

ELAF 2010 Activity Program

Thursday July 29



9:00-10:00 A.M. **The Dirac (Moshinsky) oscillator: Theory and Applications**

Emerson Sadurní

10:00-11:00 A.M. **Dynamical invariants in systems with and without broken time-reversal symmetry**

Dieter Schuch

11:00-11:30 A.M. **Coffee**

11:30-12:30 A.M. **Application of time dependent quantum mechanics to atomic and mesoscopic systems**

Tobias Kramer

12:30-13:30 P.M. **Dynamical symmetries in the probability representation of quantum mechanics**

Vladimir Man'ko

13:30-15:00 P.M. **Lunch**

15:00-16:00 P.M. **Quantum transients in tunneling phenomena**

Gastón García-Calderón

16:00-17:00 P.M. **Lifting q -difference operators within the Askey scheme of basic hypergeometric polynomials**

Natig Atakishiyev

17:00-17:30 P.M. **Coffee**

17:30-18:30 P.M. **Classical analytic model for super-radiance by restoring Hamiltonian symmetry**

Eduardo Nahmad