"
- Coordinatore Prof. Gian Franco Tantardini
- Abstract In order to describe the time evolution of quantum systems like molecules or many-electron systems, it is necessary to solve the time-dependent Schrödinger equation in a very efficient way. One very powerful tool for this is an expansion of the wave function into a sum of Hartree or Hartree-Fock products. In this talk, several applications will be presented, e.g. inelastic atom-surface scattering, inverse photoemission spectroscopy, and quantum carpets.